Open Source Used In Virtualized Voice Browser 12.6(1)

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1.9 jackson-mapper-asl 1.9.13

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1.10 mina-filter-compression 1.1.7

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1.13 net-snmp 5.7.2

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   jloup@gzip.org          madler@alumni.caltech.edu

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2000-Jul-04

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package org.apache.hadoop.hdfs.protocol.datatransfer;

import org.apache.hadoop.HadoopIllegalArgumentException;
import org.apache.hadoop.classification.InterfaceAudience;
import org.apache.hadoop.classification.InterfaceStability;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.hdfs.DFSConfigKeys;
import org.apache.hadoop.hdfs.protocol.DatanodeInfo;

/**
 * The setting of replace-datanode-on-failure feature.
 */
@InterfaceAudience.Private
@InterfaceStability.Evolving
public enum ReplaceDatanodeOnFailure {
    */
    */ The feature is disabled in the entire site. */
DISABLE,
/** Never add a new datanode. */
NEVER,
/**
 * DEFAULT policy:
 * Let r be the replication number.
 * Let n be the number of existing datanodes.
 * Add a new datanode only if r >= 3 and either
 * (1) floor(r/2) >= n; or
 * (2) r > n and the block is hflushed/appended.
 */
DEFAULT,
/** Always add a new datanode when an existing datanode is removed. */
ALWAYS;

/** Check if the feature is enabled. */
public void checkEnabled() {
    if (this == DISABLE) {
        throw new UnsupportedOperationException(
            "This feature is disabled. Please refer to "+
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_ENABLE_KEY
            + " configuration property.");
    }
}

/** Is the policy satisfied? */
public boolean satisfy(final short replication, final DatanodeInfo[] existings,
                        final boolean isAppend, final boolean isHflushed) {
    final int n = existings == null? 0: existings.length;
    if (n == 0 || n >= replication) {
        //don't need to add datanode for any policy.
        return false;
    } else if (this == DISABLE || this == NEVER) {
        return false;
    } else if (this == ALWAYS) {
        return true;
    } else {
        //DEFAULT
        if (replication < 3) {
            return false;
        } else {
            if (n <= (replication/2)) {
                return true;
            } else {
                return isAppend || isHflushed;
            }
        }
    }
}
/** Get the setting from configuration. */
public static ReplaceDatanodeOnFailure get(final Configuration conf) {
    final boolean enabled = conf.getBoolean(
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_ENABLE_KEY,
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_ENABLE_DEFAULT);
    if (!enabled) {
        return DISABLE;
    }
    final String policy = conf.get(
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_POLICY_KEY,
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_POLICY_DEFAULT);
    for(int i = 1; i < values().length; i++) {
        final ReplaceDatanodeOnFailure rdof = values()[i];
        if (rdof.name().equalsIgnoreCase(policy)) {
            return rdof;
        }
    }
    throw new HadoopIllegalArgumentException("Illegal configuration value for " +
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_POLICY_KEY +
            ": " + policy);
}

/** Write the setting to configuration. */
public void write(final Configuration conf) {
    conf.setBoolean(
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_ENABLE_KEY,
            this != DISABLE);
    conf.set(
            DFSConfigKeys.DFS_CLIENT_WRITE_REPLACE_DATANODE_ON_FAILURE_POLICY_KEY,
            name());
}

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package org.apache.hadoop.hdfs.web.resources;

import static org.apache.hadoop.hdfs.DFSConfigKeys.DFS_REPLICATION_DEFAULT;
import static org.apache.hadoop.hdfs.DFSConfigKeys.DFS_REPLICATION_KEY;

import org.apache.hadoop.conf.Configuration;

/** Replication parameter. */
public class ReplicationParam extends ShortParam {

/** Parameter name. */
public static final String NAME = "replication";
/** Default parameter value. */
public static final String DEFAULT = "default";

private static final Domain DOMAIN = new Domain(NAME);

/**
 * Constructor.
 * @param value the parameter value.
 */
public ReplicationParam(final Short value) {
    super(DOMAIN, value, (short)1, null);
}

/**
 * Constructor.
 * @param str a string representation of the parameter value.
 */
public ReplicationParam(final String str) {
    this(DOMAIN.parse(str));
}

@Override
public String getName() {
    return NAME;
}

/** @return the value or, if it is null, return the default from conf. */
public short getValue(final Configuration conf) {
    return getValue() != null? getValue(): (short)conf.getInt(DFS_REPLICATION_KEY, DFS_REPLICATION_DEFAULT);
}
}
package org.apache.hadoop.hdfs.web.resources;

import org.apache.hadoop.fs.permission.FsPermission;

/** Permission parameter, use a Short to represent a FsPermission. */
public class PermissionParam extends ShortParam {

/** Parameter name. */
public static final String NAME = "permission";

/** Default parameter value. */
public static final String DEFAULT = "null";

private static final Domain DOMAIN = new Domain(NAME, 8);

private static final short DEFAULT_PERMISSION = 0755;

/** @return the default FsPermission. */
public static FsPermission getDefaultFsPermission() {
    return new FsPermission(DEFAULT_PERMISSION);
}

/** @return the default FsPermission. */
public static FsPermission getDefaultFsPermission() {
    return new FsPermission(DEFAULT_PERMISSION);
}

/**
 * Constructor.
 * @param value the parameter value.
 */
public PermissionParam(final FsPermission value) {
    super(DOMAIN, value == null ? null : value.toShort(), null, null);
}

/**
 * Constructor.
 * @param str a string representation of the parameter value.
 */
public PermissionParam(final String str) {
    super(DOMAIN, str == null ? null : str.toShort(), null, null);
}
public PermissionParam(final String str) {
    super(DOMAIN, DOMAIN.parse(str), (short)0, (short)01777);
}

@Override
public String getName() {
    return NAME;
}

/** @return the represented FsPermission. */
public FsPermission getFsPermission() {
    final Short v = getValue();
    return new FsPermission(v != null? v: DEFAULT_PERMISSION);
}

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* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/LiteralFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/FunctionCallback.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/ValangException.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/LowerCaseFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/AbstractFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/ResolveFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/UpperCaseFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/RegExFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/javascript/taglib/ValangJavaScriptTagUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/javascript/taglib/ValangJavaScriptTagUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
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 */

Found in path(s):
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/javascript/taglib/ValangRulesExportInterceptor.java

No license file was found, but licenses were detected in source scan.

options {
STATIC = false;
DEBUG_PARSER = false;
}
PARSER_BEGIN(ValangParser)
/*
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 */
package org.springmodules.validation.valang.parser;

import java.lang.reflect.Constructor;
import java.math.BigDecimal;
import java.util.ArrayList;
import java.util.Collection;
import java.util.HashMap;
import java.util.Iterator;
import java.util.Map;
import java.io.StringReader;
import org.apache.commons.collections.Predicate;
import org.apache.commons.collections.functors.AndPredicate;
import org.apache.commons.collections.functors.NotPredicate;
import org.apache.commons.collections.functors.OrPredicate;
import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.springframework.beans.BeanUtils;
import org.springframework.util.StringUtils;
import org.springframework.util.ClassUtils;
import org.springframework.util.Assert;
import org.springmodules.validation.util.date.DateParseException;
import org.springmodules.validation.util.date.DefaultDateParser;
import org.springmodules.validation.valang.functions.AddFunction;
import org.springmodules.validation.valang.functions.BeanPropertyFunction;
import org.springmodules.validation.valang.functions.DateLiteralFunction;
import org.springmodules.validation.valang.functions.DivideFunction;
import org.springmodules.validation.valang.functions.Function;
import org.springmodules.validation.valang.functions.LiteralFunction;
import org.springmodules.validation.valang.functions.ModuloFunction;
import org.springmodules.validation.valang.functions.MultiplyFunction;
import org.springmodules.validation.valang.functions.SubtractFunction;
import org.springmodules.validation.valang.functions.TargetBeanFunction;
import org.springmodules.validation.valang.predicates.BasicValidationRule;
import org.springmodules.validation.valang.predicates.Operator;
import org.springmodules.validation.valang.predicates.OperatorConstants;

public class ValangParser {
private static Log log = LogFactory.getLog(ValangParser.class);

private DefaultVisitor visitor = new DefaultVisitor();

public ValangParser(String expression) {
    this(new StringReader(expression));
}

public ValangParser(String expression, Map customFunctions, Map dateParsers) {
    this(new StringReader(expression));
    setDateParsersByRegexp(dateParsers);
    setFunctionsByName(customFunctions);
}

public DefaultVisitor getVisitor() {
    if (this.visitor == null) {
        throw new IllegalStateException("Visistor is not set on parser");
    }
    return this.visitor;
}

public void setVisitor(DefaultVisitor visitor) {
    Assert.notNull(visitor, "ValangParser cannot accept a 'null' visitor");
    this.visitor = visitor;
}

public void setDateParsersByRegexp(Map dateParsersByRegexp) {
    if (dateParsersByRegexp == null) {
        return;
    }
    for (Iterator iter = dateParsersByRegexp.keySet().iterator(); iter.hasNext();)
    {
        String regexp = (String)iter.next();
        Object value = dateParsersByRegexp.get(regexp);
        if (value instanceof String) {
            getVisitor().getDateParser().register(regexp, (String)value);
        } else if (value instanceof DefaultDateParser.DateModifier) {
            getVisitor().getDateParser().register(regexp, (DefaultDateParser.DateModifier)value);
        } else {
            throw new ClassCastException("Could not register instance "+ value + "] with date parser!");
        }
    }
}

public void setFunctionsByName(Map functionsByName) {
    if (functionsByName == null) {

final Map constructorMap = new HashMap();
for (Iterator iter = functionsByName.keySet().iterator(); iter.hasNext();)
{
    Object stringNameObject = iter.next();
    if (!(stringNameObject instanceof String))
    {
        throw new IllegalArgumentException("Key for custom functions map must be a string value!");
    }
    String functionName = (String)stringNameObject;
    Object functionClassNameObject = functionsByName.get(functionName);
    if (!(functionClassNameObject instanceof String))
    {
        throw new IllegalArgumentException("Value for custom function map must be a string!");
    }
    String functionClassName = (String)functionClassNameObject;
    Class functionClass = loadClass(functionClassName);
    if (!(Function.class.isAssignableFrom(functionClass)))
    {
        throw new IllegalArgumentException("Custom function classes must implement org.springframework.validation.valang.functions.Function!");
    }
    Constructor constructor = null;
    try
    {
        constructor = functionClass.getConstructor(new Class[]{Function.class, int.class, int.class});
    }
    catch (NoSuchMethodException e)
    {
        throw new IllegalArgumentException("Class [" + functionClass.getName() + "] has no constructor with one org.springframework.validation.valang.functions.Function parameter!");
    }
    constructorMap.put(functionName, constructor);
}
getVisitor().setVisitor(new ValangVisitor()
    {
    public Function getFunction(String name, Function[] functions, int line, int column)
    {
        if (constructorMap.containsKey(name))
        {    
            Constructor functionConstructor = (Constructor)constructorMap.get(name);
            return (Function) BeanUtils.instantiateClass(functionConstructor, new Object[]{functions, new Integer(line), new Integer(column)});
        }
        return null;
    }
    });
}

private Class loadClass(String className)
{
    try
    {
        return ClassUtils.forName(className);
    } catch (ClassNotFoundException cnfe)
log.error("Could not load class "+className + ", cnfe);
throw new IllegalArgumentException("Could not load class "+className + ");
}

private String replace(String s) {
    String tmpS = s;
    tmpS = StringUtils.replace(tmpS, "\\\", "\\");
    tmpS = StringUtils.replace(tmpS, "\\n", "\n");
    tmpS = StringUtils.replace(tmpS, "\\r", "\r");
    tmpS = StringUtils.replace(tmpS, "\\t", "\t");
    tmpS = StringUtils.replace(tmpS, "\\b", "\b");
    tmpS = StringUtils.replace(tmpS, "\\f", "\f");
    tmpS = StringUtils.replace(tmpS, "\\", "\");
    return tmpS;
}

PARSER_END(ValangParser)

SKIP :
{
  " 
  |
  "\t"
  |
  "\n"
  |
  "\r"
}

TOKEN [IGNORE_CASE] :
{
  < AND : "AND" >
  | < OR : "OR" >
  | < NOT : "NOT" >
  | < BETWEEN : "BETWEEN" | "IS BETWEEN" >
  | < NOT_BETWEEN : "NOT BETWEEN" | "IS NOT BETWEEN" >
  | < IN : "IN" | "IS IN" >
  | < NOT_IN : "NOT IN" | "IS NOT IN" >
  | < IS_NULL : "IS NULL" | "NULL" >
  | < IS_NOT_NULL : "IS NOT NULL" | "NOT NULL" >
  | < HAS_TEXT : "HAS TEXT" >
  | < HAS_NO_TEXT : "HAS NO TEXT" >
  | < HAS_LENGTH : "HAS LENGTH" >
  | < HAS_NO_LENGTH : "HAS NO LENGTH" >
  | < IS_BLANK : "IS BLANK" >
Predicate parseExpression() :
{
    Predicate predicate = null;
    Function targetBeanFunction = new TargetBeanFunction();
}

Open Source Used In Virtualized Voice Browser 12.6(1)  353
predicate = predicates(targetBeanFunction) <EOF> { return predicate; }

Collection parseValidation() :
{
Predicate predicate = null;
Collection rules = new ArrayList();
String message = null;
String field = null;
String errorKey = null;
Collection errorArgs = null;
Function function = null;
Function fieldFunction = null;
}
{
{
{
"{"
(<FUNCTION_NAME> | <PATH> )
{
field = token.image;
fieldFunction = new BeanPropertyFunction(field);
/* MOD-26: re-initialize error key and arguments to null for every rule.
   kudos to Cesar Ordinana for reporting this bug. */
errorKey = null;
errorArgs = new ArrayList();
}
";"
predicate = predicates(fieldFunction)
";"
<STRING> { message = token.image.substring(1, token.image.length() - 1); } ]
";"
<STRING> { errorKey = token.image.substring(1, token.image.length() - 1); } ]
";"
( LOOKAHEAD(2)
function = function(fieldFunction) { errorArgs.add(function); } ";" */
function = function(fieldFunction) { errorArgs.add(function); } ]
] "}"
)
{
/* take into account error key and error args for localization */
rules.add(new BasicValidationRule(field, predicate, errorKey, message, errorArgs));

Predicate not(Function fieldFunction) {
    Predicate predicate = null;
    
    <NOT> predicate = expression(fieldFunction) { return NotPredicate.getInstance(predicate); } 
}

Predicate predicates(Function fieldFunction) {
    Predicate predicate1 = null;
    Predicate predicate2 = null;
    boolean andTest = false;
    boolean orTest = false;
    
    predicate1 = expression(fieldFunction)
    ( 
        <AND>{ andTest = true; }
        |<OR>{ orTest = true; }
    )
    predicate2 = expression(fieldFunction)
    { 
        if (andTest) {
            predicate1 = AndPredicate.getInstance(predicate1, predicate2);
            andTest = false;
        } else if (orTest) {
            predicate1 = OrPredicate.getInstance(predicate1, predicate2);
            orTest = false;
        }
    }
    return predicate1;
}

Open Source Used In Virtualized Voice Browser 12.6(1) 355
Predicate expression(Function fieldFunction) :
{
    Predicate predicate = null;
    }
    {((LOOKAHEAD("(" predicates(fieldFunction) ")")
    "(" predicate = predicates(fieldFunction) ")")
    | predicate = not(fieldFunction)
    | predicate = predicate(fieldFunction)
    )
    }
    return predicate;
    }
}

Predicate predicate(Function fieldFunction) :
{
    Function leftFunction = null;
    Function rightFunction1 = null;
    Function rightFunction2 = null;
    Function tmpFunction = null;
    Operator operator = null;
    boolean notBetween = false;
    boolean notIn = false;
    Collection functions = new ArrayList();
    boolean collectionProperty = false;
    }
    {((leftFunction = additiveExpr(fieldFunction)
    {(operator = binaryOperator() rightFunction1 = additiveExpr(fieldFunction)
    | operator = unaryOperator()
    )
    }
    }
    return getVisitor().getPredicate(leftFunction, operator, rightFunction1, 0, 0);
    }
    {(<BETWEEN> | <NOT_BETWEEN> [ notBetween = true: ] )
    (rightFunction1 = additiveExpr(fieldFunction)
    <AND>
    rightFunction2 = additiveExpr(fieldFunction)
    )}
if (notBetween) {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_BETWEEN_OPERATOR, new LiteralFunction(new Function[] { rightFunction1, rightFunction2 }), 0, 0);
} else {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.BETWEEN_OPERATOR, new LiteralFunction(new Function[] { rightFunction1, rightFunction2 }), 0, 0);
}

if (!collectionProperty) {
    tmpFunction = new LiteralFunction(functions);
}
if (notIn) {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_IN_OPERATOR, tmpFunction, 0, 0);
} else {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.IN_OPERATOR, tmpFunction, 0, 0);
}

Function function(Function fieldFunction) {
    String function = null;
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
    Collection functionArguments = new ArrayList();
    }
    
    LOOKAHEAD(2)
    tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); }
    
    tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); }
    "@" tmpFunction = beanProperty(fieldFunction) { collectionProperty = true; }
    }
    
    if (!collectionProperty) {
        tmpFunction = new LiteralFunction(functions);
    }
    if (notIn) {
        return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_IN_OPERATOR, tmpFunction, 0, 0);
    } else {
        return getVisitor().getPredicate(leftFunction, OperatorConstants.IN_OPERATOR, tmpFunction, 0, 0);
    }
    }
    
    }

    Function function(Function fieldFunction) {
    String function = null;
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
    Collection functionArguments = new ArrayList();
    }
    
    ( LOOKAHEAD(2)
Function additiveExpr(Function fieldFunction):
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}
{
    leftFunction = subtractiveExpr(fieldFunction)
    (<ADD> { line = token.beginLine; column = token.beginColumn; } rightFunction = subtractiveExpr(fieldFunction) { leftFunction = new AddFunction(leftFunction, rightFunction, line, column); } )
    *
    return leftFunction;
}
}

Function subtractiveExpr(Function fieldFunction):
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}
{
    leftFunction = multiplicativeExpr(fieldFunction)
    (<SUB> { line = token.beginLine; column = token.beginColumn; } rightFunction = multiplicativeExpr(fieldFunction) { leftFunction = new SubtractFunction(leftFunction, rightFunction, line, column); } )
    *
    return leftFunction;
}
}

Function multiplicativeExpr(Function fieldFunction):
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}
{
    leftFunction = logicalAndExpr(fieldFunction)
    (<MUL> { line = token.beginLine; column = token.beginColumn; } rightFunction = logicalAndExpr(fieldFunction) { leftFunction = new MulFunction(leftFunction, rightFunction, line, column); } )
    /
    return leftFunction;
}

Function logicalAndExpr(Function fieldFunction):
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}
{
    leftFunction = primaryExpr(fieldFunction)
    (<AND> { line = token.beginLine; column = token.beginColumn; } rightFunction = primaryExpr(fieldFunction) { leftFunction = new AndFunction(leftFunction, rightFunction, line, column); } )
    /
    return leftFunction;
}

Function primaryExpr(Function fieldFunction):
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}

Function multiplicativeExpr(Function fieldFunction) :
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
}
{
    leftFunction = function(fieldFunction)
    (<MULTIPLY> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { leftFunction = new MultiplyFunction(leftFunction, rightFunction, line, column); } | <DIVIDE> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { leftFunction = new DivideFunction(leftFunction, rightFunction, line, column); } | <MOD> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { leftFunction = new ModuloFunction(leftFunction, rightFunction, line, column); } )*
    return leftFunction;
}

Function beanPropertyOrLiteral(Function fieldFunction) :
{
    Function function = null;
}
{
    function = literal() { return function; }
    | function = beanProperty(fieldFunction) { return function; }
}

Function literal() :
{
    |
    (<TRUE> { return new LiteralFunction(Boolean.TRUE); } | <FALSE> { return new LiteralFunction(Boolean.FALSE); }
| <STRING> { return new LiteralFunction(replace(token.image.substring(1, token.image.length() - 1))); } |
| <NUM> { return new LiteralFunction(new BigDecimal(token.image)); } |
| <DATE> { try {
getVisitor().getDateParser().parse(token.image.substring(1, token.image.length() - 1));
} catch (DateParseException e) {
throw new ParseException("Could not parse date "][ token.image.substring(1, token.image.length() - 1) + "] at line " + token.beginLine + ", column " + token.beginColumn + ").

return new DateLiteralFunction(token.image.substring(1, token.image.length() - 1), getVisitor().getDateParser(),
token.beginLine, token.beginColumn);
}
}

Function beanProperty(Function fieldFunction) {
|
Function function = null;
|
function = path() { return function; }
|
}

Function path() {
|
String path = null;
|
|
<path> { path = token.image; }
|<FUNCTION_NAME> { path = token.image; }
|
|
return new BeanPropertyFunction(path);
|
}

Operator binaryOperator() {
|
Operator operator = null;
|
|
<NOT_EQUAL> { operator = OperatorConstants.NOT_EQUAL_OPERATOR; }
|<MORE_THAN_OR_EQUAL> { operator = OperatorConstants.MORE_THAN_OR_EQUAL_OPERATOR; }
|<MORE_THAN> { operator = OperatorConstants.MORE_THAN_OPERATOR; }
|<LESS_THAN_OR_EQUAL> { operator = OperatorConstants.LESS_THAN_OR_EQUAL_OPERATOR; }
|<LESS_THAN> { operator = OperatorConstants.LESS_THAN_OPERATOR; }
Operator unaryOperator() : 
{
    Operator operator = null;
    
    <IS_NULL> { operator = OperatorConstants.NULL_OPERATOR; } 
    <IS_NOT_NULL> { operator = OperatorConstants.NOT_NULL_OPERATOR; } 
    <HAS_TEXT> { operator = OperatorConstants.HAS_TEXT_OPERATOR; } 
    <HAS_NO_TEXT> { operator = OperatorConstants.HAS_NO_TEXT_OPERATOR; } 
    <HAS_LENGTH> { operator = OperatorConstants.HAS_LENGTH_OPERATOR; } 
    <HAS_NO_LENGTH> { operator = OperatorConstants.HAS_NO_LENGTH_OPERATOR; } 
    <IS_BLANK> { operator = OperatorConstants.IS_BLANK_OPERATOR; } 
    <IS_NOT_BLANK> { operator = OperatorConstants.IS_NOT_BLANK_OPERATOR; } 
    <IS_WORD> { operator = OperatorConstants.IS_WORD_OPERATOR; } 
    <IS_NOT_WORD> { operator = OperatorConstants.IS_NOT_WORD_OPERATOR; } 
    <IS_UPPER_CASE> { operator = OperatorConstants.IS_UPPER_CASE_OPERATOR; } 
    <IS_NOT_UPPER_CASE> { operator = OperatorConstants.IS_NOT_UPPER_CASE_OPERATOR; } 
    <IS_LOWER_CASE> { operator = OperatorConstants.IS_LOWER_CASE_OPERATOR; } 
    <IS_NOT_LOWER_CASE> { operator = OperatorConstants.IS_NOT_LOWER_CASE_OPERATOR; } 
    
    return operator;
}

Found in path(s):
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/parser/valang.jj

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/*
   * $Header:
   /cvs/springmodules/projects/validation/src/java/org/springmodules/validation/commons/validwhen/ValidWhenParser.java,v 1.3 2006/10/27 01:59:59 hueboness Exp$
   * $Revision: 1.3 $
   * $Date: 2006/10/27 01:59:59 $
   *
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*/

Found in path(s):
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/commons/validwhen/ValidWhenParser.java
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 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/functions/DivideFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/condition/range/BetweenCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/condition/Conditions.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/xml/DomUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/BeanValidationConfiguration.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/xml/DefaultValidationRuleElementHandlerRegistry.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/condition/collection/IsEmptyCollectionCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/xml/AbstractXmlBeanValidationConfigurationLoader.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/xml/handler/ExpressionPropertyValidationElementHandler.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/xml/handler/ExpressionClassValidationElementHandler.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/CascadeValidation.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/util/condition/collection/NotCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/commons/PageAware.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/commons/ValidatorFactory.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/bean/rule/MinSizeValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/bean/rule/MaxValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/bean/rule/DateInTheFutureValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/bean/rule/ClassValidationElementHandler.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/bean/rule/ValangFunctionExpressionParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/validation/valang/predicates/BasicValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/util/fel/FunctionExpressionParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/util/condition/date/jodatime/IsAfterInstantCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/util/condition/range/AbstractRangeCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/bean/RuleBasedValidator.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/bean/context/ValidationContextUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/bean/rule/MaxLengthValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/bean/rule/NotEmptyValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/bean/rule/NotBlankValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/predicates/Operator.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/functions/ModuloFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/condition/common/AlwaysFalseCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/condition/common/IsAfterDateCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/condition/range/GreaterThanCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/condition/TypeSpecificCondition.java

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* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/condition/date/jodatime/AbstractInstantCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/condition/date/IsBeforeDateCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/PrioritizedBeanValidationConfigurationLoader.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/rule/DefaultValidationRule.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/predicates/AbstractPropertyPredicate.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/commons/DefaultValidatorFactory.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/rule/resolver/ErrorArgumentsResolver.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/functions/TargetBeanFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/parser/SimpleValangBased.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/bean/conf/loader/xml/AbstractResourceBasedBeanValidationConfigurationLoader.java
java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/condition/string/ContainsSubstringStringCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/fel/parser/PropertyPathFunctionExpressionParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/parser/JavaCharStream.java
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/*
 * $Header:
cvs/springmodules/projects/validation/src/java/org/springmodules/validation/commons/validwhen/ValidWhenLexer.java,v 1.3 2006/10/27 01:59:59 hueboness Exp $
 * $Revision: 1.3 $
 * $Date: 2006/10/27 01:59:59 $
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package org.springmodules.validation.commons.validwhen;

import java.util.Stack;
import java.math.BigDecimal;
import org.apache.commons.validator.util.ValidatorUtils;
}

class ValidWhenParser extends Parser;

options {
    k=6;
    defaultErrorHandler=false;
}

{Stack argStack = new Stack();
 Object form;
int index;
String value;

public void setForm(Object f) { form = f; }
public void setIndex (int i) { index = i; }
public void setValue (String v) { value = v; }

public boolean getResult() {
    return ((Boolean)argStack.peek()).booleanValue();
}

private final int LESS_EQUAL=0;
private final int LESS_THAN=1;
private final int EQUAL=2;
private final int GREATER_THAN=3;
private final int GREATER_EQUAL=4;
private final int NOT_EQUAL=5;
private final int AND=6;
private final int OR=7;

private boolean evaluateComparison (Object v1, Object compare, Object v2) {
    if ((v1 == null) || (v2 == null)) {
        if (String.class.isInstance(v1)) {
            if (((String) v1).length() == 0) { v1 = null; }
        }
        if (String.class.isInstance(v2)) {
            if (((String) v2).length() == 0) { v2 = null; }
        }
    }
    switch (((Integer)compare).intValue()) {
    case LESS_EQUAL:
    case GREATER_THAN:
    case LESS_THAN:
    case GREATER_EQUAL:
        return false;
    case EQUAL:
        return (v1 == v2);
    case NOT_EQUAL:
        return (v1 != v2);
    }
}

boolean numberCompare = true;
if ((BigDecimal.class.isInstance(v1) || String.class.isInstance(v1)) &&
    (BigDecimal.class.isInstance(v2) || String.class.isInstance(v2))) {
numberCompare = true;
} else {
    numberCompare = false;
}

if (numberCompare) {
    try {
        BigDecimal number1, number2;
        if (BigDecimal.class.isInstance(v1)) {
            number1 = (BigDecimal)v1;
        } else {
            number1 = new BigDecimal((String) v1);
        }
        if (BigDecimal.class.isInstance(v2)) {
            number2 = (BigDecimal)v2;
        } else {
            number2 = new BigDecimal((String) v2);
        }
        int compareResult = number1.compareTo(number2);
        switch (((Integer)compare).intValue()) {
            case LESS_EQUAL:
                return (compareResult <= 0);
            case LESS_THAN:
                return (compareResult < 0);
            case EQUAL:
                return (compareResult == 0);
            case GREATER_THAN:
                return (compareResult > 0);
            case GREATER_EQUAL:
                return (compareResult >= 0);
            case NOT_EQUAL:
                return (compareResult != 0);
        }
    } catch (NumberFormatException ex) {};
}

String string1 = String.valueOf(v1);
String string2 = String.valueOf(v2);

int res = string1.compareTo(string2);

switch (((Integer)compare).intValue()) {
case LESS_EQUAL:
    return (res <= 0);

case LESS_THAN:
    return (res < 0);

case EQUAL:
    return (res == 0);

case GREATER_THAN:
    return (res > 0);

case GREATER_EQUAL:
    return (res >= 0);

case NOT_EQUAL:
    return (res != 0);
}
}

return true;
}

number
: d:DECIMAL_LITERAL { argStack.push(new BigDecimal(d.getText())); } |
| h:HEX_LITERAL { argStack.push(new BigDecimal(Integer.decode(h.getText()).toString())); };

string : str:STRING_LITERAL { argStack.push(str.getText().substring(1, str.getText().length()-1)); };

identifier
: str:IDENTIFIER { argStack.push(str.getText()); };

field
: identifier LBRACKET RBRACKET identifier {
    Object i2 = argStack.pop();
    Object i1 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, i1 + "[" + index + "]" + i2));
}
| identifier LBRACKET number RBRACKET identifier {
    Object i5 = argStack.pop();
    Object i4 = argStack.pop();
    Object i3 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, i3 + "]" + i4 + "]") + i5));
}
| identifier LBRACKET number RBRACKET LBRACKET {
    Object i7 = argStack.pop();
Object i6 = argStack.pop();
argStack.push(ValidatorUtils.getValueAsString(form, i6 + "[" + i7 + "]");
}
| identifier LBRACKET RBRACKET {
    Object i8 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, i8 + "[" + index + "]");
}
| identifier {
    Object i9 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, (String)i9));
}
;
literal : number | string | "null" { argStack.push(null); } | THIS { argStack.push(value); };
value : field | literal;
expression : expr EOF;
expr: LPAREN comparisonExpression RPAREN | LPAREN joinedExpression RPAREN;

joinedExpression : expr join expr {
    Boolean v1 = (Boolean) argStack.pop();
    Integer join = (Integer) argStack.pop();
    Boolean v2 = (Boolean) argStack.pop();
    if (join.intValue() == AND) {
        argStack.push(new Boolean(v1.booleanValue() && v2.booleanValue()));
    } else {
        argStack.push(new Boolean(v1.booleanValue() || v2.booleanValue()));
    }
};
join : ANDSIGN { argStack.push(new Integer(AND)); } |
    ORSIGN { argStack.push(new Integer(OR)); };
comparison :
EQUALSIGN { argStack.push(new Integer(EQUAL)); } |
GREATERTHANSIGN { argStack.push(new Integer(GREATER_THAN)); } |
GREATEREQUALSIGN { argStack.push(new Integer(GREATER_EQUAL)); } |
LESSTHAN { argStack.push(new Integer(LESS_THAN)); } |
LESEQUALSIGN { argStack.push(new Integer(LESS_EQUAL)); } |
NOTEQUALSIGN { argStack.push(new Integer(NOT_EQUAL)); } ;

comparisonExpression : value comparison value {
    Object v2 = argStack.pop();
    Object comp = argStack.pop();
    Object v1 = argStack.pop();
    argStack.push(new Boolean(evaluateComparison(v1, comp, v2)));
class ValidWhenLexer extends Lexer;

options {
k=2;
caseSensitive=false;
defaultErrorHandler=false;
}

tokens {
ANDSIGN="and";
ORSIGN="or";
}

WS : ( ' ' | \t | \n | \r )+
    { $setType(Token.SKIP); }

DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+
DECIMAL_LITERAL : (\'\'\' | \n\'| \n' | \r' )+

HEX_LITERAL : '0' 'x' (\'0'..'9' | \'a'..'f')+

STRING_LITERAL : (\" (~\")+ \"") | ('\' (~\'\')\+ '\')

LBRACKET : '\['

RBRACKET : '\]

LPAREN : '\('

RPAREN : '\)

THIS : "\"this\""

IDENTIFIER : (\'a'..'z' | \'.\' | '\_') (\'a'..'z' | \'0'..'9' | \'.\' | '\_')+

EQUALSIGN : '=' '='

NOTEQUALSIGN : '!' '='

LESSTHANSIGN : '<'

GREATERTHANSIGN : '>'
**1.20 rng-tools 2 13.el6_2**

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1.21 commons-beanutils 1.9.4

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1.22 tomcat-jasper-el 9.0.37

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/RowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ForwardingSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ForwardingListMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ForwardingImmutableCollection.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/reflect/TypeToken.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/escape/CharEscaper.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/reflect/TypeToken.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/base/CaseFormat.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/RangeSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/ForwardingImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/GeneralRange.java
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jar/com/google/common/collection/AbstractRangeSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/ImmutableSortedMultiset.java
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jar/com/google/common/collection/Count.java

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collections/ForwardingMapEntry.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collections/Sets.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ForwardingMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/Multisets.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/NullsLastOrdering.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ForwardingList.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/EnumBiMap.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/LinkedHashMultimap.java
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jar/com/google/common/net/UrlEscapers.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/MapMakerInternalMap.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ForwardingTable.java

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/ConfigurableMutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/GraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/DirectedGraphConnections.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/AbstractNetwork.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/ForwardingGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/Comparators.java
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jar/com/google/common/graph/ConfigurableMutableGraph.java
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jar/com/google/common/graph/DirectedNetworkConnections.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/ForwardingNetwork.java
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jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/AbstractGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/ConfigurableNetwork.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/GraphConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/EdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/ValueGraph.java
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jar/com/google/common/graph/ImmutableValueGraph.java

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
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>Returns an array containing all of the elements in the specified collection. This method
returns the elements in the order they are returned by the collection's iterator. The returned
array is "safe" in that no references to it are maintained by the collection. The caller is
thus free to modify the returned array.

This method assumes that the collection size doesn't change while the method is running.

TODO(kevinb): support concurrently modified collections?

@param c the collection for which to return an array of elements

*/

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jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/hash/MacHashFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
ar/com/google/common/io/ReaderInputStream.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
ar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
ar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/Platform.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/IgnoreJRERequirement.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collect/SortedLists.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/base/Ascii.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/base/Equivalence.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/base/Strings.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/Monitor.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/ListeningExecutorService.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/Atomics.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/cache/RemovalNotification.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/cache/AbstractCache.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/UnsignedInteger.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/cache/CacheStats.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/hash/AbstractHasher.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/net/HostAndPort.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/ParseRequest.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/RegularImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Enums.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/reflect/Types.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/ExecutionError.java

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Defaults.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/LineBuffer.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Primitives.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Suppliers.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/Closeables.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/EnumMultiset.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/MultiInputStream.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Charsets.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collect/HashBiMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collect/Interners.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/package-info.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/LittleEndianDataOutputStream.java
jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/EvictingQueue.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/FilteredMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collection/CompactLinkedHashSet.java
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 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 * ImmutableSortedMap#of(Comparable, Object)}</b>.
 */

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/ImmutableDoubleArray.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collect/BaseImmutableMultimap.java

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 */

/**
 * Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
 * {@code PartiallyGwtIncompatible}. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/util/concurrent/Partially.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/CollectPreconditions.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/HashBasedTable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/PeakIterated.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/Collections2.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1.jar/com/google/common/collection/ImmutableSortedSet.java

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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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 */
/*
/* This method was rewritten in Java from an intermediate step of the Murmur hash function in
/* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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jar/com/google/common/graph/BaseGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ObjectCountHashMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/collect/ObjectCountLinkedHashMap.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
jar/com/google/common/graph/Traverser.java
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  jar/com/google/common/base/PatternCompiler.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
  jar/com/google/common/base/JdkPattern.java
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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
  jar/com/google/common/primitives/Bytes.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
  jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
  jar/com/google/common/net/PercentEscaper.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-
  jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collections/FluentIterable.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Joiner.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/internal/Finalizer.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/CharMatcher.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Ints.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/base/Converter.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Chars.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Longs.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Shorts.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/primitives/Booleans.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/escape/Escaper.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java

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* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/MutableGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/ImmutableGraph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/Graph.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/Graphs.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/collect/TopKSelector.java
* /opt/ws_local/PERMITS_SQL/1080562715_1597630004.25/0/guava-28-2-android-sources-1-jar/com/google/common/graph/ImmutableNetwork.java

1.35 jettison 1.3.7
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1.36 jline 0.9.93

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* /opt/cola/permits/1150919602_1617720658.61/0/jline-0-9-93-sources-2-jar/jline/NullCompleter.java
* /opt/cola/permits/1150919602_1617720658.61/0/jline-0-9-93-sources-2-jar/jline/ConsoleReaderInputStream.java
1.37 stax 3.0.2

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Found in path(s):
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/ValueEncoderFactory.java
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* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/XMLStreamReader2.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/typed/TypedXMLStreamReader.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/typed/Base64Variants.java

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* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/util/StreamWriterDelegate.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/Base64DecoderBase.java
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* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/StringBase64Decoder.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/NumberUtil.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/CharArrayBase64Decoder.java

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* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/Stax2WriterAdapter.java
* /opt/cola/permits/1135953249_1615204102.9/0/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/Stax2WriterImpl.java

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* /opt/cola/permits/1135953249_1615204102.90/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/Stax2EventReaderImpl.java
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* /opt/cola/permits/1135953249_1615204102.90/stax2-api-3-0-2-sources-1-jar/org/codehaus/stax2/ri/typed/ValueDecoderFactory.java

Open Source Used In Virtualized Voice Browser 12.6(1) 525
1.38 libgsm 1.0.13-11.el7

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1.39 libgcc 4.8.5
1.40 mariadb 5.5.56 2.el7

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```
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected

SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
```
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION/license;
ERROR 42S22: Unknown column 'license' in 'field list'
Expected error 'Readonly variable'

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==================

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# Creation Date: 2008-02-07
# Author : Sharique Abdullah

# Description: Test Cases of Dynamic System Variable license that checks the behavior of this variable in the following ways
#               * Value Check
#               * Scope Check

--echo '#---------------------BS_STVARS_040_01----------------------#'
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_02----------------------#'
SET @@GLOBAL.license=1;
--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@GLOBAL.license);
--echo Expected error 'Read only variable'

--echo '#---------------------BS_STVARS_040_03----------------------#'
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected

--echo '---------------------BS_STVARS_040_04----------------------#
#############################################################################
#  Check if accessing variable with and without GLOBAL point to same variable  #
#############################################################################
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected

--echo '---------------------BS_STVARS_040_05----------------------#
#############################################################################
#   Check if license can be accessed with and without @@ sign                  #
#############################################################################
SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'

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Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and
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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
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everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
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safest to attach them to the start of each source file to most effectively
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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample: alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

This part of the FAQ is based on a series of questions we asked the FSF
to understand how the GPL works and how patents affects the GPL. These
questions were answered by the FSF lawyers, so we view them as the
final interpretation on how the GPL and LGPL interact with patents in our
opinion. This consultancy was paid for by Fluendo in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

Can someone distribute the combination of

GStreamer, the LGPL library
MyPlayer, a GPL playback application
The binary-only Sorenson decoder
together in one distribution/operating system? If not, what needs to be changed to make this possible?

This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can’t get around the GPL just by including a LGPL bit in the middle.

Note: MyPlayer is a completely fictitious application at the time of writing.
Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

If a program released under the GPL uses a library that is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in?

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.

Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway? If he/she visits the US, can he/she be arrested?

Yes, he can. No, there are no criminal penalties for patent infringement in the US.
Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?

This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent infringing devices, including software.

There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?

The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

The GPL and LGPL say (sections 7 and 11):

If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.
So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?

The GPL operates on a per-action, not per-program basis. That is, if you are in a country which has software patents, and a court tells you that you cannot distribute (say) libmad in source code form, then you cannot distribute libmad at all. This doesn't affect anyone else.

Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library. Does this affect the licensing issues involved in regards to GPL/LGPL?

No.

Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?
The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

If you take a license which doesn't allow others to distribute original or modified versions of libmad practicing the same patent claims as the version you distribute, then you may not distribute at all.

1.57 logback-access 1.2.3

1.57.1 Available under license:

Eclipse Public License - v 1.0

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Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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* */
/**
* Outer class that exists solely to let us write [ @code Partially.GwtIncompatible ] instead of plain
* [ @code GwtIncompatible ]. This is more accurate for [ @link Futures#catching ], which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a [{@code GwtIncompatible} annotation. And for [{@code Futures.catching}, we need the GWT
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*/

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jar/com/google/common/util/concurrent/Striped.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/primitives/UnsignedBytes.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/cache/CacheBuilder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/net/UrlEscapers.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/base/Platform.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/ByteProcessor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/Cut.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/MapMaker.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/DenseImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/cache/LocalCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/Escapers.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/MapMakerInternalMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/LineProcessor.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/xml/XmlEscapers.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/escape/Platform.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/net/InternetDomainName.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/annotations/GwtIncompatible.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/html/HtmlEscapers.java
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  jar/com/google/common/collection/SortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collection/SortedMultisets.java
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  jar/com/google/common/collection/Interners.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Charsets.java
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  jar/com/google/common/collection/EnumMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/Predicate.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/eventbus/package-info.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Functions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Preconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/CountingOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/Resources.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/CountingInputStream.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/EventBus.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Function.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Suppliers.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/IOException.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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 */
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODo(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ObjectArrays.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/PredecessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ImmutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/TopKSelector.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/Graphs.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/MutableGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ImmutableGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/SuccessorsFunction.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/SortedMapDifference.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/UnmodifiableListIterator.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1- jar/com/google/common/collection/ForwardingListMultimap.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/CommonPattern.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/JdkPattern.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/PatternCompiler.java
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  jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/collect/AbstractTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/base/VerifyException.java
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jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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jar/com/google/common/eventbus/SubscriberExceptionContext.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/io/ReaderInputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/Platform.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/LittleEndianByteArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/MacHashFunction.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ReguralImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/Serialization.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/CollectPreconditions.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableSortedSet.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/hash/AbstractHashFunction.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/primitives/ImmutableDoubleArray.java
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 */

/ *
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/base/SmallCharMatcher.java
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  jar/com/google/common/hash/package-info.java

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  jar/com/google/common/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/math/LinearTransformation.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/math/StatsAccumulator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
  jar/com/google/common/io/ByteSource.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableRangeSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ImmutableRangeMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/math/Stats.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/Parameter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/StandardSystemProperty.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/CharSink.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAddables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAddable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/ByteSink.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/ImmutableSupplier.java

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  jar/com/google/common/collect/Hashing.java
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Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}</b>
key. <b>Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy</b>
version.

@throws UnsupportedOperationException always
@deprecated <b>Pass a key of type {@code Comparable} to use {link ImmutableSortedMap#of(Comparable, Object)}. </b>

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/*
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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/*
*/

*/
jar/com/google/common/graph/GraphConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/MapIteratorCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ConfigurableMutableGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/EdgesConnecting.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/graph/AbstractGraphBuilder.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/IndexedImmutableSet.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/SortedIterable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/GeneralRange.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/RangeSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/SortedIterables.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collection/AbstractRangeSet.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/Striped64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/hash/LongAdder.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/net/PercentEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/internal/Finalizer.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/Converter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/escape/Escaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/AbstractMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/TreeRangeMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/CompactHashMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1.jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-
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  jar/com/google/common/collection/ArrayTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ForwardingTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ComputationException.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/DiscreteDomain.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/RegularImmutableList.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android/sources-1-
  jar/com/google/common/collection/ComparisonChain.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/collect/ImmutableClassToInstanceMap.java

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 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
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 */

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/escape/CharEscaper.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/io/AppendableWriter.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/annotations/VisibleForTesting.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/CollectionFuture.java
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* /opt/ws_local/PERMITS_SQL/1072871384_1595214797.28/0/guava-28-1-android-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

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from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
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/*
* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
jar/org/apache/commons/validator/Form.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/util/ValidatorUtils.java,v 1.7.2.1 2004/06/22 02:24:38 husted Exp $
 * $Revision: 1.7.2.1 $
 * $Date: 2004/06/22 02:24:38 $
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Found in path(s):
 * /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/util/ValidatorUtils.java

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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
  jar/org/apache/commons/validator/GenericTypeValidator.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvs/jakarta-
commons/validator/src/share/org/apache/commons/validator/ValidatorException.java,v 1.8 2004/02/21 17:10:29
rleland Exp $
 * $Revision: 1.8 $
 * $Date: 2004/02/21 17:10:29 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
  jar/org/apache/commons/validator/ValidatorException.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorResults.java,v
1.10 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.10 $
 * $Date: 2004/02/21 17:10:29 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/ValidatorResults.java
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/*
* $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/Validator.java,v 1.34
2004/02/21 17:10:29 rleland Exp $
* $Revision: 1.34 $
* $Date: 2004/02/21 17:10:29 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/ValidatorAction.java
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/*
* $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorAction.java,v
1.20.2.1 2004/04/13 05:49:22 rleland Exp $
* $Revision: 1.20.2.1 $
* $Date: 2004/04/13 05:49:22 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
  jar/org/apache/commons/validator/ValidatorAction.java

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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-
  jar/org/apache/commons/validator/ValidatorUtil.java
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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/FormSet.java,v 1.15 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.15 $
 * $Date: 2004/02/21 17:10:29 $
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  jar/org/apache/commons/validator/FormSet.java

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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/ValidatorResources.java,v 1.30.2.2 2004/06/22 02:24:38 husted Exp $ 
 * $Revision: 1.30.2.2 $ 
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/ValidatorResources.java

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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/CreditCardValidator.java

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/*
 * $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/DateValidator.java,v 1.6 2004/02/21 17:10:29 rleland Exp $
 * $Revision: 1.6 $
 * $Date: 2004/02/21 17:10:29 $
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/DateValidator.java

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/*/ 
* $Header: /home/cvs/jakarta-commons/validator/src/share/org/apache/commons/validator/EmailValidator.java,v 1.12 2004/02/21 17:10:29 rleland Exp $ 
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* /opt/cola/permits/1136489657_1613774410.05/0/commons-validator-1-1-4-sources-3-jar/org/apache/commons/validator/EmailValidator.java

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  jar/org/apache/commons/validator/Var.java
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/*
* $Header: /home/cvs/jakarta-
  commons/validator/src/share/org/apache/commons/validator/Attic/ValidatorResourcesInitializer.java,v 1.22
  2004/02/21 17:10:29 rleland Exp $
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1.65 librest 0.8.1-2.el7

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src/utils/cst_file_stdio.c
src/utils/cst_mmap_posix.c
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src/regex/regexp.c
src/regex/regexp.c

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lang/usenglish/us_durz_cart.h
lang/usenglish/us_int_accent_cart.c
lang/usenglish/us_int_accent_cart.h
lang/usenglish/us_int_tone_cart.c
lang/usenglish/us_int_tone_cart.h
lang/usenglish/us_phoneset.c
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src/speech/g721.c
src/speech/g72x.c
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/* Original table developed by Richard Sproat and Kyoung-young Kim */
/* Ported for Festvox by Gopala Anumachipalli gopalakr@cs.cmu.edu Sep 2012 */
/* Then converted to C for CMU Flite (cmuflite.org)                 */

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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/* * This library's function is primarily to read and display MNG * */
/* * animations. It is not meant as a full-featured image-editing * */
/* * component! It does however offer creation and editing functionality * */
/* * at the chunk level. * */
/* * (future modifications may include some more support for creation * */
/* * and or editing) * */
/*************************************************************************/
MNGPLG
A simple browser plug-in for the MNG image/animation file format.

By Jason Summers  <jason1@pobox.com>
Web site: <http://pobox.com/~jason1/mngplg/>

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* /opt/cola/permits/1139217237_1614469576.04/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtypefa41153/src/main/java/com/googlecode/jtype/DefaultParameterizedTypeTest.java
* /opt/cola/permits/1139217237_1614469576.04/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtypefa41153/src/main/java/com/googlecode/jtype/TypesTest.java
* /opt/cola/permits/1139217237_1614469576.04/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtypefa41153/src/main/java/com/googlecode/jtype/ClassSerializers.java
* /opt/cola/permits/1139217237_1614469576.04/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtypefa41153/src/main/java/com/googlecode/jtype/Utils.java

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Open Source Used In Virtualized Voice Browser 12.6(1) 1200
No license file was found, but licenses were detected in source scan.

<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

Found in path(s):
* /opt/cola/permits/1139217237_1614469576.04/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtype-fa41153/pom.xml

1.113 jakarta-validation-api 2.0.2
1.113.1 Available under license:
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1.114 zlib 1.0.4

1.114.1 Available under license:

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// one allocated and free to use, and we maintain at most two

Found in path(s):
* /opt/cola/permits/1126069930_1611559098.42/0/kpanuragh-zlib-1-0-4-0-g2d7b94e-tar-gz/kpanuragh-zlib-
2d7b94e/index.js

1.115 gobject-introspection 1.56.1-1.el7

1.115.1 Available under license:

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Pod::Spec.new do |s|
  s.name = "DCPathButton"
  s.version = "2.1.1"
  s.summary = " A beautiful button copy from Path® "

  s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :)  

DESC

  s.homepage = "https://github.com/Tangdixi/DCPathButton"

  s.license = {
    :type => 'MIT',
    :text => 'The DCPathButton use the MIT license'
  }

```
s.author = { "Tangdixi" => "Tangdixi@gmail.com" }
s.platform = :ios, '7.0'
s.source = {
  :git => "https://github.com/Tangdixi/DCPathButton.git",
  :tag => "2.1.1"
}
s.source_files = 'DCPathButton/Classes/*/.{h,m}'
s.resources = ['DCPathButton/Sounds/*']
s.frameworks = 'QuartzCore', 'AudioToolbox'
s.requires_arc = true
end

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton/Classes/DCPathButton.h
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1.125 jspglassfish 2.1.v20100127

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- javaee_web_services_client_1_3.xsd
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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

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include/GL/g1.h :

Mesa 3-D graphics library

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*****************************************************************************

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include/GL/glext.h
include/GL/glxtext.h
include/GL/wglxext.h

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static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
   * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
   *
   * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
   * http://www.hypermall.com/
   * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
   * interrupts us (except possibly for removal/insertion of the cable?)
   * 10/4/97 - began heavy inline documentation of the code. Corrected typos
   * and spelling mistakes.
   * 10/5/97 - added code to handle PHY interrupts, disable PHY on
   * loss of link, and correctly re-enable PHY when link is
   * re-established. (put back CFG_PHYIE)
   *
   * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
   *
   * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* Linux driver for the IDT77201 NICStar PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt ! = 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
   * combined, allow nicstar_free_rx_skb to be called to
   * recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
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- for the nxt2004 frontend driver

- Kirk Lapray <kirk.lapray@gmail.com>

- for the or51211 and or51132 frontend drivers, and
  for merging the nxt2002 and nxt2004 modules into a
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(If you think you should be in this list, but you are not, drop a
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/PemValue.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
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1.140 crda 3.18

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1.141 jmxtterm 1.0-ccbu

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1.142 findutils 4.5.11 6.el7

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1.144 attr 1.1.0

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1.146 zlib 1.0.4

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1.147 antisamy 1.4.3

1.148 jackson-jaxrs-base 2.11.2

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1.150 audit 2.8.4 4.el7
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1.151 slf4j-log4j 1.7.25

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1.152 velocity 1.5

1.153 boost 1.53.0 27.el7

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<td align="center"><a href="../../../../libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
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</div>
<div class="section boost_typetraits_mpl">
<div class="titlepage"><div><div><h2 class="title" style="clear: both"><a name="boost_typetraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL Interoperability</a></h2></div></div></div>
<p>All the value based traits in this library conform to MPL’s requirements for an Integral Constant type: that includes a number of rather intrusive workarounds for broken compilers.</p>
<p>Purely as an implementation detail, this means that</p>
true_type inherits from boost\mpl\false_type, false_type inherits from boost\mpl\true_type, and integral_constant\<T\>, integral_constant\<T\,V\> inherits from boost\mpl\integral_c\<T\>,\<V\> (provided \(T\) is not \texttt{bool})
Maybe this should pass?

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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namespace boost {
    namespace interprocess {
        namespace ipcdetail {

            template <class T, T val>
            struct integral_constant {
                static const T value = val;
                typedef integral_constant<T,val> type;
            };

            template< bool C_> 
            struct bool_ : integral_constant<bool, C_> 
            {
                static const bool bool = C_; 
            };

        } // namespace ipcdetail
    } // namespace interprocess
} // namespace boost

#define BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP 

#ifdef _MSC_VER && (_MSC_VER >= 1200)
    #pragma once
#endif

#include <cstddef>

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//

--- end ---

//////////////////////////////////////////////////////////////////////////////
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// http://www.boost.org/LICENSE_1_0.txt)

ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

endif BOOST_INTERPROCESS_DETAIL_MPL_HPP

if (defined _MSC_VER) && (_MSC_VER >= 1200)
    # pragma once
endif

#include <cstddef>

namespace boost {
    namespace interprocess {
        namespace ipcdetail {

            template <class T, T val>
            struct integral_constant {
                static const T value = val;
                typedef integral_constant<T,val> type;
            };

            template< bool C_> 
            struct bool_ : integral_constant<bool, C_> 
            {
                static const bool bool = C_; 
            };

        } // namespace ipcdetail
    } // namespace interprocess
} // namespace boost

--- end ---

//////////////////////////////////////////////////////////////////////////////
typedef bool_<true>        true_;  
typedef bool_<false>       false_;  

typedef true_  true_type;  
typedef false_ false_type;  

typedef char yes_type;  
struct no_type
{
    char padding[8];
};  

template <bool B, class T = void>
struct enable_if_c  
{
    typedef T type;
};  

template <class T>
struct enable_if_c<false, T> {};  

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};  

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};  

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();  
    public:
        static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);  
};  

template<
    bool C,
    typename T1,
    typename T2
>
struct if_c
{
    typedef T1 type;
};
template<
    typename T1,
    typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1,
    typename T2,
    typename T3
>
struct if_<
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; } 
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};
template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

}  //namespace ipcdetail {
}  //namespace interprocess {
}  //namespace boost {

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
===========================================================================
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// Copyright (c) 2008-2011 Bruno Lalande, Paris, France.
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and comments are changed accordingly.

Index: boost/mpl/print.hpp

===================================================================
--- boost/mpl/print.hpp	(revision 83411)
+++ boost/mpl/print.hpp	(working copy)
@@ -45,22 +45,21 @@
   : mpl::identity<T>
 #if defined(__MWERKS__) 
   , aux::print_base
-  #endif
+ ="#endif
+  +#endif
+  {
+  
+  #if defined(BOOST_MSVC) 
+    enum { n = sizeof(T) + -1 }; 
+  #elif defined(__MWERKS__) 
+    void f(int);
+  -#else
+    - enum { 
+    -   n =
+    - # if defined(__EDG_VERSION__) 
+    -    aux::dependent_unsigned<T>::value > -1
+    - # else
+    -    sizeof(T) > -1
+    - # endif
+    - }
+  -#endif
  +#else 
  +#elif defined(__EDG_VERSION__) 
  +  enum { n = aux::dependent_unsigned<T>::value > -1 }; 
  +#elif defined(BOOST_GCC) 
  +  enum { n1 }; 
  +  enum { n2 }; 
  +  enum { n = n1 != n2 }; 
  +#else 
  +  enum { n = sizeof(T) > -1 }; 
  +#endif
  
  #if defined(BOOST_MSVC) 

Open Source Used In Virtualized Voice Browser 12.6(1) 1659
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
   #pragma once
#endif

#include <cstdlib>

namespace boost {
    namespace container {
        namespace container_detail {

            template <class T, T val>
            struct integral_constant {
                static const T value = val;
                typedef integral_constant<T,val> type;
            };

            template< bool C_ >
            struct bool_ : integral_constant<bool, C_>
            {
                static const bool value = C_; 
                operator bool() const { return bool_::value; } 
            };

            typedef bool_<true>        true_;
            typedef bool_<false>       false_; 
            typedef true_  true_type;
            typedef false_ false_type;

            typedef char yes_type;
            struct no_type
            {
            
            
        
    }
} // namespace container_detail
} // namespace container
} // namespace boost
#endif // BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
char padding[8];
;

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {
};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {}

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {}

template <class T, class U>
class is_convertible {
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
        enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };}
;

template<
    bool C
    , typename T1
    , typename T2
> struct if_c {
    typedef T1 type;
};

template<
    typename T1
    , typename T2
> struct if_c<false,T1,T2> {

typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_<
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x;   }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};
template<> struct ls_zeros<1> {
    static const std::size_t value = 0;
};

template <typename T> struct unvoid { typedef T type; };
template <> struct unvoid<void> { struct type { }; };
template <> struct unvoid<const void> { struct type { }; };

}  //namespace container_detail
}  //namespace container
}  //namespace boost

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
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#pragma once

#include <boost/intrusive/detail/config_begin.hpp>
#include <cstddef>
namespace boost {
    namespace intrusive {
        namespace detail {
            typedef char one;
            struct two { one _[2];

            template< bool C_ >
            struct bool_ {
                static const bool value = C_;
typedef bool_<true>        true_;  
typedef bool_<false>       false_;  

typedef true_  true_type;  
typedef false_ false_type;  

typedef char yes_type;  
struct no_type  
{  
    char padding[8];  
};  

template <bool B, class T = void>  
struct enable_if_c {  
    typedef T type;  
};  

template <class T>  
struct enable_if_c<false, T> {};  

template <class Cond, class T = void>  
struct enable_if : public enable_if_c<Cond::value, T> {};  

template<class F, class Param>  
struct apply  
{  
    typedef typename F::template apply<Param>::type type;  
};  

template <class T, class U>  
class is_convertible  
{  
    typedef char true_t;  
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);  
    static false_t dispatch(...);  
    static const T &trigger();  
    public:  
        static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);  
};  

template<  
    bool C  
    , typename T1  
    , typename T2  
    >
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename C
    , typename T1
    , typename T2
>
struct if_<
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

template<
    bool C
    , typename F1
    , typename F2
>
struct eval_if_c
    : if_c<C,F1,F2>::type
{1};

template<
    typename C
    , typename T1
    , typename T2
>
struct eval_if
    : if_<C,T1,T2>::type
{1};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};
#if defined(BOOST_MSVC) || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TTDECL
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) && !defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{  static const bool value = false; };

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)()>
{  static const bool value = true;  };

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{  static const bool value = true;  };
#endif // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS


template <typename R>
struct is_unary_or_binary_function_impl<__stdcall*>(R ()*)
{  static const bool value = true;  };

#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<__fastcall*>(R ()*)
{  static const bool value = true;  };
#endif

#endif

template <typename R>
struct is_unary_or_binary_function_impl<__cdecl*>(R ()*)
{  static const bool value = true;  };

template <typename R>
struct is_unary_or_binary_function_impl<__cdecl*>(...)
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{ static const bool value = true; };
#endif

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0...)>
{ static const bool value = true; };
#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{ static const bool value = true; };


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template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>  
{ static const bool value = true;  
};

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>  
{ static const bool value = true;  
};

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>  
{ static const bool value = true;  
};
#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1)>  
{ static const bool value = true;  
};

#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{ static const bool value = true;  
};

#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{ static const bool value = false;  
};

template< typename T>
struct is_unary_or_binary_function  
{ static const bool value = is_unary_or_binary_function_impl<T>::value;   
};

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative

template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
  char c;
  T t;
  alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template <typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

template <typename V>
static yes_type is_same_tester(V*, V*);
static no_type is_same_tester(...);

    static T *t;
    static U *u;

    static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{  typedef const T type;   };

template<typename T>
struct remove_const
{  typedef  T type;   };

template<typename T>
struct remove_const<const T>
{  typedef T type;   };

template<typename T>
struct remove_cv
{  typedef  T type;   };

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template<typename T>
struct remove_cv<const T>
{  typedef T type;   };

template<typename T>
struct remove_cv<const volatile T>
{  typedef T type;   };

template<typename T>
struct remove_cv<volatile T>
{  typedef T type;   };

template<class T>
struct remove_reference
{  
    typedef T type;
};

template<class T>
struct remove_reference<T&>
{  
    typedef T type;
};

template<class Class>
class is_empty_class
{  
    template <typename T>
    struct empty_helper_t1 : public T
    {  
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    { int i[256]; };

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct ls_zeros
{  
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};
template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements
for an [Integral Constant type]: that includes a number of
rather intrusive
workarounds for broken compilers.

Purely as an implementation detail, this
means that `__true_type` inherits from [boost::mpl::true_],
`__false_type` inherits
from [boost::mpl::false_], and `__integral_constant<T, v>` inherits from
[boost::mpl::integral_c<T,v>] (provided `T` is not `bool`)

[endsect]
/*
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 * Boost Software License, Version 1.0. (See accompanying file
 * LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
 *
 */

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=" << (p.root / p.file).string() << "">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output."
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
        "<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"">
        "html">
        "\n" "<head">
        "\n" "<title>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</title">
        "\n" "$\<head]='
        "\n" "$\<body>
        "\n" "$\<H1>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "$</H1>
        "$\<H2>Contents</h2>$")
        "$\<pre><a href="#input">Input Information</a>$")
        "$\if(!m_bsl_summary_mode)
        os << " <a href="#summary">Licence Summary</a>$")
        os << " <a href="#details">Licence Details</a>$")
        "$\end";}
while(i != j)
{
    // title:
    os << "<A href="#" << make_link_target(licenses.first[i->first].license_name) << "">" << licenses.first[i->first].license_name << "</a>
";
    ++i;
}

os << "Files with no recognised license</a>\n"
  "Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os << "Moving to the Boost Software License...\n"
    "Files that can be automatically converted to the Boost Software License</a>\n"
    "Files that can be manually converted to the Boost Software License</a>\n"
    "Files that can NOT be moved to the Boost Software License</a>\n"
    "Authors we need to move to the Boost Software License</a>\n"
    "Copyright Holder Information</a>\n"
;
}

os << "File Dependency Information</a>\n"
"</pre>
"

//
// input Information:
//

os << "The following files were scanned for boost dependencies:<BR>";
else
    os << "The following Boost modules were checked:<BR>
"

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>
";
    ++si;
}

os << "The Boost path was: <code>" << m_boost_path.string() << "</code>
"

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
```cpp
//
// output each license:
//
// i = m_license_data.begin();
// j = m_license_data.end();
if(!m_bsl_summary_mode)
{
   // start with the summary:
   //
   os << "<h2>Licence Summary</h2>";
   while(i != j)
   {
      // title:
      os << "<h3>" << licenses.first[i->first].license_name << "</h3>";
      // license text:
      os << "<blockquote>" << licenses.first[i->first].license_text << "</blockquote>";
      // Copyright holders:
      os << "<p>This license is used by " << i->second.authors.size()
      << " authors and " << i->second.files.size()
      << " files (<a href="" << make_link_target(licenses.first[i->first].license_name) << "">see details</a>)");
      os << "</p>";
      ++i;
   }
   // and now the details:
   //
   i = m_license_data.begin();
   j = m_license_data.end();
   int license_index = 0;
   os << "<h2>Licence Details</h2>";
   while(i != j)
   {
      // title:
      os << "<h3>&lt;A name="" << make_link_target(licenses.first[i->first].license_name) << "">" << licenses.first[i->first].license_name << "</h3>";
```

---

**Open Source Used In Virtualized Voice Browser 12.6(1)** 1676
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
    // Copyright holders:
    os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:";
    std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR>";
    ++x;
}
os << "</P></BLOCKQUOTE>
";
    // Files using this license:
    os << "<P>This license applies to the following " << i->second.files.size() << " files:";
    std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>";
    ++m;
}
os << "</P></BLOCKQUOTE>
";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).";
    os << "This license applies to " << i->second.files.size() << " files (list omitted for brevity).";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name="files">Files With No Recognisable Licence</a></h2>
";
    // The following " << m_unknown_licenses.size() << " files had no recognisable license information:";
    std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{

os << split_path(m_boost_path, *i2) << "<br>\n";
++i2;
} os << "</p></BLOCKQUOTE>
;
// Output list of files with no found copyright holder:
// os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2>
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</p></BLOCKQUOTE><P>

i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>\n";
  ++i2;
}
os << "</p></BLOCKQUOTE>
;
if(!m_bsl_summary_mode)
{
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
  // verification.
  // os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2>
  << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:</p><n";
  if (!m_converted_to_bsl.empty())
  {
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
ie = m_converted_to_bsl.end();
int file_num = 1;
while (i != ie)
{
  os << "<P>"[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
  << "</tt>\n<table border="1">\n<tr><td><pre>" << i->second.first << "</pre></td><td><pre>" << i->second.second << "</pre></td><tr></table>\n";
++i;
++file_num;
}
}
// Output list of files that could be moved over to the Boost Software License
Files that could be converted to the Boost Software License:

The following files could be manually converted to the Boost Software License, but have not yet been:

```

// Output list of files that can not be moved over to the Boost Software License

os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2>

The following files cannot be converted to the Boost Software License because we need the permission of more authors:

```

// Output list of authors that we need permission for to move to the BSL

Authors we need for the BSL:

Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>.

```

// output a table of copyright information:

```

Copyright Holder Information:

```

fi = ad->second.begin();
efi = ad->second.end();
while(fi != efi)
{
    os << split_path(m_boost_path, *fi) << " ";
    ++fi;
}
os << "</td></tr><n";    
++ad;
}
os << "</table>n";
}

// output file dependency information:
// os << "<H2><a name="depend"></a>File Dependency Information</H2><BLOCKQUOTE><pre>
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
    ::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps:
if (dep != last_dep)
    while(true)
    {
        os << " -> ";
        if(fs::exists(m_boost_path / dep->second))
            os << split_path(m_boost_path, dep->second);
        else if(fs::exists(dep->second))
            os << split_path(fs::path(), dep->second);
        else
            os << dep->second.string();
        if(seen_deps.find(dep->second) != seen_deps.end())
        {
            os << " <I>(Circular dependency!)</I>";
            break; // circular dependency!!!
        }
        seen_deps.insert(dep->second);
        last_dep = dep;
        dep = m_dependencies.find(dep->second);
        if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
            break;
    }
    os << "\n";
++fi;
}

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ",.
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

1.154 busybox 1.19.4
1.154.1 Available under license:
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bzip2/libbzip2 version 1.0.4 of 20 December 2006
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* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1- jar/org/springframework/orm/jpa/LocalEntityManagerFactoryBean.java
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* Create a transactional EntityManager proxy for the given EntityManagerFactory.
* @param emf EntityManagerFactory to obtain EntityManagers from as needed
* @param properties the properties to be passed into the
* <code>createEntityManager</code> call (may be <code>null</code>)
* @param entityManagerInterfaces the interfaces to be implemented by the
* EntityManager. Allows the addition or specification of proprietary interfaces.
* @return a shareable transactional EntityManager proxy
*/

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* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1-jar/org/springframework/orm/jdo/LocalPersistenceManagerFactoryBean.java
* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1-jar/org/springframework/orm/jdo/LocalDataSourceConnectionProvider.java
* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1-jar/org/springframework/orm/jdo/PersistenceManagerFactoryUtils.java
* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1-jar/org/springframework/orm/jdo/SpringSessionSynchronization.java
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* /opt/cola/permits/1138131224_1614265668.82/0/spring-orm-3-0-5-release-sources-1-jar/org/springframework/orm/jdo/support/OpenEntityManagerInViewFilter.java
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This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 9. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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reimplemented pthread_once with the same form
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implementation of MCS (Mellor-Crummey/Scott) locks.

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   the Bitstream Vera font family. Please contact us if you have such
   additions. Note, that in general, we will want such additions for the
   entire family, not just a single font, and that you'll have to keep
   both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add
   glyphs to the font, they must be stylistically in keeping with Vera's
   design. Vera cannot become a "ransom note" font. Jim Lyles will be
   providing a document describing the design elements used in Vera, as a
   guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

   Sure. Bundle the fonts with your software and sell your software
   with the fonts. That is the intent of the copyright.

8. If applications have built the names "Bitstream Vera" into them,
   can I override this somehow to use fonts of my choosing?

   This depends on exact details of the software. Most open source
   systems and software (e.g., Gnome, KDE, etc.) are now converting to
   use fontconfig (see www.fontconfig.org) to handle font configuration,
   selection and substitution; it has provisions for overriding font
   names and substituting alternatives. An example is provided by the
   supplied local.conf file, which chooses the family Bitstream Vera for
   "sans", "serif" and "monospace". Other software (e.g., the XFree86
   core server) has other mechanisms for font substitution.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
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directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
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least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
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c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
# This file contains a list of people who've made non-trivial contribution to the Google C++ Testing Framework project. People who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

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Version 2.1, February 1999

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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1.172 jackson-mapper-asl 1.7.4

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/* Jackson JSON-processor.
 *
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1083649650_1598291244.98/0/jackson-mapper-asl-1-7-4-sources-2-jar/org/codehaus/jackson/map/MappingJsonFactory.java
1.173 xfsdump 3.1.7-1.el7

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1.176 compatgss32 3.2.3

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That's all there is to it!

# Exactly the same as t-mips, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX...
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mitaim.mitia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bde@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agic@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.187 libjpeg 1.2.90-6.el7
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 * rdswitch.c
 *
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 *
 * This file contains routines to process some of cjpeg's more complicated
 * command-line switches. Switches processed here are:
 *-qtables fileRead quantization tables from text file
*-scans file
Read scan script from text file
*-quality N[,N,...] Set quality ratings
*-qslots N[,N,...] Set component quantization table selectors
*-sample HxV[,HxV,...] Set component sampling factors
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/rdswitch.c
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/*
* transupp.h
*
* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
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* 
* This file contains declarations for image transformation routines and
* other utility code used by the jpegtran sample application. These are
* NOT part of the core JPEG library. But we keep these routines separate
* from jpegtran.c to ease the task of maintaining jpegtran-like programs
* that have other user interfaces.
* 
* NOTE: all the routines declared here have very specific requirements
* about when they are to be executed during the reading and writing of the
* source and destination files. See the comments in transupp.c, or see
* jpegtran.c for an example of correct usage.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfmmxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jimmxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfss2int.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jiss2int-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
/*
 * jdtrans.c
 *
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 *
 * This file contains library routines for transcoding decompression,
 * that is, reading raw DCT coefficient arrays from an input JPEG file.
 * The routines in japimin.c will also be needed by a transcoder.
 */

Found in path(s):
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jdtrans.c
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/*
 * jinclude.h
 *
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 *
 * This file exists to provide a single place to fix any problems with
 * including the wrong system include files.  (Common problems are taken
 * care of by the standard jconfig symbols, but on really weird systems
 * you may have to edit this file.)
 *
 * NOTE: this file is NOT intended to be included by applications using the
 * JPEG library.  Most applications need only include jpeglib.h.
 */

Found in path(s):
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jinclude.h
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/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a floating-point implementation of the inverse DCT (Discrete Cosine Transform). In the IJG code, this routine must also perform dequantization of the input coefficients.
* This implementation should be more accurate than either of the integer IDCT implementations. However, it may not give the same results on all machines because of differences in roundoff behavior. Speed will depend on the hardware's floating point capacity.
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.
* This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M. While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself. The primary disadvantage of this method is that with a fixed-point implementation, accuracy is lost due to imprecise representation of the scaled quantization values. However, that problem does not arise if we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctflt.c

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* jdmerge.c
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*
* This file contains code for merged upsampling/color conversion.

* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.

* When the chroma components are to be upsampled by simple replication
* (ie, box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
  
  *R = Y + K1 * Cr
  *G = Y + K2 * Cb + K3 * Cr
  *B = Y + K4 * Cb

* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.

* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmerge.c

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and

\"
big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/ReadMe.rtf
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/*
 * jdatadst.c
 *
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 * Modified 2009-2012 by Guido Vollbeding.
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 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
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; for more details.

Found in path(s):
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turbo-1.2.90/simd/jfss2fst.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jiss2fst-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jfmmxfst.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
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 * wrjpgcom.c
 *
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 *
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2.90/simd/jimmxfst.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2.90/simd/jiss2fst.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2.90/simd/jfss2fst-64.asm

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 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-decompression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_decompress, it will end up linking in the entire decompressor.
 * We thus must separate this file from jdapimin.c to avoid linking the
 * whole decompression library into a transcoder.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2.90/wrjpgcom.c

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/*
 * jutils.c
 *
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 *
 * This file contains tables and miscellaneous utility routines needed
 * for both compression and decompression.
 * Note we prefix all global names with "j" to minimize conflicts with
 * a surrounding application.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.

/*
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications.  As they stand, they assume input from
 * an ordinary stdio stream.  They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/rdrle.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemsys.h
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 */
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This include file defines the interface between the system-independent
and system-dependent portions of the JPEG memory manager. No other
modules need include it. (The system-independent portion is jmemmgr.c;
there are several different versions of the system-dependent portion.)

This file works as-is for the system-dependent memory managers supplied
in the IJG distribution. You may need to modify it if you write a
custom memory manager. If system-dependent changes are needed in
this file, the best method is to #ifdef them based on a configuration
symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
and USE_MAC_MEMMGR.

Found in path(s):
/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/jmemsys.h

No license file was found, but licenses were detected in source scan.

USING THE IJG JPEG LIBRARY

This file was part of the Independent JPEG Group's software:
Copyright (C) 1994-2011, Thomas G. Lane, Guido Vollbeding.
Modifications:
Copyright (C) 2010, D. R. Commander.
For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application
program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the
JPEG library. Also see jpeglib.h (the include file to be used by application
programs) for full details about data structures and function parameter lists.
The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface
presented by IJG version 4 and earlier versions. The old design had several
inherent limitations, and it had accumulated a lot of cruft as we added
features while trying to minimize application-interface changes. We have
sacrificed backward compatibility in the version 5 rewrite, but we think the
improvements justify this.

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You should read at least the overview and basic usage sections before trying
to program with the library. The sections on advanced features can be read
if and when you need them.

OVERVIEW
========

Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image
files. The surrounding application program receives or supplies image data a
scanline at a time, using a straightforward uncompressed image format. All
details of color conversion and other preprocessing/postprocessing can be
handled by the library.

The library includes a substantial amount of code that is not covered by the
JPEG standard but is necessary for typical applications of JPEG. These
functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:

- Hierarchical storage
- Lossless JPEG
- DNL marker
- Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object
A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility.

The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression
or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

**BASIC LIBRARY USAGE**

Data formats

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.
The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPARRAYs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
-------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.
You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```c
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().
3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

- image_width: Width of image, in pixels
- image_height: Height of image, in pixels
- input_components: Number of color channels (samples per pixel)
- in_color_space: Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```
cinfo.image_width = Width; /* image width and height, in pixels */
cinfo.image_height = Height;
cinfo.input_components = 3; /* # of color components per pixel */
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

jpeg_set_defaults(&cinfo);
/* Make optional parameter settings here */
```

4. jpeg_start_compress(...);

After you have established the data destination and set all the necessary source image info and other parameters, call jpeg_start_compress() to begin a compression cycle. This will initialize internal state, allocate working
storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```
jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called `jpeg_start_compress()`, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
```
jpeg_write_scanlines(…);
```

Now write all the required image data by calling `jpeg_write_scanlines()` one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language…) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data. `example.c` shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
```

row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
jpeg_write_scanlines(&cinfo, row_pointer, 1);
}

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.
In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination.
jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target.
If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image
dimensions freely between cycles, but if you change the input colorspace, you
should call jpeg_set_defaults() to adjust for the new colorspace; and then
you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling
jpeg_destroy_compress(). This will free all subsidiary memory (regardless of
the previous state of the object). Or you can call jpeg_destroy(), which
works for either compression or decompression objects --- this may be more
convenient if you are sharing code between compression and decompression
cases. (Actually, these routines are equivalent except for the declared type
of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy()
should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing
it is your responsibility --- jpeg_destroy() won’t. Ditto for the error
handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up
in either of two ways:

* If you don’t need the JPEG object any more, just call
jpeg_destroy_compress() or jpeg_destroy() to release memory. This is
legitimate at any point after calling jpeg_create_compress() --- in fact,
it’s safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call
jpeg_abort() which works on both compression and decompression objects.
This will return the object to an idle state, releasing any working memory.
jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your
responsibility; neither of these routines will call term_destination().
(See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG
object that has reported an error by calling error_exit (see "Error handling"
for more info). The internal state of such an object is likely to be out of
whack. Either of these two routines will return the object to a known state.
Decompression details
---------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

    struct jpeg_decompress_struct cinfo;
    struct jpeg_error_mgr jerr;
    ...
    cinfo.err = jpeg_std_error(&jerr);
    jpeg_create_decompress(&cinfo);

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

    FILE * infile;
    ...
    if ((infile = fopen(filename, "rb")) == NULL) {
        fprintf(stderr, "can't open %s\n", filename);
        exit(1);
    }
    jpeg_stdio_src(&cinfo, infile);

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use
a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.
If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

output_width	image width and height, as scaled
output_height
out_color_components	# of color components in out_color_space
output_components	# of color components returned per pixel
colormap	the selected colormap, if any
actual_number_of_colors

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers before calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You
can make them valid by calling jpeg_calc_output_dimensions() after setting the
relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
   jpeg_read_scanlines(...);

   Now you can read the decompressed image data by calling jpeg_read_scanlines()
one or more times. At each call, you pass in the maximum number of scanlines
to be read (ie, the height of your working buffer); jpeg_read_scanlines()will return up to that many lines. The return value is the number of lines
actually read. The format of the returned data is discussed under "Data
formats", above. Don't forget that grayscale and color JPEGs will return
different data formats!

   Image data is returned in top-to-bottom scanline order. If you must write
out the image in bottom-to-top order, you can use the JPEG library's virtual
array mechanism to invert the data efficiently. Examples of this can be
found in the sample application djpeg.

   The library maintains a count of the number of scanlines returned so far
in the output_scanline field of the JPEG object. Usually you can just use
this variable as the loop counter, so that the loop test looks like
"while (cinfo.output_scanline < cinfo.output_height)". (Note that the test
should NOT be against image_height, unless you never use scaling. The
image_height field is the height of the original unscaled image.)
The return value always equals the change in the value of output_scanline.

   If you don't use a suspending data source, it is safe to assume that
jpeg_read_scanlines() reads at least one scanline per call, until the
bottom of the image has been reached.

   If you use a buffer larger than one scanline, it is NOT safe to assume that
jpeg_read_scanlines() fills it. (The current implementation returns only a
few scanlines per call, no matter how large a buffer you pass.) So you must
always provide a loop that calls jpeg_read_scanlines() repeatedly until the
whole image has been read.

7. jpeg_finish_decompress(...);

   After all the image data has been read, call jpeg_finish_decompress() to
complete the decompression cycle. This causes working memory associated
with the JPEG object to be released.

   Typical code:

   jpeg_finish_decompress(&cinfo);
If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or jpeg_destroy() if you don't need the JPEG object any more, or jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmmorecfg.h.
The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES
==================

Compression parameter selection
---------------------------------

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG
libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

`jpeg_set_defaults (j_compress_ptr cinfo)`
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field `in_color_space`, which must already be set in `cinfo`). Many applications will only need to use this routine and perhaps `jpeg_set_quality()`.

`jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)`
Sets the JPEG file's colorspace (field `jpeg_color_space`) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call `jpeg_set_colorspace()` before rather than after.

`jpeg_default_colorspace (j_compress_ptr cinfo)`
Selects an appropriate JPEG colorspace based on `cinfo->in_color_space`, and calls `jpeg_set_colorspace()`. This is actually a subroutine of `jpeg_set_defaults()`. It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

`jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)`
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the `force_baseline` parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when `force_baseline` is FALSE, but other decoders may not be.

`jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)`
Same as `jpeg_set_quality()` except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus `scale_factor = 100` reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not
recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
[libjpeg v7+ API/ABI emulation only]
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl,
    const unsigned int *basic_table,
    int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE). CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results
on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

```c
J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice. NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

```c
boolean write_JFIF_header
```

If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

```c
UINT8 JFIF_major_version
UINT8 JFIF_minor_version
```

The version number to be written into the JFIF marker. jpeg_set_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

```c
UINT8 density_unit
UINT16 X_density
UINT16 Y_density
```

The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

```c
boolean write_Adobe_marker
```

If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

```c
JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TLBS]
```

Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

```c
int q_scale_factor[NUM_QUANT_TLBS]
```

[libjpeg v7+ API/ABI emulation only] Linear quantization scaling factors (0-100, default 100) for use with jpeg_default_qtables(). See rdswitch.c and cjpeg.c for an example of usage. Note that the q_scale_factor[] values use "linear" scales, so JPEG quality levels chosen by the user must be converted to these scales.
using jpeg_quality_scaling(). Here is an example that corresponds to 
cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: Setting separate quality levels for chrominance and luminance
is mainly only useful if chrominance subsampling is disabled. 2x2
chrominance subsampling (AKA "4:2:0") is the default, but you can
explicitly disable subsampling as follows:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
Pointers to Huffman coding tables, one per table slot, or NULL if
no table is defined for a slot. Slots 0 and 1 are filled with the
JPEG sample tables by jpeg_set_defaults(). If you need to allocate
more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image
by setting optimize_coding, as discussed above; there's seldom
any need to mess with providing your own Huffman tables.

[libjpeg v7+ API/ABI emulation only]
The actual dimensions of the JPEG image that will be written to the file are
given by the following fields. These are computed from the input image
dimensions and the compression parameters by jpeg_start_compress(). You can
also call jpeg_calc_jpeg_dimensions() to obtain the values that will result
from the current parameter settings. This can be useful if you are trying
to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width
Actual dimensions of output image.
JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for
component number i. Note that components here refer to components of the
JPEG color space, *not* the source image color space. A suitably large
comp_info[] array is allocated by jpeg_set_defaults(); if you choose not
to use that routine, it's up to you to allocate the array.
int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
-----------------------------------

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image_widthWidth and height of image
The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

J_COLOR_SPACE out_color_space
Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE no dithering: fast, very low quality
JDITHER_ORDERED ordered dither: moderate speed and quality
JDITHER_FS Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself.
[Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by jpeg_finish_decompress(). Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.
boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding
progressive JPEG files; if FALSE, not. Default is TRUE. Early
progression stages look "fuzzy" with smoothing, "blocky" without.
In any case, block smoothing ceases to be applied after the first few
AC coefficients are known to full accuracy, so it is relevant only
when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is
described in its own section below.

The output image dimensions are given by the following fields. These are
computed from the source image dimensions and the decompression parameters
by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions()
to obtain the values that will result from the current parameter settings.
This can be useful if you are trying to pick a scaling ratio that will get
close to a desired target size. It's also important if you are using the
JPEG library's memory manager to allocate output buffer space, because you
are supposed to request such buffers *before* jpeg_start_decompress().

JDIMENSION output_width
Actual dimensions of output image.
JDIMENSION output_height
int out_color_components
Number of color components in out_color_space.
int output_components
Number of color components returned.
int rec_outbuf_height
Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map
index per pixel. Otherwise it equals out_color_components. The output arrays
are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the
buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the
library will still work, but time will be wasted due to unnecessary data
copying. In high-quality modes, rec_outbuf_height is always 1, but some
faster, lower-quality modes set it to larger values (typically 2 to 4).
If you are going to ask for a high-speed processing mode, you may as well
go to the trouble of honoring rec_outbuf_height so as to avoid data copying.
(An output buffer larger than rec_outbuf_height lines is OK, but won't
provide any material speed improvement over that height.)

Special color spaces
------------------
The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB \(\Rightarrow\) YCbCr and CMYK \(\Rightarrow\) YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field `in_color_space`. This is transformed to the JPEG file's color space given by `jpeg_color_space`. `jpeg_set_defaults()` chooses a reasonable JPEG color space depending on `in_color_space`, but you can override this by calling `jpeg_set_colorspace()`. Of course you must select a supported transformation. `jcolor.c` currently supports the following transformations:

- RGB \(\Rightarrow\) YCbCr
- RGB \(\Rightarrow\) GRAYSCALE
- YCbCr \(\Rightarrow\) GRAYSCALE
- CMYK \(\Rightarrow\) YCCK

plus the null transforms: GRAYSCALE \(\Rightarrow\) GRAYSCALE, RGB \(\Rightarrow\) RGB, YCbCr \(\Rightarrow\) YCbCr, CMYK \(\Rightarrow\) CMYK, YCCK \(\Rightarrow\) YCCK, and UNKNOWN \(\Rightarrow\) UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. `jpeg_set_colorspace()` will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space.

For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting `in_color_space` and `jpeg_color_space` to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for `jpeg_set_colorspace()`, in `jcpam.c`, for details.

For decompression, the JPEG file's color space is given in `jpeg_color_space`, and this is transformed to the output color space `out_color_space`. `jpeg_read_header`'s setting of `jpeg_color_space` can be relied on if the file

---

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conforms to JFIF or Adobe conventions, but otherwise it is no better than a
guess. If you know the JPEG file's color space for certain, you can override
jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also
selects a default output color space based on (its guess of) jpeg_color_space;
set out_color_space to override this. Again, you must select a supported
transformation. jdcolor.c currently supports
YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an
application can force grayscale JPEGs to look like color JPEGs if it only
wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data
(it weights distances appropriately for RGB colors). You'll need to modify
the code if you want to use it for non-RGB output color spaces. Note that
jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG
files: 0 represents 100% ink coverage, rather than 0% ink as you’d expect.
This is arguably a bug in Photoshop, but if you need to work with Photoshop
CMYK files, you will have to deal with it in your application. We cannot
"fix" this in the library by inverting the data during the CMYK<=>YCCK
transform, because that would break other applications, notably Ghostscript.
Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK
data in the same inverted-YCCK representation used in bare JPEG files, but
the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in
EPS/JPEG files, and will omit the PS-level inversion. (But the data
polarity used in bare JPEG files will not change in 3.0.) In either case,
the JPEG library must not invert the data itself, or else Ghostscript would
read these EPS files incorrectly.

Error handling
-------------

When the default error handler is used, any error detected inside the JPEG
routines will cause a message to be printed on stderr, followed by exit().
You can supply your own error handling routines to override this behavior
and to control the treatment of nonfatal warnings and trace/debug messages.
The file example.c illustrates the most common case, which is to have the
application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through
the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a
damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating
the importance of the message; you can control the verbosity of the
program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module
(err.c) with your own code. However, you can avoid code duplication by
only replacing some of the routines depending on the behavior you need.
This is accomplished by calling jpeg_std_error() as usual, but then overriding
some of the method pointers in the jpeg_error_mgr struct, as illustrated by
example.c.

All of the error handling routines will receive a pointer to the JPEG object
(a j_common_ptr which points to either a jpeg_compress_struct or a
jpeg_decompress_struct; if you need to tell which, test the is_decompressor
field). This struct includes a pointer to the error manager struct in its
"err" field. Frequently, custom error handler routines will need to access
additional data which is not known to the JPEG library or the standard error
handler. The most convenient way to do this is to embed either the JPEG
object or the jpeg_error_mgr struct in a larger structure that contains
additional fields; then casting the passed pointer provides access to the
additional fields. Again, see example.c for one way to do it. (Beginning
with IJG version 6b, there is also a void pointer "client_data" in each
JPEG object, which the application can also use to find related data.
The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to
generate the error message has been stored in cinfo->err; call
output_message to display it. Control must NOT return to the caller;
generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit()
default behavior. Note that if you continue processing, you should
clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages
somewhere other than stderr. Note that this method does not know
how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info
stored in cinfo->err. This method is called by output_message. Few
applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so, calls output_message. The main reason for overriding this method would be to abort on warnings. msg_level is -1 for warnings, 0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field err->jpeg_message_table. The messages are numbered from 0 to err->last_jpeg_message, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German) by changing the message table pointer. See jerror.h for the default texts. CAUTION: this table will almost certainly change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer err->addon_message_table and the message numbers err->first_addon_message and err->last_addon_message. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications cjpeg/djpeg for an example of using addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h:
ERREXITn(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the error handler struct, then invoke the error_exit() or emit_message() method. The variants of each macro are for varying numbers of additional parameters. The additional parameters are inserted into the generated message using standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a
memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```c
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;      /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

```c
init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.
```

```c
empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and
```
return TRUE indicating that the buffer has been dumped.
free_in_buffer must be set to a positive value when TRUE is
returned. A FALSE return should only be used when I/O suspension is
desired (this operating mode is discussed in the next section).

term_destination (j_compress_ptr cinfo)
Terminate destination --- called by jpeg_finish_compress() after all
data has been written. In most applications, this must flush any
data remaining in the buffer. Use either next_output_byte or
free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you
want the destination manager to be cleaned up during an abort, you must do it
yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its
method pointers, and insert a pointer to the struct into the "dest" field of
the JPEG compression object. This can be done in-line in your setup code if
you like, but it's probably cleaner to provide a separate routine similar to
the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination
managers.

Decompression source managers follow a parallel design, but with some
additional frammishes. The source manager struct contains a pointer and count
defining the next byte to read from the work buffer and the number of bytes
remaining:

const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer;         /* # of bytes remaining in buffer */

The library increments the pointer and decrements the count until the buffer
is emptied. The manager's fill_input_buffer method must reset the pointer and
count. In most applications, the manager must remember the buffer's starting
address and total size in private fields not visible to the library.

A data source manager provides five methods:

init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any
data is actually read. Unlike init_destination(), it may leave
bytes_in_buffer set to 0 (in which case a fill_input_buffer() call
will occur immediately).

fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more
data is wanted. In typical applications, it should read fresh data
into the buffer (ignoring the current state of next_input_byte and
bytes_in_buffer), reset the pointer & count to the start of the
buffer, and return TRUE indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. bytes_in_buffer MUST be set to a positive value if TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should be advanced over num_bytes input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. bytes_in_buffer may be zero on return. A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, jpeg_resync_to_restart(). However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the read_restart_marker() and jpeg_resync_to_restart() routines in jdmarker.c if you think you'd like to implement your own resync procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the
jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be
Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.
Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated
memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support
--------------------------

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main
reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:
When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode
---------------------

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

```c
jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE; /* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
   adjust output decompression parameters if required
   jpeg_start_output() /* start a new output pass */
   for (all scanlines in image) {
      jpeg_read_scanlines()
      display scanlines
   }
   jpeg_finish_output() /* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```

This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make.
and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically

while (! jpeg_input_complete(&cinfo))
and the start-output call should read

jpeg_start_output(&cinfo, cinfo.input_scan_number);

The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()).

With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine jpeg_consume_input().

The return value is one of the following:

- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)
The library's output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:

* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the cinfo.output_scan_number field. The library's output processing calls jpeg_consume_input() whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.)

When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without
waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);
```

rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
```

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop
will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by
calling jpeg_input_complete()).
jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress()
all return TRUE if they completed their tasks, FALSE if they had to suspend.
In the event of a FALSE return, the application must load more input data
and repeat the call. Applications that use non-suspending data sources need
not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the
buffered-image mode. The decoder library currently supports only very
limited changes of parameters. ONLY THE FOLLOWING parameter changes are
allowed after jpeg_start_decompress() is called:
* dct_method can be changed before each call to jpeg_start_output().
  For example, one could use a fast DCT method for early scans, changing
to a higher quality method for the final scan.
* dither_mode can be changed before each call to jpeg_start_output();
of course this has no impact if not using color quantization. Typically
  one would use ordered dither for initial passes, then switch to
  Floyd-Steinberg dither for the final pass. Caution: changing dither mode
can cause more memory to be allocated by the library. Although the amount
of memory involved is not large (a scanline or so), it may cause the
initial max_memory_to_use specification to be exceeded, which in the worst
case would result in an out-of-memory failure.
* do_block_smoothing can be changed before each call to jpeg_start_output().
  This setting is relevant only when decoding a progressive JPEG image.
  During the first DC-only scan, block smoothing provides a very "fuzzy" look
  instead of the very "blocky" look seen without it; which is better seems a
  matter of personal taste. But block smoothing is nearly always a win
during later stages, especially when decoding a successive-approximation
image: smoothing helps to hide the slight blockiness that otherwise shows
up on smooth gradients until the lowest coefficient bits are sent.
* Color quantization mode can be changed under the rules described below.
  You *cannot* change between full-color and quantized output (because that
  would alter the required I/O buffer sizes), but you can change which
  quantization method is used.

When generating color-quantized output, changing quantization method is a
very useful way of switching between high-speed and high-quality display.
The library allows you to change among its three quantization methods:
1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of
two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.
3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.
   (This is the default setting selected by jpeg_read_header, but it is
   probably NOT what you want for the first pass of progressive display!)
These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE:

- enable_1pass_quant: Fixed color cube colormap
- enable_external_quant: Externally-supplied colormap
- enable_2pass_quant: Two-pass custom colormap

All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:

1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

(These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read
target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images
============================================

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in
a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.
To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image.

If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example,
to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL */
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL */
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value
from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers.
Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scannelines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.)

For example, to write a user comment string pointed to by comment_text:

```
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension").

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:

1. You can ask the library to save the contents of COM and/or APPn markers...
into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call

jpeg_save_markers(cinfo, marker_code, length_limit)

where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.

(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by following the cinfo->marker_list pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed length_limit for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.
The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
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Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps.
The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression).

The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines
value must be at least max_v_samp_factor*DCTSIZE, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

cinfo->comp_info[i].width_in_blocks*DCTSIZE samples per row

cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCTSIZE samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is

cinfo->comp_info[0].h_samp_factor = 2 for Y

cinfo->comp_info[0].v_samp_factor = 2

cinfo->comp_info[1].h_samp_factor = 1 for Cb

cinfo->comp_info[1].v_samp_factor = 1

cinfo->comp_info[2].h_samp_factor = 1 for Cr

cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampling_width = 101 and width_in_blocks = 13 for Y,
downsampling_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0.
In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.
To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
-----------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().
When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()).
then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpegSuppressTables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
---------------------

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
long pass_counter;/* work units completed in this pass */
long pass_limit;/* total number of work units in this pass */
int completed_passes;/* passes completed so far */
int total_passes;/* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including)
pass_limit; the step size is usually but not necessarily 1. The pass_limit
value may change from one pass to another. The expected total number of
passes is in total_passes, and the number of passes already completed is in
completed_passes. Thus the fraction of work completed may be estimated as
completed_passes + (pass_counter/pass_limit)

--------------------------------------------
total_passes

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it
depends on the number of scans in the JPEG file, which isn't always known in
advance. The computed fraction-of-work-done may jump suddenly (if the library
discovers it has overestimated the number of scans) or even decrease (in the
opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work
estimate is likely to be completely unhelpful, because the library has no way
to know how many output passes will be demanded of it. Currently, the library
sets total_passes based on the assumption that there will be one more output
pass if the input file end hasn't yet been read (jpeg_input_complete() isn't
TRUE), but no more output passes if the file end has been reached when the
output pass is started. This means that total_passes will rise as additional
output passes are requested. If you have a way of determining the input file
size, estimating progress based on the fraction of the file that's been read
will probably be more useful than using the library's value.

Memory management

---------------

This section covers some key facts about the JPEG library's built-in memory
manager. For more info, please read structure.txt's section about the memory
manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the
memory manager. If necessary, you can replace the "back end" of the memory
manager to control allocation yourself (for example, if you don't want the
library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG
object is destroyed. Most data is allocated "per image" and is freed by
jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the
memory manager yourself to allocate structures that will automatically be
freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object.

Use alloc_large instead of alloc_small for anything bigger than a few Kbytes.

There are also alloc_sarray and alloc_barray routines that automatically
build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the
image's width, but not on its height, because the library ordinarily works
with "strip" buffers that are as wide as the image but just a few rows high.

Some operating modes (eg, two-pass color quantization) require full-image
buffers. Such buffers are treated as "virtual arrays": only the current strip
need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no
temporary files are used; virtual arrays are simply malloc()'d. Images bigger
than memory can be processed only if your system supports virtual memory.

The other memory manager back ends support temporary files of various flavors
and thus work in machines without virtual memory. They may also be useful on
Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for
its virtual arrays just big enough to stay within a "maximum memory" setting.
Your application can set this limit by setting cinfo->mem->max_memory_to_use
after creating the JPEG object. (Of course, there is still a minimum size for
the buffers, so the max-memory setting is effective only if it is bigger than
the minimum space needed.) If you allocate any large structures yourself, you
must allocate them before jpeg_start_compress() or jpeg_start_decompress() in
order to have them counted against the max memory limit. Also keep in mind
that space allocated with alloc_small() is ignored, on the assumption that
it's too small to be worth worrying about; so a reasonable safety margin
should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is
important to clean up the JPEG object properly to ensure that the temporary
files get deleted. (This is especially crucial with jmemdos.c, where the
"temporary files" may be extended-memory segments; if they are not freed,
DOS will require a reboot to recover the memory.) Thus, with these memory
managers, it's a good idea to provide a signal handler that will trap any
early exit from your program. The handler should call either jpeg_abort()
or jpeg_destroy() for any active JPEG objects. A handler is not needed with
jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either,
since the C library is supposed to take care of deleting files made with
tmpfile().

Memory usage
-------------
Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
----------------------------

A number of compile-time options are available by modifying jmorecfg.h.
The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.) At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int. You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don't need trace capability anyway, right?
Portability considerations

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we'd appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that

char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide

(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15
characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
---------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.
No license file was found, but licenses were detected in source scan.

/*
 * jdcolor.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009, 2011-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */

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/*
 * jidctred.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains inverse-DCT routines that produce reduced-size output:
 * either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
 *
 * The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)
 * algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step
 * with an 8-to-4 step that produces the four averages of two adjacent outputs
 * (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
 * These steps were derived by computing the corresponding values at the end
 * of the normal LL&M code, then simplifying as much as possible.
 *
 * 1x1 is trivial: just take the DC coefficient divided by 8.
 *
 * See jidctint.c for additional comments.
 */

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/*
 * jcolor.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input color space conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctred.c

No license file was found, but licenses were detected in source scan.

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains downsampling routines.
 *
 * Downsampling input data is counted in "row groups". A row group
 * is defined to be max_v_samp_factor pixel rows of each component,
 * from which the downsampler produces v_samp_factor sample rows.
 * A single row group is processed in each call to the downsampler module.
 *
 * The downsampler is responsible for edge-expansion of its output data
 * to fill an integral number of DCT blocks horizontally. The source buffer
 * may be modified if it is helpful for this purpose (the source buffer is
 * allocated wide enough to correspond to the desired output width).
 * The caller (the prep controller) is responsible for vertical padding.
 *
 * The downsampler may request "context rows" by setting need_context_rows
 * during startup. In this case, the input arrays will contain at least
 * one row group's worth of pixels above and below the passed-in data;
 * the caller will create dummy rows at image top and bottom by replicating
 * the first or last real pixel row.
 */
An excellent reference for image resampling is

The downsampling algorithm used here is a simple average of the source
pixels covered by the output pixel. The hi-falutin sampling literature
refers to this as a "box filter". In general the characteristics of a box
filter are not very good, but for the specific cases we normally use (1:1
and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
nearly so bad. If you intend to use other sampling ratios, you'd be well
advised to improve this code.

A simple input-smoothing capability is provided. This is mainly intended
for cleaning up color-dithered GIF input files (if you find it inadequate,
we suggest using an external filtering program such as pnmconvol). When
enabled, each input pixel P is replaced by a weighted sum of itself and its
eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
where SF = (smoothing_factor / 1024).
Currently, smoothing is only supported for 2h2v sampling factors.

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This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains the coefficient buffer controller for compression.
This controller is the top level of the JPEG compressor proper.
The coefficient buffer lies between forward-DCT and entropy encoding steps.

; jcolsamp.inc - private declarations for color conversion & up/downsampling
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; pseudo-resisters to make ordering of RGB configurable

%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif

%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7

%define xmmG xmm6
%define xmmH xmm7
%endif

; -----------------------------------------------------------------------------

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcolsamp.inc
No license file was found, but licenses were detected in source scan.

/*
*rdbmp.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2010 by Guido Vollbeding.
* Modifications:
* Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains routines to read input images in Microsoft "BMP"
* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
* Currently, only 8-bit and 24-bit images are supported, not 1-bit or
* 4-bit (feeding such low-depth images into JPEG would be silly anyway).
* Also, we don't support RLE-compressed files.
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
* 
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
jcmarker.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write JPEG datastream markers.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmarker.c

No license file was found, but licenses were detected in source scan.

/*
 * wrppm.c
 *
* Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrppm.c

No license file was found, but licenses were detected in source scan.

libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100 image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.
Images are available without any prohibitive copyright restrictions.

These images are (c) their respective owners. You are granted full redistribution and publication rights on these images provided:

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Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info


Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc-tj.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
/*
 * Copyright (C)2011-2012 D. R. Commander. All Rights Reserved.
 *
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 * modification, are permitted provided that the following conditions are met:
 *
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 *   contributors may be used to endorse or promote products derived from this
 *   software without specific prior written permission.
 *
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 * AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
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 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 * POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatasrc-tj.c

No license file was found, but licenses were detected in source scan.

Open Source Used In Virtualized Voice Browser 12.6(1) 2173
No license file was found, but licenses were detected in source scan.

/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the decompression postprocessing controller.
 * This controller manages the upsampling, color conversion, and color
 * quantization/reduction steps; specifically, it controls the buffering
 * between upsample/color conversion and color quantization/reduction.
 *
 * If no color quantization/reduction is required, then this module has no
 * work to do, and it just hands off to the upsample/color conversion code.
 * An integrated upsample/convert/quantize process would replace this module
 * entirely.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
 * jcdctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2011 D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the forward-DCT management logic.
 * This code selects a particular DCT implementation to be used,
 * and it performs related housekeeping chores including coefficient
 * quantization.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcdctmgr.c
No license file was found, but licenses were detected in source scan.

/*
* jccolext.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jccolext.c
No license file was found, but licenses were detected in source scan.

TurboJPEG Java Wrapper

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpegturbo/turbojpeg. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are
compressing or decompressing consists of images of the same size, then
pre-allocating the buffers is recommended.

Installation Directory

----------------------

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or
turbojpeg.dll) is not installed under a system library directory or under a
directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will
need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/java/README
No license file was found, but licenses were detected in source scan.

; jsimdext.inc - common declarations
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
; This software is provided 'as-is', without any express or implied
; warranty. In no event will the authors be held liable for any damages
; arising from the use of this software.
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;    claim that you wrote the original software. If you use this software
;    in a product, an acknowledgment in the product documentation would be
;    appreciated but is not required.
; 2. Altered source versions must be plainly marked as such, and must not be
;    misrepresented as being the original software.
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]
%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)---------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; ----(nasm -fwin64 -DWIN64 ...)---------
; * Microsoft Visual C++

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name			; foo() -> foo

%elifdef OBJ32; ----(nasm -fobj -DOBJ32 ...)--
; * Borland C++ (Win32)

; -- segment definition --

%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%elifdef ELF; ----(nasm -felf[64] -DELF ...)---------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; ELF supports PIC
%define EXTN(name) name

%elifdef AOUT; ----(nasm -faout/aout -DAOUT ...)----
; * Older Linux using a.out format  (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format  (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--------
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT .text :align=16; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL __MACHO_PIC__; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

%endif; -----------------------------------------------
; Common types
;
ifdef __x86_64__
define POINTER          qword     ; general pointer type
define SIZEOF_POINTER   SIZEOF_QWORD ; sizeof(POINTER)
define POINTER_BIT     QWORD_BIT  ; sizeof(POINTER)*BYTE_BIT
else
define POINTER          dword     ; general pointer type
define SIZEOF_POINTER   SIZEOF_DWORD ; sizeof(POINTER)
define POINTER_BIT     DWORD_BIT  ; sizeof(POINTER)*BYTE_BIT
endif

define INT              dword     ; signed integer type
define SIZEOF_INT       SIZEOF_DWORD ; sizeof(INT)
define INT_BIT          DWORD_BIT  ; sizeof(INT)*BYTE_BIT

define FP32             dword     ; IEEE754 single
define SIZEOF_FP32      SIZEOF_DWORD ; sizeof(FP32)
define FP32_BIT         DWORD_BIT  ; sizeof(FP32)*BYTE_BIT

define MMWORD           qword     ; int64  (MMX register)
define SIZEOF_MMWORD    SIZEOF_QWORD ; sizeof(MMWORD)
define MMWORD_BIT       QWORD_BIT  ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
define XMMWORD          ; int128 (SSE register)
define SIZEOF_XMMWORD   SIZEOF_QWORD ; sizeof(XMMWORD)
define XMMWORD_BIT      QWORD_BIT  ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
define XMM_DWORD
define XMM_MMWORD

define SIZEOF_BYTE      1        ; sizeof(BYTE)
define SIZEOF_WORD       2        ; sizeof(WORD)
define SIZEOF_DWORD      4        ; sizeof(DWORD)
define SIZEOF_QWORD      8        ; sizeof(QWORD)
define SIZEOF_OWORD      16       ; sizeof(OWORD)

define BYTE_BIT         8        ; CHAR_BIT in C
define WORD_BIT         16       ; sizeof(WORD)*BYTE_BIT
define DWORD_BIT        32       ; sizeof(DWORD)*BYTE_BIT
define QWORD_BIT        64       ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT 128 ; sizeof(OWORD)*BYTE_BIT

; External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ %+ name ; foo() -> _foo
%endif

; Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ; -------------------------------------------
%ifidn GOT_SYMBOL,_MACHO_PIC_ ; -------------------
; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.

SECTION SEG CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOT1
; NOTE: this macro destroys ecx resister.
call %geteip
addecx, byte (%%ref - $)
jmpshort %%adjust
%geteip:
movecx, POINTER [esp]
ret
%%adjust:
pushebp
xorebp,ebp; ebp = 0
%ifidn %1,ebx ; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
lea ebx, [ecx+ebp*8+(const_base-%%ref)]; 8D,9C,E9,(offset32)
dboe8D,0x9C; 8D,9C
jmpnear const_base; E9,(const_base-%%ref)
%%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
lea ecx, [ecx+ebp*8+(const_base-%%ref)]; 8D,8C,E9,(offset32)
db0x8D,0x8C; 8D,8C
j.mp near const_base; E9,(const_base-%ref)
%ref: mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_ ---------------------

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT
extern GOT_SYMBOL
call %geteip
add%1, GOT_SYMBOL + $- $ wrt ..gotpc
jmpshort %done
%geteip:
mov%1, POINTER [esp]
ret
%done:
%endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_ ---------------------

%imacro pushpic.nolist
push%1
%endmacro
%imacro poppic.nolist
pop%1
%endmacro
%imacro movpic2.nolist
mov%1,%2
%endmacro

%else; !PIC -----------------------------------------

%define GOTOFF(got,sym) (sym)

%imacro get_GOT1.nolist
%endmacro
%imacro pushpic1.nolist
push%1
%endmacro
%imacro poppic1.nolist
pop%1
%endmacro
%imacro movpic2.nolist
mov%1,%2
%endmacro

%endif; PIC -----------------------------------------
; Align the next instruction on {2,4,8,16,..}-byte boundary.
; ".balign n,,m" in GNU as
;
%define MSKLE(x,y)  (~(y) & 0xFFFF) - ((x) & 0xFFFF) >> 16)
%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%bs:
times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) \  
  db 0x90  ;nop
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9 \  
  db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7 \  
  db 0x8D,0xAC,0x25,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/6 \  
  db 0x8D,0xAD,0x00,0x00 ; lea ebp,[ebp+0x00000000]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/4 \  
  db 0x8D,0x6C,0x25 ; lea ebp,[ebp+0x00]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/3 \  
  db 0x8D,0x6D,0x00 ; lea ebp,[ebp+0x00]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/2 \  
  db 0x8B,0xED ; mov ebp,ebp
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/1 \  
  db 0x90  ;nop
%endmacro

; Align the next data on {2,4,8,16,..}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__
%ifdef WIN64
%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
%endif
%enddef

%endif

%ifdef _x86_64_
%endif
push rsi
push rdi
sub    rsi, SIZEOF_XMMWORD
movaps XMMWORD [rsi], xmm6
sub    rsi, SIZEOF_XMMWORD
movaps XMMWORD [rsi], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsi]
add    rsi, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsi]
add    rsi, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro

%endif
%endif

; ---------------------------------------------------------------------------
; Defines picked up from the C headers
;
%include "jsimdefg.inc"

; ---------------------------------------------------------------------------

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimdext.inc

No license file was found, but licenses were detected in source scan.

/
* jcarith.c
*
* Developed 1997-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains portable arithmetic entropy encoding routines for JPEG
*
* Both sequential and progressive modes are supported in this single module.
*
* Suspension is not currently supported in this module.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcarith.c

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License: IJG

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.c

No license file was found, but licenses were detected in source scan.

/*
* cdjpeg.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains common support routines used by the IJG application
* programs (cjpeg, djpeg, jpegtran).
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.c
No license file was found, but licenses were detected in source scan.

/*
* jdhuff.c
*
* This file was part of the Independent JPEG Group's software:
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* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy decoding routines.
*
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdhuff.c
No license file was found, but licenses were detected in source scan.

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* POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/tjutil.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/bmp.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jcstest.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/float.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/rgb.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/tjutil.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/tjutil.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java

No license file was found, but licenses were detected in source scan.

/ *
* jquant2.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jquant2.c
No license file was found, but licenses were detected in source scan.

/*
 * cjpeg.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG compressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 * cjpeg [options] inputfile outputfile
 * cjpeg [options] [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 * cjpeg [options] -outfile outputfile inputfile
 * works regardless of which command line style is used.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cjpeg.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY:  SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
This file was part of the Independent JPEG Group's software.
It was modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software; that is, the functions of the various modules in the system and the interfaces between modules. For more precise details about any data structure or calling convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard. The README file includes references for learning about JPEG. The file libjpeg.txt describes the library from the viewpoint of an application programmer using the library; it's best to read that file before this one. Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size determined by the sampling factors, or a single block in a noninterleaved scan.

We do not use the terms "pixel" and "sample" interchangeably. When we say pixel, we mean an element of the full-size image, while a sample is an element of the downsampled image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used rigorously throughout the code, but it is used in places where confusion would otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform
  JFIF JPEG files to and from several other image formats.

cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
command-line user interface and I/O routines for several uncompressed image
formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used
without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but
fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [currently it does not].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).

[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style
programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related
methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

1A. Startup initialization at the beginning of image processing.
   The individual processing modules to be used in this run are selected and given initialization calls.

1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

input data => processing step A => buffer => processing step B => output data
       |                      |                      |
       ---------------------- controller ----------------------

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.
The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:

* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
    |-- Preprocessing controller --|
    |                             |-- Downsampling
Main controller --|
    |                     |-- Forward DCT, quantize
    |-- Coefficient controller --|
            |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this
controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each component before downsampling, and Vk sample rows afterwards (remember Vk differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final
destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
    |-- Coefficient controller -->
        |-- Dequantize, Inverse DCT

Main controller -->
    |-- Upsampling
    |-- Postprocessing controller --> |
        |-- Colorspace conversion
            |-- Color quantization
            |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this
is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will
always be a single component representing colormap indexes. In the current
design, the output values are JSAMPLEs, so an 8-bit compilation cannot
quantize to more than 256 colors. This is unlikely to be a problem in
practice.

* Color reduction: this module handles color precision reduction, e.g.,
generating 15-bit color (5 bits/primary) from JPEG's 24-bit output.
Not quite clear yet how this should be handled... should we merge it with
colorspace conversion???

Note that some high-speed operating modes might condense the entire
postprocessing sequence to a single module (upsample, color convert, and
quantize in one step).

In addition to the above objects, the decompression library includes these
objects:

* Master control: determines the number of passes required, controls overall
and per-pass initialization of the other modules. This is subdivided into
input and output control: jdinput.c controls only input-side processing,
while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source
manager supplied with the library knows how to read from a stdio stream
or from a memory buffer; for other behaviors, the surrounding application
may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress
monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the
decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the
coefficient controller's DCT coefficient buffer. Note that this
processing is relatively cheap and fast.
2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays
The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as ",GETJSAMPLE(value)," where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use.

The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:

* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

\texttt{GETJSAMPLE(image[COLORCOMPONENT][row][col])}

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is
represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64”).

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKS, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***
In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU: a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it
would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APN markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:
1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.
   The above conventions ensure that sufficient information is available
   for it to choose a good size for virtual array buffers.
Small objects of any lifespan may be allocated at any time. We expect that
the total space used for small objects will be small enough to be negligible
in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is
infinite, thus causing realize_virt_arrays to decide that it can allocate all
the virtual arrays as full-size in-memory buffers. The overhead of the
virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set,
ever-yet-written sections of the array are set to zero before being made
available to the caller. If this flag is not set, never-written sections
of the array contain garbage. (This feature exists primarily because the
equivalent logic would otherwise be needed in jdcoeftt.c for progressive
JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom
order; read passes, as well as any write passes after the first one, may
access the array in any order. This restriction exists partly to simplify
the virtual array control logic, and partly because some file systems may not
support seeking beyond the current end-of-file in a temporary file. The main
implication of this restriction is that rearrangement of rows (such as
converting top-to-bottom data order to bottom-to-top) must be handled while
reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the
memory manager into two parts. There is a reasonably system-independent
"front end" (jmemmgr.c) and a "back end" that contains only the code
likely to change across systems. All of the memory management methods
outlined above are implemented by the front end. The back end provides
the following routines for use by the front end (none of these routines
are known to the rest of the JPEG code):

jpeg_mem_init, jpeg_mem_term system-dependent initialization/shutdown

jpeg_get_small, jpeg_free_small interface to malloc and free library routines
(or their equivalents)

jpeg_get_large, jpeg_free_large interface to FAR malloc/free in MSDOS machines;
else usually the same as
jpeg_get_small/jpeg_free_small
On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). `jpeg_open_backing_store` is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a
mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/structure.txt
No license file was found, but licenses were detected in source scan.

/*
 * transupp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
* jcmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG
* compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmainct.c
No license file was found, but licenses were detected in source scan.

/*
* jfdctflt.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a floating-point implementation of the
* forward DCT (Discrete Cosine Transform).
*
* This implementation should be more accurate than either of the integer
* DCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
*
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jf dctflt.c
No license file was found, but licenses were detected in source scan.

/*
 * jdm aker.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jd marker.c
No license file was found, but licenses were detected in source scan.

/*
 * jerror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file defines the error and message codes for the JPEG library.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
* A set of error-reporting macros are defined too. Some applications using
* the JPEG library may wish to include this file to get the error codes
* and/or the macros.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2-90-tgz/libjpeg-turbo-1.2-90-tar-gz/libjpeg-turbo-1.2.90/jerror.h

No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in GIF format.
 *
******************************************************************************
 * NOTE: to avoid entanglements with Unisys' patent on LZW compression,   *
 * this code has been modified to output "uncompressed GIF" files.         *
 * There is no trace of the LZW algorithm in this file.                   *
******************************************************************************
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */
/*
* This code is loosely based on ppmtogif from the PBMPPLUS distribution
* of Feb. 1991. That file contains the following copyright notice:
* Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
* Copyright (C) 1989 by Jef Poskanzer.
* Permission to use, copy, modify, and distribute this software and its
* documentation for any purpose and without fee is hereby granted, provided
* that the above copyright notice appear in all copies and that both that
* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*
* We are also required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmerss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrass2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcsammx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmermmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcclrss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdsammmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdsamss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmerss2.asm
/*
 * jquant1.c
 *
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 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander
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 * 
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */

Found in path(s):
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jquant1.c

No license file was found, but licenses were detected in source scan.

/*
 * jcprepct.c
 */

/*
 * jiscellflt.asm
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jiscellflt.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jdmrgss2-64.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jcgrammx.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jimmxred.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jiss2red-64.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jcqnt3dn.asm
 /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jiss2flt-64.asm

No license file was found, but licenses were detected in source scan.

/*
 * jcprepct.c
 */

/*
 * jsimd_arm_neon.S
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/simd/jsimd_arm_neon.S

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/*
 * jcprepct.c
 */
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the compression preprocessing controller.
* This controller manages the color conversion, downsampling,
* and edge expansion steps.
*
* Most of the complexity here is associated with buffering input rows
* as required by the downsampler. See the comments at the head of
* jcsample.c for the downsampler's needs.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcprepct.c

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/*
 * jdatadst-tj.c
 *
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 * Modified 2009-2012 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatadst-tj.c

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/*
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 *
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 * modification, are permitted provided that the following conditions are met:
 */

---

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* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

package org.libjpegturbo.turbojpeg;

final class TJLoader {
    static void load() {
        System.loadLibrary("@TURBOJPEG_DLL_NAME@");
    }
}

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java.in
No license file was found, but licenses were detected in source scan.

/*
* jdcolext.c
*
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* Copyright (C) 1991-1997, Thomas G. Lane.
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* *
* This file contains output colorspace conversion routines.
*/

Found in path(s):
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/*
 * wrrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinarystdio stream.
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrrle.c
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THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
NEGligence OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN
IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char"? 
 * How about "unsigned short"? 
 */
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void. 
 * NOTE: be sure to define void such that "void *" represents the most general 
 * pointer type, e.g., that returned by malloc(). 
 */
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword. 
 */
/* #define const */

/* Define this if an ordinary "char" type is unsigned. 
 * If you're not sure, leaving it undefined will work at some cost in speed. 
 * If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal. 
 */
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file. 
 */
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file. 
 */
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>, 
 * but does have a BSD-style <strings.h>. 
 */
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the 
 * ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in 
 * <sys/types.h> instead. 
 */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS, 
 * unless you are using a large-data memory model or 80386 flat-memory mode. 
 * On less brain-damaged CPUs this symbol must not be defined. 
 * (Defining this symbol causes large data structures to be referenced through 
 * "far" pointers and to be allocated with a special version of malloc.) 
 */
/*
* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORTEXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#if defined_WIN32
#ifndef __RPCNDR_H__	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN	/* prevent jmorecfg.h from redefining it */
#endif

/*
* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/
#if defined JPEG_INTERNALS
/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/*
* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/

#ifdef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */

define BMP_SUPPORTED/* BMP image file format */
define GIF_SUPPORTED/* GIF image file format */
define PPM_SUPPORTED/* PBMPPLUS PPM/PGM image file format */
define RLE_SUPPORTED/* Utah RLE image file format */
define TARGA_SUPPORTED/* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdin and optionally stdout. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpeg.c or djpeg.c.
*/
define TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
define NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...,"rb") or fopen(...,"wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
define DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
*/
define PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jconfig.txt
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This file contains additional configuration options that customize the
JPEG software for special applications or support machine-dependent
optimizations. Most users will not need to touch this file.

This file contains additional configuration options that customize the
JPEG software for special applications or support machine-dependent
optimizations. Most users will not need to touch this file.

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/*
rdcolmap.c
*
Copyright (C) 1994-1996, Thomas G. Lane.
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This file implements djpeg's "-map file" switch. It reads a source image
and constructs a colormap to be supplied to the JPEG decompressor.

Currently, these file formats are supported for the map file:
GIF: the contents of the GIF's global colormap are used.
PPM (either text or raw flavor): the entire file is read and
each unique pixel value is entered in the map.
Note that reading a large PPM file will be horrendously slow.
Typically, a PPM-format map file should contain just one pixel
of each desired color. Such a file can be extracted from an
ordinary image PPM file with ppmtomap(1).

Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
currently implemented.
*/

Portions of this code are based on the PBMPLUS library, which is:

** Copyright (C) 1988 by Jef Poskanzer.
**
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*/

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/*
* jdhuff.h
*
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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the
* progressive decoder (jdphuff.c).  No other modules need to see these.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1.2-90-tgz/libjpeg-turbo-1.2-90-tar.gz/libjpeg-turbo-1.2.90/jdhuff.h
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* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-java/TJBench.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/tjunittest.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/tbend.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg.c

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 *
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 *
 * This file contains code for merged upsampling/color conversion.
 */

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turbo-1.2.90/jdmrgext.c

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/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
*
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jfdctint.c
No license file was found, but licenses were detected in source scan.

/ *
* jsimd_x86_64.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/simd/jsimd_x86_64.c
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/ *
* simd/jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
/*
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 *
 * Found in path(s):
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
 * turbo-1.2.90/simd/jsimd.h
 * No license file was found, but licenses were detected in source scan.
 */

/*
 * wrtarga.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 * This file contains routines to write output images in Targa format.
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 * Based on code contributed by Lee Daniel Crocker.
 */

/*
 * jQuery JavaScript Library v1.3.2
 * http://jquery.com/
 *
 * Copyright (c) 2009 John Resig
 * Dual licensed under the MIT and GPL licenses.
 * http://docs.jquery.com/License
 * Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
 * Revision: 6246
 */

/*
 * Sizzle CSS Selector Engine - v0.9.3
 * Copyright 2009, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 * More information: http://sizzlejs.com/
 */

/*
 * jQuery UI 1.7.2
 */
* Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about)
* Dual licensed under the MIT (MIT-LICENSE.txt)
* and GPL (GPL-LICENSE.txt) licenses.
*
* http://docs.jquery.com/UI
*/
/**
 * jQuery.ScrollTo - Easy element scrolling using jQuery.
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
 * Licensed under GPL license (http://www.opensource.org/licenses/gpl-license.php).
 * Date: 2/8/2008
 * @author Ariel Flesler
 * @version 1.3.2
 */

/*
 * jdarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy decoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

/*
 * jchuff.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 */
* For conditions of distribution and use, see the accompanying README file.

* This file contains Huffman entropy encoding routines.

* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jchuff.c

No license file was found, but licenses were detected in source scan.

/*
* jcapimin.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* Modified 2003-2010 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the compression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-compression case or the transcoding-only
* case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jcapistd.c. But also see jcparam.c for
* parameter-setup helper routines, jcomapi.c for routines shared by
* compression and decompression, and jctrans.c for the transcoding case.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcapimin.c

No license file was found, but licenses were detected in source scan.

/*
* jddctmgr.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2010 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.

* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.

* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2.90-tgz/libjpeg-turbo-1.2.90/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/!
* jpegcomp.h
*
* Copyright (C) 2010, D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* JPEG compatibility macros
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1.2.90-tgz/libjpeg-turbo-1.2.90/jpegcomp.h
No license file was found, but licenses were detected in source scan.

/!
* jctrans.c
*
* Copyright (C) 1995-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding compression,
* that is, writing raw DCT coefficient arrays to an output JPEG file.
* The routines in jcapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jctrans.c
No license file was found, but licenses were detected in source scan.

/**
* jctrans.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (j dctmgr.c, jddctmgr.c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jctrans.c
No license file was found, but licenses were detected in source scan.

/**
* jdatasrc.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jdatasrc.c
No license file was found, but licenses were detected in source scan.

/**
* jsimd_arm.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on
* ARM architecture.
*
* Based on the stubs from 'jsimd_none.c'
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_arm.c

No license file was found, but licenses were detected in source scan.

/ *
* jdphuff.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy decoding routines for progressive JPEG.
*
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdphuff.c

No license file was found, but licenses were detected in source scan.

*******************************************************************************
**     Background
*******************************************************************************

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2,
NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64,
and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

*******************************************************************************
** License
*******************************************************************************

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS", AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

==================================
Installation Directory
==================================

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

==================================
Replacing libjpeg at Run Time
==================================

Un*x
----

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH.
For instance:

[Using libjpeg]

> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s

[Using libjpeg-turbo]

> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.109s
user 0m0.029s
sys 0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows
-------

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().
Mac

---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

========================================
Using libjpeg-turbo in Your Own Programs
========================================

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

```bash
CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}
```

(`{lib}` = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

```bash
CPATH=/c/libjpeg-turbo-gcc[64]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib
```

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*x systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass -R /opt/libjpeg-turbo/[lib] to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*x or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

```
-Wl,-Bstatic -ljpeg -Wl,-Bdynamic
```
On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add c:\libjpeg-turbo[64]\include to the system or user INCLUDE environment variable and c:\libjpeg-turbo[64]\lib to the system or user LIB environment variable, and then link against either jpeg.lib (to use the DLL version of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

=====================  
Colorspace Extensions  
=====================  

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

JCS_EXT_RGB    /* red/green/blue */
JCS_EXT_RGBX   /* red/green/blue/x */
JCS_EXT_BGR    /* blue/green/red */
JCS_EXT_BGRX   /* blue/green/red/x */
JCS_EXT_XBGR   /* x/blue/green/red */
JCS_EXT_XRGB   /* x/red/green/blue */
JCS_EXT_RGBA   /* red/green/blue/alpha */
JCS_EXT_BGRA   /* blue/green/red/alpha */
JCS_EXT_ABGR   /* alpha/blue/green/red */
JCS_EXT_ARGB   /* alpha/red/green/blue */

Setting cinfo.in_color_space (compression) or cinfo.out_color_space (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

#ifdef JCS_EXTENSIONS

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a "Bogus input colorspace" error. Applications can trap this error in order to test whether run-time support is available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X
byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA,
JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants
are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace
extensions at compile time with:

```
#ifdef JCS_ALPHA_EXTENSIONS
```

jcstest.c, located in the libjpeg-turbo source tree, demonstrates how to check
for the existence of the colorspace extensions at compile time and run time.

===================================
libjpeg v7 and v8 API/ABI Emulation
===================================

With libjpeg v7 and v8, new features were added that necessitated extending the
compression and decompression structures. Unfortunately, due to the exposed
nature of those structures, extending them also necessitated breaking backward
ABI compatibility with previous libjpeg releases. Thus, programs that were
built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is
based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not
as widely used as v6b, enough programs (including a few Linux distros) made
the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs
in libjpeg-turbo. It should be noted, however, that this feature was added
primarily so that applications that had already been compiled to use libjpeg
v7+ could take advantage of accelerated baseline JPEG encoding/decoding
without recompiling. libjpeg-turbo does not claim to support all of the
libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all
cases (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an
argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version
of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs
that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The
following section describes which libjpeg v7+ features are supported and which
aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8,
1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4
and 1/2 are SIMD-accelerated.)
-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
   See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
   Note that the libjpeg v7+ API was extended to accommodate this feature only
   for convenience purposes. It has always been possible to implement this
   feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the
usefulness of DCT scaling as a means of data reduction and SmartScale as a
means of quality improvement. The reader is invited to peruse the research at
http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions,
but it is the general belief of our project that these features have not
demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
   cinfo.scale_num and cinfo.scale_denom are silently ignored.
   There is no technical reason why DCT scaling could not be supported when
   emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see
   below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and
   8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
   cinfo.block_size is silently ignored.
   SmartScale is an extension to the JPEG format that allows for DCT block
   sizes other than 8x8. Providing support for this new format would be
   feasible (particularly without full acceleration.) However, until/unless
   the format becomes either an official industry standard or, at minimum, an
   accepted solution in the community, we are hesitant to implement it, as
there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?

libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

In-Memory Source/Destination Managers

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_desit() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and it allows those functions to be provided in the “official” libjpeg-turbo binaries.
Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo. This will restore the pre-1.3 behavior, in which jpeg_mem_src() and jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(), that program will not fail if run against an older version of libjpeg-turbo or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or jpeg_mem_dest(). Such is not the case on Windows. If a program is built against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

*******************************************************************************
**     Mathematical Compatibility
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.
-- When using the floating point IDCT, for the reasons stated above and also
 because the floating point IDCT algorithm was modified in libjpeg v8a to
 improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or
 "non-smooth") chrominance upsampling, because libjpeg v8 does not support
 merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

============
Restart Markers
============

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers
in a way that makes the rest of the libjpeg infrastructure happy, so it is
necessary to use the slow Huffman decoder when decompressing a JPEG image that
has restart markers. This can cause the decompression performance to drop by
as much as 20%, but the performance will still be much greater than that of
libjpeg. Many consumer packages, such as PhotoShop, use restart markers when
generating JPEG images, so images generated by those programs will experience
this issue.

==============
Fast Integer Forward DCT at High Quality Levels
==============

The algorithm used by the SIMD-accelerated quantization function cannot produce
correct results whenever the fast integer forward DCT is used along with a JPEG
quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization
function in those cases. This causes performance to drop by as much as 40%.
It is therefore strongly advised that you use the slow integer forward DCT
whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/README-turbo.txt
No license file was found, but licenses were detected in source scan.

/  *
* cdjpeg.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains common declarations for the sample applications
cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.h

No license file was found, but licenses were detected in source scan.

/*
* jsimd_i386.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* 32-bit x86 architecture.
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_i386.c

No license file was found, but licenses were detected in source scan.

/*
* rdgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in GIF format.
*
**********************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.
**********************************************************************
*
* We are required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctfst.c

No license file was found, but licenses were detected in source scan.

libjpeg-turbo note: This file has been modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo, to wordsmith certain sections, and to remove impolitic language that existed in the libjpeg v8 README. It is included only for reference. Please see README-turbo.txt for information specific to libjpeg-turbo.

The Independent JPEG Group's JPEG software
=============================================

This distribution contains a release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)
This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpegcom" and "wrjpegcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

LEGAL ISSUES
=============

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:
The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.
We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
CompuServe Incorporated. GIF(sm) is a Service Mark property of
CompuServe Incorporated."

REFERENCES

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at http://www.ijg.org/files/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm.

A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.ijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS
=================

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v8d.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsr8d.zip.


If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

FILE FORMAT WARS
=================

The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does
not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO
=====

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/README

No license file was found, but licenses were detected in source scan.

/
* jpegint.h
 *
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file provides common declarations for the various JPEG modules.
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpegint.h

No license file was found, but licenses were detected in source scan.

/
* jcpparam.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/jcparam.c
No license file was found, but licenses were detected in source scan.

/ *
* jdapimin.c
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/jdapimin.c
No license file was found, but licenses were detected in source scan.

/ *
* cerror.h
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file defines the error and message codes for the cjpeg/djpeg
* applications. These strings are not needed as part of the JPEG library
* proper.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/cerror.h
turbo-1.2.90/cderror.h
No license file was found, but licenses were detected in source scan.

%ifarch x86_64
%define __lib lib64
#else
%define __lib lib
%endif

Summary: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
Name: @PACKAGE_NAME@
Version: @VERSION@
Vendor: The libjpeg-turbo Project
URL: http://www.libjpeg-turbo.org
Group: System Environment/Libraries
#-->Source0: http://prdownloads.sourceforge.net/libjpeg-turbo/libjpeg-turbo-%{version}.tar.gz
Release: @BUILD@
License: BSD-style
BuildRoot: %[%_blddir]/%{name}-buildroot-%{version}-%{release}]
Prereq: /sbin/ldconfig
%ifarch x86_64
Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so()(64bit)
#else
Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so
%endif
Obsoletes: turbojpeg

%description
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.
#-->%prep
#-->%setup -q

#-->%build
#-->./configure libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man
JPEG_LIB_VERSION=@JPEG_LIB_VERSION@ SO_MAJOR_VERSION=@SO_MAJOR_VERSION@
SO_MINOR_VERSION=@SO_MINOR_VERSION@ --with-pic @RPM_CONFIG_ARGS@
#-->make DESTDIR=$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man

%install
rm -rf $RPM_BUILD_ROOT
make install DESTDIR=$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man
docdir=/opt/%{name}/doc exampledir=/opt/%{name}/doc
rm -f $RPM_BUILD_ROOT/opt/%{name}/%{__lib}/*.la
mkdir -p $RPM_BUILD_ROOT/usr/%{__lib}
mv $RPM_BUILD_ROOT/opt/%{name}/%{__lib}/libturbojpeg.* $RPM_BUILD_ROOT/usr/%{__lib}
/sbin/ldconfig -n $RPM_BUILD_ROOT/opt/%{name}/%{__lib}/*.a
/sbin/ldconfig -n $RPM_BUILD_ROOT/usr/%{__lib}/*.a
mv $RPM_BUILD_ROOT/opt/%{name}/%{__lib}/libturbojpeg.a $RPM_BUILD_ROOT/usr/%{__lib}
mkdir -p $RPM_BUILD_ROOT/usr/include
mv $RPM_BUILD_ROOT/opt/%{name}/include/turbojpeg.h $RPM_BUILD_ROOT/usr/include
ln -s /usr/include/turbojpeg.h $RPM_BUILD_ROOT/usr/include/
ln -s /usr/%{__lib}/libturbojpeg.a $RPM_BUILD_ROOT/obj/%{name}/%{__lib}/
mkdir -p $RPM_BUILD_ROOT/obj/%{defaultdocdir}
mv $RPM_BUILD_ROOT/obj/%{name}/doc $RPM_BUILD_ROOT/obj/%{defaultdocdir}/%{name}-%{version}

%post -p /sbin/ldconfig
%postun -p /sbin/ldconfig
%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root)
%dir %{_defaultdocdir}/%{name}-%{version}
%doc %{_defaultdocdir}/%{name}-%{version}/*
%dir /opt/%{name}/bin
/opt/%{name}/bin/cjpeg
/opt/%{name}/bin/djpeg
/opt/%{name}/bin/jpegtran
/opt/%{name}/bin/tjbench
/opt/%{name}/bin/rdjpgcom
/opt/%{name}/bin/wrjpgcom
%dir /opt/%{name}/*%{__lib}
%ifarch x86_64
% else
/opt/%{name}/lib32
% endif

/opt/%{name}/%{__lib}/libjpeg.so.@SO_MAJOR_VERSION@.@SO_AGE@.@SO_MINOR_VERSION@
/opt/%{name}/%{__lib}/libjpeg.so.
/opt/%{name}/%{__lib}/libjpeg.a
/usr/%{__lib}/libturbojpeg.so.0.0.0
/usr/%{__lib}/libturbojpeg.so
/usr/%{__lib}/libturbojpeg.so
/usr/%{__lib}/libturbojpeg.a
/usr/include/turbojpeg.h
% dir /opt/%{name}/man
% dir /opt/%{name}/include
% dir /opt/%{name}/man/man1
/opt/%{name}/man/man1/cjpeg.1*
/opt/%{name}/man/man1/djpeg.1*
/opt/%{name}/man/man1/jpegtran.1*
/opt/%{name}/man/man1/rdjpgcom.1*
/opt/%{name}/man/man1/wrjpgcom.1*
@JAVA_RPM_CONTENTS_1@
@JAVA_RPM_CONTENTS_2@
%changelog

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/libjpeg-turbo.spec.in
No license file was found, but licenses were detected in source scan.

/*
 * jcmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG compressor.
 * These routines are concerned with parameter validation, initial setup,
and inter-pass control (determining the number of passes and the work to be done in each pass).
*/

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmaster.c
No license file was found, but licenses were detected in source scan.

/*
 * jcöffect.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for decompression.
 * This controller is the top level of the JPEG decompressor proper.
 * The coefficient buffer lies between entropy decoding and inverse-DCT steps.
 *
 * In buffered-image mode, this controller is the interface between
 * input-oriented processing and output-oriented processing.
 * Also, the input side (only) is used when reading a file for transcoding.
 */

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcöffect.c
No license file was found, but licenses were detected in source scan.

/*
 * jcöffuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy encoding routines for progressive JPEG.
 *
 * We do not support output suspension in this module, since the library
 * currently does not allow multiple-scan files to be written with output
 * suspension.
 */

Found in path(s):
*/opt/cola/permits/1125758154_1612167959.680/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
/*
 * djpeg.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains a command-line user interface for the JPEG decompressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 * *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 *djpeg [options] inputfile outputfile
 *djpeg [options] [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 *djpeg [options] -outfile outputfile inputfile
 * works regardless of which command line style is used.
 */

Found in path(s):
 * /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/djpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
* pass.
*/

No license file was found, but licenses were detected in source scan.

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs.
 
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

No license file was found, but licenses were detected in source scan.

; j dct.inc - private declarations for forward & reverse DCT subsystems
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

Each IDCT routine is responsible for range-limiting its results and converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could be quite far out of range if the input data is corrupt, so a bulletproof range-limiting step is required. We use a mask-and-table-lookup method to do the combined operations quickly.

%define RANGE_MASK (MAXJSAMPLE * 4 + 3) ; 2 bits wider than legal samples

%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90.tar.gz/libjpeg-turbo-1.2.90/simd/jdct.inc
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*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdsample.c
No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)
================================

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be suffixed with 'f' to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes
jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)

[11] Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
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[1] Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo
SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form “’%define’ expects a macro identifier”.

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdcfg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only
internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
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[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.
[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUDFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.
[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
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[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is >= 98 and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.


[5] The Windows distribution packages now include the libjpeg run-time programs
[6] All packages now include jpgtest.


[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)
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[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.


[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

1.0.1
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[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
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[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93
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[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91
======

[1] Added documentation to .deb packages
[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
========

Initial release

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/ChangeLog.txt
No license file was found, but licenses were detected in source scan.

/*
 * jpeglib.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains stubs for when there is no SIMD support available.
 */
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# Copyright (C)2009-2011 D. R. Commander. All Rights Reserved.
#
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#   and/or other materials provided with the distribution.
# - Neither the name of the libjpeg-turbo Project nor the names of its
#   contributors may be used to endorse or promote products derived from this
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#
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# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
# INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
# CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
# POSSIBILITY OF SUCH DAMAGE.

#!/bin/sh

if [ ! """id -u"" = "0" ]; then
    echo "ERROR: This script must be executed as root"
    exit -1
fi

PACKAGE=@PACKAGE_NAME@
MACPACKAGE=com.$PACKAGE.$PACKAGE
RECEIPT=/Library/Receipts/$PACKAGE.pkg

LSBOM=
if [ -d $RECEIPT ]; then
    LSBOM=`lsbom -s -f -l "$RECEIPT"/Contents/Archive.bom`
else
    LSBOM=`pkgutil --files "$MACPACKAGE"
fi
mylsbom()
{
$LSBOM || (echo "ERROR: Could not list package contents"); exit -1
}

echo Removing package files ...
EXITSTATUS=0
pushd /
mylsbom | while read file; do
if [ ! -d "$file" ]; then rm "$file" 2>&1 || EXITSTATUS=-1; fi
done
popd

echo Removing package directories ...
if [ -d /opt/$PACKAGE/bin ]; then
rmdir /opt/$PACKAGE/bin 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/lib ]; then
rmdir /opt/$PACKAGE/lib 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/include ]; then
rmdir /opt/$PACKAGE/include 2>&1 || EXITSTATUS=-1
fi
rm /opt/$PACKAGE/lib32 2>&1 || EXITSTATUS=-1
rm /opt/$PACKAGE/lib64 2>&1 || EXITSTATUS=-1
if [ -d /opt/$PACKAGE/man/man1 ]; then
rmdir /opt/$PACKAGE/man/man1 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/man ]; then
rmdir /opt/$PACKAGE/man 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/classes ]; then
rmdir /opt/$PACKAGE/classes 2>&1 || EXITSTATUS=-1
fi
rmdir /opt/$PACKAGE 2>&1 || EXITSTATUS=-1
rmdir /Library/Documentation/$PACKAGE 2>&1 || EXITSTATUS=-1

if [ -d $RECEIPT ]; then
echo Removing package receipt ...
rm -r $RECEIPT 2>&1 || EXITSTATUS=-1
else
echo Forgetting package $MACPACKAGE ...
pkgutil --forget $MACPACKAGE
fi

exit $EXITSTATUS
/*
 * rdtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed Targa format).
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/release/uninstall.in
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/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jaricom.c
No license file was found, but licenses were detected in source scan.
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for JPEG transcoding.
 * It is very similar to cjpeg.c, and partly to djpeg.c, but provides
 * lossless transcoding between different JPEG file formats. It also
 * provides some lossless and sort-of-lossless transformations of JPEG data.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jpegtran.c

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/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface routines that are used for both
 * compression and decompression.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcomapi.c

No license file was found, but licenses were detected in source scan.

/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 */
* Logically, this code belongs in jcmaster.c. It's split out because
* linking this routine implies linking the entire compression library.
* For a transcoding-only application, we want to be able to use jcmaster.c
* without linking in the whole library.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcinit.c
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/*
 * jsimddct.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jsimddct.h
No license file was found, but licenses were detected in source scan.

/*
 * jchuff.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains declarations for Huffman entropy encoding routines
 * that are shared between the sequential encoder (jchuff.c) and the
 * progressive encoder (jcphuff.c). No other modules need to see these.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jchuff.h
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/doc/html/search/search.js
No license file was found, but licenses were detected in source scan.

/*
 * jmainct.c
 *
 * This file was part of the Independent JPEG Group's software:
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 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for decompression.
 * The main buffer lies between the JPEG decompressor proper and the
 * post-processor; it holds downsampled data in the JPEG colorspace.
 *
 * Note that this code is bypassed in raw-data mode, since the application
 * supplies the equivalent of the main buffer in that case.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jmainct.c
No license file was found, but licenses were detected in source scan.

/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-	
turbo-1.2.90/jerror.c
No license file was found, but licenses were detected in source scan.

/*
 * jcapistd.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-compression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_compress, it will end up linking in the entire compressor.
 * We thus must separate this file from jcapimin.c to avoid linking the
 * whole compression library into a transcoder.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jcapistd.c
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IJG JPEG LIBRARY: CODING RULES

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Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards” revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Brader). This document is available in the IJG FTP archive (see

Block comments should be laid out thusly:

/*
 * Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {

then-part;
} else {
  else-part;
}
with two spaces per indentation level. (This indentation convention is
handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants
are similar but upper case (MULTI_WORD_NAME). Names should be unique within
the first fifteen characters. (On some older systems, global names must be
unique within six characters. We accommodate this without cluttering the
source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code
transformation to feed prototype-less C compilers. Transformation is done
by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript).
ansi2knr is not very bright, so it imposes a format requirement on function
declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions
should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
  code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type),
or METHODDEF(type). These macros expand to "static type" or just "type" as
appropriate. They provide a readable indication of the routine's usage and
can readily be changed for special needs. (For instance, special linkage
keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in
structs). We handle these with a macro JMETHOD, defined as
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif
which is used like this:
struct function_pointers {
  JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
  JMETHOD(void, term_entropy_encoder, (void));
};
Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations
(see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * jmemnobs.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a really simple implementation of the system-dependent portion of the JPEG memory manager. This implementation assumes that no backing-store files are needed: all required space can be obtained from malloc().
 * This is very portable in the sense that it'll compile on almost anything.
 * but you'd better have lots of main memory (or virtual memory) if you want to process big images.
 * Note that the max_memory_to_use option is ignored by this implementation.
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jmemnobs.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 */

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar.gz/libjpeg-turbo-1.2.90/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the JPEG system-independent memory management
* routines. This code is usable across a wide variety of machines; most
* of the system dependencies have been isolated in a separate file.
* The major functions provided here are:
*   * pool-based allocation and freeing of memory;
*   * policy decisions about how to divide available memory among the
*     virtual arrays;
*   * control logic for swapping virtual arrays between main memory and
*     backing storage.
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/jmemmgr.c

No license file was found, but licenses were detected in source scan.

*/
* rdjpgcom.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a very simple stand-alone application that displays
* the text in COM (comment) markers in a JFIF file.
* This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2-90-rdjpgcom.c

No license file was found, but licenses were detected in source scan.

*/
* jidctfst.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
* /

No license file was found, but licenses were detected in source scan.

/*
* jidctint.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modification developed 2002-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a slow-but-accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

* This implementation is based on an algorithm described in
  * The primary algorithm described there uses 11 multiplies and 29 adds.
  * We use their alternate method with 12 multiplies and 32 adds.
  * The advantage of this method is that no data path contains more than one multiplication; this allows a very simple and accurate implementation in scaled fixed-point arithmetic, with a minimal number of shifts.

* We also provide IDCT routines with various output sample block sizes for direct resolution reduction or enlargement without additional resampling:
  * NxN (N=1...16) pixels for one 8x8 input DCT block.

* For N<8 we simply take the corresponding low-frequency coefficients of the 8x8 input DCT block and apply an NxN point IDCT on the sub-block to yield the downscaled outputs.
  * This can be seen as direct low-pass downsampling from the DCT domain point of view rather than the usual spatial domain point of view, yielding significant computational savings and results at least as good as common bilinear (averaging) spatial downsampling.

* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as lower frequencies and higher frequencies assumed to be zero.
  * It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size.
  * Furthermore, the scaling and descaling is the same for all IDCT sizes.

* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.

*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctint.c
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/*
 * wrbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in Microsoft "BMP"
* format (MS Windows 3.x and OS/2 1.x flavors).
* Either 8-bit colormapped or 24-bit full-color format can be written.
* No compression is supported.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1.2.90/wrbmp.c
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/*
 * rdppm.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed PPM format).
 */

/* Portions of this code are based on the PBMPLUS library, which is:
 **
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 **
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1.188 jackson-xc 2.5.3

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.soloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

## Licensing

Jackson core and extension components may be licensed under different licenses.
To find the details that apply to this artifact see the accompanying LICENSE file.
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/*

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdppm.c

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/*
* jversion.h
* *
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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains software version identification.
*/

Found in path(s):
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jversion.h
## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

### 1.189 guice-assistedinject 4.2.3

**1.189.1 Available under license:**

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1.190 guice 3.0

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1.194 jackson 1.7.1

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1.196 json-simple 1.1.1

1.197 pcre 8.11

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b) Use a suitable shared library mechanism for linking with the
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1.203 llvm 6.0.1-2.el7
1.203.1 Available under license :

; RUN: ltc %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*)
{
    ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
    BB:
    %L34 = load i8, i8* %0
    %Cmp56 = icmp sgt i8 undef, %L34
    br label %CF246

    CF246:
    ; preds = %CF246, %BB
    %S1163 = select i1 %Cmp56, i8 %L34, i8 undef
    br i1 undef, label %CF246, label %CF248

    CF248:
    ; preds = %CF248, %CF246
    store i8 %S1163, i8* %0
    br label %CF248
This file primarily contains tests for specific places in X86ISelLowering.cpp that needed to be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

```c
define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {  
  CHECK-LABEL: add256:
  CHECK:     # %bb.0:
  CHECK-NEXT: vmovdqa (%rdi), %ymm0
  CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  CHECK-NEXT: vpadd (%rsi), %ymm0, %ymm0
  CHECK-NEXT: vpadd 32(%rsi), %ymm1, %ymm1
  CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
  CHECK-NEXT: vmovdqa %ymm0, (%rdx)
  CHECK-NEXT: vzeroupper
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {  
  CHECK-LABEL: add512:
  CHECK:     # %bb.0:
  CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  CHECK-NEXT: vpadd (%rsi), %zmm0, %zmm0
  CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
  CHECK-NEXT: vzeroupper
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {  
  CHECK-LABEL: avg_v64i8_256:
  CHECK:     # %bb.0:
  CHECK-NEXT: vmovdqa (%rsi), %ymmm0
  CHECK-NEXT: vmovdqa 32(%rsi), %ymmm1
  CHECK-NEXT: vpavgb (%rdi), %ymmm0, %ymmm0
  CHECK-NEXT: vpavgb 32(%rdi), %ymmm1, %ymmm1
```
define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: avg_v64i8_512:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:    vmovdqa64 (%rsi), %zmm0
  ; CHECK-NEXT:    vpavgb (%rdi), %zmm0, %zmm0
  ; CHECK-NEXT:    vzeroupper
  ; CHECK-NEXT:    retq
  %1 = load <64 x i8>, <64 x i8>* %a
  %2 = load <64 x i8>, <64 x i8>* %b
  %3 = zext <64 x i8> %1 to <64 x i32>
  %4 = zext <64 x i8> %2 to <64 x i32>
  %5 = add nuw nsw <64 x i32> %3, %4
  %6 = add nuw nsw <64 x i32> %5, %6
  %7 = lshr <64 x i32> %6, %7 to <64 x i8>
  store <64 x i8> %7, <64 x i8>* undef, align 4
  ret void
}
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
; CHECK-LABEL: pmaddwd_32_256:
; CHECK:   # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpmaddwd (%rsi), %ymm0, %ymm0
; CHECK-NEXT:  vpmaddwd 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 0, %i32 2, %i32 4, %i32 6, %i32 8, %i32 10, %i32 12, %i32 14, %i32 16, %i32 18, %i32 20, %i32 22, %i32 24, %i32 26, %i32 28, %i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 1, %i32 3, %i32 5, %i32 7, %i32 9, %i32 11, %i32 13, %i32 15, %i32 17, %i32 19, %i32 21, %i32 23, %i32 25, %i32 27, %i32 29, %i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
}

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
; CHECK-LABEL: pmaddwd_32_512:
; CHECK:   # %bb.0:
; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:  vpmaddwd (%rsi), %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 0, %i32 2, %i32 4, %i32 6, %i32 8, %i32 10, %i32 12, %i32 14, %i32 16, %i32 18, %i32 20, %i32 22, %i32 24, %i32 26, %i32 28, %i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 1, %i32 3, %i32 5, %i32 7, %i32 9, %i32 11, %i32 13, %i32 15, %i32 17, %i32 19, %i32 21, %i32 23, %i32 25, %i32 27, %i32 29, %i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa32(%rdi), %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpsubusb32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}
define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}
define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx

entry:
  %3 = zext i32 %2 to i64
br label %vector.body

vector.body:
  %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
  %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
  %4 = getelementptr inbounds i8, i8* %0, i64 %index
  %5 = bitcast i8* %4 to <32 x i8>*
  %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
  %6 = sext <32 x i8> %wide.load to <32 x i32>
  %7 = getelementptr inbounds i8, i8* %1, i64 %index
  %8 = bitcast i8* %7 to <32 x i8>*
  %wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
  %9 = sext <32 x i8> %wide.load14 to <32 x i32>
  %10 = mul nsw <32 x i32> %9, %6
  %11 = add nsw <32 x i32> %10, %vec.phi
  %index.next = add i64 %index, 32
  %12 = icmp eq i64 %index.next, %3
middle.block:

\%rdx.shuf1 = shufflevector <32 x i32> \%11, <32 x i32> undef, <32 x i32> i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

\%bin.rdx1 = add <32 x i32> \%11, \%rdx.shuf1

\%rdx.shuf = shufflevector <32 x i32> \%bin.rdx1, <32 x i32> undef, <32 x i32> i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

\%bin.rdx = add <32 x i32> \%bin.rdx1, \%rdx.shuf

\%rdx.shuf15 = shufflevector <32 x i32> \%bin.rdx, <32 x i32> undef, <32 x i32> i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

\%bin.rdx32 = add <32 x i32> \%bin.rdx, \%rdx.shuf15

\%rdx.shuf17 = shufflevector <32 x i32> \%bin.rdx32, <32 x i32> undef, <32 x i32> i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

\%bin.rdx18 = add <32 x i32> \%bin.rdx32, \%rdx.shuf17

\%rdx.shuf19 = shufflevector <32 x i32> \%bin.rdx18, <32 x i32> undef, <32 x i32> i32 1, i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

\%bin.rdx20 = add <32 x i32> \%bin.rdx18, \%rdx.shuf19

\%13 = extractelement <32 x i32> \%bin.rdx20, i32 0

ret i32 \%13

\}

define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
;
CHECK-LABEL: _Z9test_charPcS_i_512:
CHECK:  # %bb.0: # %entry
CHECK-NEXT: movl %edx, %eax
CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
CHECK-NEXT: xorl %ecx, %ecx
CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
CHECK-NEXT: .p2align 4, 0x90
CHECK-NEXT: .LBB9_1: # %vector.body
CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2
CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3
CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1
CHECK-NEXT: .p2align 4, 0x90
CHECK-NEXT: addq $32, %rcx

}
entry:
    %3 = zext i32 %2 to i64
br label %vector.body

vector.body:
    %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
    %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
    %4 = getelementptr inbounds i8, i8* %0, i64 %index
    %5 = bitcast i8* %4 to <32 x i8>*
    %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
    %6 = sext <32 x i8> %wide.load to <32 x i32>
    %7 = getelementptr inbounds i8, i8* %1, i64 %index
    %8 = bitcast i8* %7 to <32 x i8>*
    %wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
    %9 = sext <32 x i8> %wide.load14 to <32 x i32>
    %10 = mul nsw <32 x i32> %9, %6
    %11 = add nsw <32 x i32> %10, %vec.phi
    %index.next = add i64 %index, 32
    %12 = icmp eq i64 %index.next, %3
    br i1 %12, label %middle.block, label %vector.body

middle.block:
    %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
    %bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
    %rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef
    %bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
    %rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undefined, <32 x i32> i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined
    %bin.rdx15 = add <32 x i32> %bin.rdx1, %rdx.shuf15
    %rdx.shuf = shufflevector <32 x i32> %bin.rdx15, <32 x i32> undefined, <32 x i32> i32 4, i32 5, i32 6, i32 7, i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined, i32 undefined
    %bin.rdx = add <32 x i32> %bin.rdx15, %rdx.shuf
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde
vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00

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%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sbto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
    ; CHECK-NEXT:    vpmovm2d %k0, %ymm1
    ; CHECK-NEXT:    vcvtdq2ps %ymm1, %ymm1
    ; CHECK-NEXT:    vmovaps %ymm1, (%rdi)
    ; CHECK-NEXT:    vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: sbto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %zmm0
    ; CHECK-NEXT:    vcvtdq2ps %zmm0, %zmm0
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vmovaps %zmm0, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvtq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvtq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvtq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvtq2pd %ymm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT: vmovaps %zmm1, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitialize
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: ubto16f32_512:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vpmovw2m %ymm0, %k0
  ; CHECK-NEXT:  kshiftrw $8, %k0, %k1
  ; CHECK-NEXT:  vpmovm2d %k1, %ymm0
  ; CHECK-NEXT:  vpsrld $31, %ymm0, %ymm0
  ; CHECK-NEXT:  vcvtdq2ps %ymm0, %ymm0
  ; CHECK-NEXT:  vpmovm2d %k0, %ymm1
  ; CHECK-NEXT:  vpsrld $31, %ymm1, %ymm1
  ; CHECK-NEXT:  vcvtdq2ps %ymm1, %ymm1
  ; CHECK-NEXT:  vmovaps %ymm1, (%rdi)
  ; CHECK-NEXT:  vmovaps %ymm0, 32(%rdi)
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
  %mask = icmp slt <16 x i16> %a, zeroinitializer
  %1 = uitofp <16 x i1> %mask to <16 x float>
  store <16 x float> %1, <16 x float>* %res
  ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: ubto16f64_256:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vpmovw2m %ymm0, %k0
  ; CHECK-NEXT:  vpmovm2d %k0, %zmm0
  ; CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
  ; CHECK-NEXT:  vcvtdq2ps %zmm0, %zmm0
  ; CHECK-NEXT:  vmovaps %zmm0, (%rdi)
  ; CHECK-NEXT:  vzeroupper
  ; CHECK-NEXT:  retq
  %mask = icmp slt <16 x i16> %a, zeroinitializer
  %1 = uitofp <16 x i1> %mask to <16 x float>
  store <16 x float> %1, <16 x float>* %res
  ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: ubto16f64_256:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT:  vpmovw2m %ymm0, %k0
  ; CHECK-NEXT:  kshiftrw $8, %k0, %k1
  ; CHECK-NEXT:  vpmovm2d %k1, %ymm0
  ; CHECK-NEXT:  vpsrld $31, %ymm0, %ymm0
  ; CHECK-NEXT:  vcvtdq2pd %xmm0, %ymm1
  ; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm0
  ; CHECK-NEXT:  vcvtdq2pd %xmm0, %ymm0
  ; CHECK-NEXT:  vpmovm2d %k0, %ymm2
  ; CHECK-NEXT:  vpsrld $31, %ymm2, %ymm2
  ; CHECK-NEXT:  vcvtdq2pd %xmm2, %ymm3

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {  
; CHECK-LABEL: ubto16f64_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0  
; CHECK-NEXT:  vpmovm2d %k0, %zmm0  
; CHECK-NEXT:  vpsrl $31, %zmm0, %zmm0  
; CHECK-NEXT:  vcvtdq2pd %ymm0, %zmm1  
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm0  
; CHECK-NEXT:  vcvtdq2pd %ymm0, %zmm0  
; CHECK-NEXT:  vmovaps %zmm0, 64(%rdi)  
; CHECK-NEXT:  vmovaps %zmm1, (%rdi)  
; CHECK-NEXT:  vzeroupper  
; CHECK-NEXT:  retq  
%mask = icmp slt <16 x i16> %a, zeroinitializer  
%1 = uitofp <16 x i1> %mask to <16 x double>  
store <16 x double> %1, <16 x double>* %res  
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {  
; CHECK-LABEL: test_16f32toub_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vcvttps2dq (%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vcvttps2dq 32(%rdi), %ymm1  
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1  
; CHECK-NEXT:  vpmovaps %zmm0, 64(%rdi)  
; CHECK-NEXT:  vpmovaps %zmm1, (%rdi)  
; CHECK-NEXT:  vzeroupper  
; CHECK-NEXT:  retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptoui <16 x float> %a to <16 x i1>  
return
}
define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {  
; CHECK-LABEL: test_16f32toub_512:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vcvtps2dq (%rdi), %zmm1  
; CHECK-NEXT: vpshld $31, %zmm1, %zmm1  
; CHECK-NEXT: vpmovd2m %zmm1, %k1  
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}  
; CHECK-NEXT: retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptoui <16 x float> %a to <16 x i1>  
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer  
ret <16 x i16> %select  
}  
define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {  
; CHECK-LABEL: test_16f32tosb_256:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vcvtps2dq (%rdi), %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k0  
; CHECK-NEXT: vcvtps2dq 32(%rdi), %ymm1  
; CHECK-NEXT: vpmovd2m %ymm1, %k1  
; CHECK-NEXT: kunpckbw %k0, %k1, %k1  
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}  
; CHECK-NEXT: retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptosi <16 x float> %a to <16 x i1>  
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer  
ret <16 x i16> %select  
}  
define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {  
; CHECK-LABEL: test_16f32tosb_512:  
; CHECK: # %bb.0:  
; CHECK-NEXT: vcvtps2dq (%rdi), %zmm1  
; CHECK-NEXT: vpmovd2m %zmm1, %k1  
; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}  
; CHECK-NEXT: retq  
%a = load <16 x float>, <16 x float>* %ptr  
%mask = fptosi <16 x float> %a to <16 x i1>  
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer  
ret <16 x i16> %select  
}

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define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {   
; CHECK-LABEL: mul256:
; CHECK:   # %bb.0:
; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:    vmovdqa (%rsi), %ymm2
; CHECK-NEXT:    vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm5 = ymm0[8,8,9,9,10,10,11,11,12,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:    vpmullw %ymm4, %ymm5, %ymm4
; CHECK-NEXT:    vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:    vpunpcklbw {{.*#+}} ymm2 = ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:    vpunpcklbw {{.*#+}} ymm0 = ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:    vpmullw %ymm2, %ymm0, %ymm0
; CHECK-NEXT:    vpand %ymm5, %ymm0, %ymm0
; CHECK-NEXT:    vpunpckuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm2 = ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:    vpunpckhbw {{.*#+}} ymm4 = ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:    vpmullw %ymm2, %ymm4, %ymm2
; CHECK-NEXT:    vpand %ymm5, %ymm2, %ymm2
; CHECK-NEXT:    vpunpcklbw {{.*#+}} ymm3 = ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[5],ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[19],ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]
; CHECK-NEXT:    vpunpcklbw {{.*#+}} ymm1 = ymm1[0],ymm0[0],ymm1[1],ymm0[1],ymm1[2],ymm0[2],ymm1[3],ymm0[3],ymm1[4],ymm0[4],ymm1[5],ymm0[5],ymm1[6],ymm0[6],ymm1[7],ymm0[7],ymm1[16],ymm0[16],ymm1[17],ymm0[17],ymm1[18],ymm0[18],ymm1[18]
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; NOTE: Assertions have been autogenerated by tools/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
 ; VEC256-LABEL: 'zext256'
 ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
define void @zext512() "min-legal-vector-width"="512" {
  %A = zext <8 x i16> undef to <8 x i64>
  %B = zext <8 x i32> undef to <8 x i64>
  %C = zext <16 x i8> undef to <16 x i32>
  %D = zext <16 x i16> undef to <16 x i32>
  %E = zext <32 x i8> undef to <32 x i16>
  ret void
}

; AVX-LABEL: 'zext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; SKX256-LABEL: 'zext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
define void @sext256() "min-legal-vector-width"="256" {  
  ; VEC256-LABEL: 'sext256'  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>  
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void  
  
  ; VEC512-LABEL: 'sext512'  
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>  
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>  
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>  
}
define void @sext512() "min-legal-vector-width"="512" {  
    ; AVX-LABEL: 'sext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; SKX256-LABEL: 'sext512'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC512-LABEL: 'sext512'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
}
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; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcall void @fred() unnamed_addr #0 {
entry:
br i undef, label %while.end, label %while.body.lr.ph
while.body.lr.ph: ; preds = %entry
br label %while.body

while.body: ; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [ i32 1, label %sw.bb.i i32 2, label %sw.bb3.i ]
open source used in virtualized voice browser 12.6(1) 2361

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }

; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
 ; CHECK-LABEL: test_sitofp_fixed:

 ; First, extend each i32 to i64
 ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK3_LO:v[0-9]+]], v3, #0
; Next, convert each to double.
CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:
CHECK-DAG: scvtf.2d v0, v0
CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
ret void
}

define internal void @innerNoAttribute() {
ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {

call void @innerLarge()
ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
call void @innerSmall()
ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
call void @innerNoAttribute()
ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }

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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]??]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]??]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C1]], 7
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C4]], 31
; CHECK-NEXT: %11 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %5, i8* %12
; CHECK-NEXT: %[[M5:const_mat[0-9]??]] = add i32 %[[C3]], 7
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %[[M6:const_mat[0-9]??]] = add i32 %[[C1]], 80
; CHECK-NEXT: %14 = inttoptr i32 %[[M6]] to i8*
; CHECK-NEXT: store i8* %14, i8** @goo

@goo = global i8* undef

define void @foo_i8() {

}
entry:
%0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
%1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
%2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
%3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
%4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
store i8 %4, i8* inttoptr(i32 805873688 to i8*)
store i8 %3, i8* inttoptr(i32 805873719 to i8*)
store i8 %2, i8* inttoptr(i32 805873720 to i8*)
store i8 %1, i8* inttoptr(i32 805873727 to i8*)
store i8* inttoptr(i32 805874800 to i8*), i8** @goo
ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %4 = inttoptr i32 %[[C2]], 4
; CHECK-NEXT: %5 = inttoptr i32 %[[M2]], 32
; CHECK-NEXT: %6 = inttoptr i32 %[[C2]], 62
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]], 22
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

define void @foo_i16() {
entry:
%0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
%1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
%2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
%3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
%4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
%5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
ret void
}

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
define void @foo_i32() {
entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
  %2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
  %3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
  %4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
  %5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
  ret void
}

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<td>Google Test</td>
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; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
; D31946
; Check that we don't end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}

; CHECK-LABEL: TestSelect:
; CHECK movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
}
define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
}

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 */
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1.207 compress 1.4.1

1.208 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* elf-c/elf-c.ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* elf-c++/detail/io.hpp, elf-c++/detail/io.cpp, elf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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 vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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-->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

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  xmlns:xi="http://www.w3.org/2001/XInclude"
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  <xsl:text>&#10;</xsl:text>
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  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

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  <version>1.3.0</version>
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    <name>Ignite Realtime</name>
    <url>http://www.igniterealtime.org</url>
  </organization>
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and components. Tinders origins lie in code that's shared between Jive Software's Openfire and Whack implementations.
The implementation that's provided in Tinder hasn't been written again from scratch. Instead, code has been moved
from the original projects into Tinder, preserving al of the existing features and functionality. Most of the code that's
now in Tinder is based on the org.xmpp package implementation that previously existed in Openfire and Whack.
This is the code that defines classes such as Packet, JID, IQ, Component and their extensions. Additionally, some
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* /opt/cola/permits/1138563244_1618841246.38/0/tinder-1-3-0-jar/META-INF/maven/org.igniterealtime/tinder/pom.xml

1.218 jakarta activation api 1.2.2
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1.220 dom4j 1.6.1

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History:
Date       Who                What
28oct1999  dl               Created
14dec1999  dl               jmm snapshot
19apr2000  dl               use barrierLock
12jan2001  dl               public release
17nov2001  dl               Minor tunings
20may2002  dl               BarrierLock can now be serialized.
09dec2002  dl               Fix interference checks.
*/

Found in path(s):
* /opt/cola/permits/1150916825_1617719489.56/0/dom4j-1-6-1-sources-4-
jar/org/dom4j/tree/ConcurrentReaderHashMap.java
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>Returns the credentials instance from the given access token.
*
* @param accessToken the access token
* @return the credentials instance
* @deprecated Use \{@link #create(AccessToken)\} instead. This method will be deleted in a later
* version.
*/
/**
* Constructor with explicit access token.
*
* @param accessToken Initial or temporary access token.
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**/

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* /opt/ws_local/PERMITS_SQL/1047240153_1590260335.39/0/google-auth-library-oauth2-http-0-10-0-sources-
jar/com/google/auth/oauth2/OAuth2Credentials.java

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Returns the credentials instance from the given access token.

@accessToken the access token
@return the credentials instance
@deprecated Use { @link #create(AccessToken)} instead. This method will be deleted in a later version.

Constructor with explicit access token.

@accessToken Initial or temporary access token.
@deprecated Use { @link #create(AccessToken)} instead. This constructor will either be deleted or made protected/private in a later version.

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*/

* /opt/ws_local/PERMITS_SQL/1047240153_1590260335.39/0/google-auth-library-oauth2-http-0-10-0-sources.jar/com/google/auth/oauth2/GoogleCredentials.java
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* @param transportFactory The Http transport factory
* @return the credential instance
* @deprecated Use { @link #newBuilder()} instead. This constructor will either be deleted or made
*     private in a later version.
*/
/**
* Create a new ComputeEngineCredentials instance with default behavior.
*
* @deprecated Use { @link #create()} instead. This constructor will either be deleted or
*     made private in a later version.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047240153_1590260335.39/0/google-auth-library-oauth2-http-0-10-0-sources-
  jar/com/google/auth/oauth2/ComputeEngineCredentials.java
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/**
* Constructs a client ID using an explicit ID and secret

* <p>Note: Direct use of this constructor in application code is not recommended to avoid
* having secrets or values that need to be updated in source code.
*
* @param clientId Text identifier of the Client ID.
* @param clientSecret Secret to associated with the Client ID.
* @deprecated Use { @link #of(String, String)} instead. This constructor will either be deleted
* or made private in a later version.
*/

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*/opt/ws_local/PERMITS_SQL/1047240153_1590260335.39/0/google-auth-library-oauth2-http-0-10-0-sources-
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/**
 * @deprecated Use { @link #create(int)} instead. This method will be deleted in a later version.
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**
*
* Constructor with minimum identifying information.
* 
* @param clientId Client ID of the service account from the console. May be null.
* @param clientEmail Client email address of the service account from the console.
* @param privateKey RSA private key object for the service account.
* @param privateKeyId Private key identifier for the service account. May be null.
@deprecated Use {@link #newBuilder()} instead. This constructor will either be deleted or made private in a later version.
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/**
 * Constructor with minimum identifying information.
 *
 * @param clientId Client ID of the service account from the console. May be null.
 * @param clientEmail Client email address of the service account from the console.
 * @param privateKey RSA private key object for the service account.
 * @param privateKeyId Private key identifier for the service account. May be null.
 * @param scopes Scope strings for the APIs to be called. May be null or an empty collection,
 * which results in a credential that must have createScoped called before use.
 */
@deprecated Use {link #newBuilder()} instead. This constructor will either be deleted or made private in a later version.
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* /opt/ws_local/PERMITS_SQL/1047240153_1590260335.39/0/google-auth-library-oauth2-http-0-10-0-sources-jar/com/google/auth/oauth2/ServiceAccountCredentials.java
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/**
 * Constructor with minimum information and default behavior.
 *
 * @param clientId Client ID of the credential from the console.
 * @param clientSecret Client ID of the credential from the console.
 * @param refreshToken A refresh token resulting from a OAuth2 consent flow.
 * @deprecated Use {@link #newBuilder()} instead. This constructor will either be deleted or made
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Constructors with minimal parameters.

@constructor constructor
  @param clientId Client ID to identify the OAuth2 consent prompt.
  @param scopes OAuth2 scopes defining the user consent.
  @param tokenStore Implementation of component for long term storage of tokens.
  @deprecated Use {@link #newBuilder()} instead. This constructor will either be deleted or made private in a later version.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.248 libdrm 2.4.91 3.el7

1.249 mini-xml unknown

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**1.253 slf4j-log4j 1.7.24**

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1.255 jackson-dataformat-yaml 2.9.8

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1.267 httpcomponents-httpclient 4.2.5

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* /opt/cola/permits/1136045075_1613665083.17/0/jmespath-java-1-11-61-sources-1-jar/com/amazonaws/jmespath/JmesPathContainsFunction.java
* /opt/cola/permits/1136045075_1613665083.17/0/jmespath-java-1-11-61-sources-1-jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java
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* /opt/cola/permits/1136045075_1613665083.17/0/jmespath-java-1-11-61-sources-1-
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(pthread_once cancellation added by rpj).

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reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.

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Files: *
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Files: Source/JavaScriptCore/API/JSRetainPtr.h
         Source/JavaScriptCore/API/JSStringRefBSTR.cpp
         Source/JavaScriptCore/API/JSStringRefBSTR.h
         Source/JavaScriptCore/bindings/*
         Source/JavaScriptCore/bytecode/CodeBlock.cpp
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         Source/JavaScriptCore/bytecode/EvalCodeCache.h
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         Source/JavaScriptCore/bytecompiler/*
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Source/WebCore/editing/SurroundingText.h
Source/WebCore/editing/UndoStep.h
Source/WebCore/editing/extract-localizable-strings.pl
Source/WebCore/fileapi/*
Source/WebCore/history/CachedFramePlatformData.h
Source/WebCore/html/BaseButtonInputType.cpp
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Source/WebCore/platform/SharedBufferChunkReader.cpp
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Source/WebCore/platform/graphics/gpu/*
Source/WebCore/platform/graphics/gstreamer/MediaSourceGStreamer.cpp
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Source/WebCore/platform/graphics/gstreamer/SourceBufferPrivateGStreamer.cpp
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Source/WebCore/platform/mock/GeolocationClientMock.cpp
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Source/WebCore/rendering/RenderLineBoxList.cpp
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Source/WebCore/xml/XPathException.cpp
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Source/WebKit/scripts/*
Source/WebKit2/UIProcess/API/gtk/WebKitSettings.cpp
Source/WebKit2/UIProcess/API/gtk/WebKitSettings.h
Source/WebKit2/UIProcess/InspectorServer/HTTPRequest.h
Source/WebKit2/UIProcess/gtk/ExperimentalFeatures.cpp
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Tools/DumpRenderTree/*
Tools/DumpRenderTree/cairo/*
Tools/ImageDiff/gtk/*
Tools/Scripts/*
Tools/TestWebKitAPI/Tests/WTF/MediaTime.cpp
Tools/TestWebKitAPI/Tests/WTF/MetaAllocator.cpp
Source/JavaScriptCore/parser/Lexer.h
Source/JavaScriptCore/parser/NodeConstructors.h
Source/JavaScriptCore/parser/Nodes.cpp
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Source/JavaScriptCore/parser/Parser.cpp
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Source/JavaScriptCore/runtime/ArgList.cpp
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Source/WebCore/Modules/geolocation/NavigatorGeolocation.cpp
Source/WebCore/Modules/geolocation/NavigatorGeolocation.h
Source/WebCore/Modules/proximity/DeviceProximityEvent.cpp
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Source/WebCore/Modules/vibration/*
Source/WebCore/Modules/websockets/WebSocketFrame.cpp
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Source/WebCore/accessibility/AccessibilityProgressIndicator.h
Source/WebCore/accessibility/atk/*
Source/WebCore/bindings/gobject/*
Source/WebCore/bindings/js/DOMConstructorWithDocument.h
Source/WebCore/bindings/js/DOMWrapperWorld.cpp
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Source/WebCore/bindings/js/JSCanvasRenderingContext2DCustom.cpp
Source/WebCore/bindings/js/JSDOMBinding.cpp
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Source/WebCore/platform/network/soup/ResourceResponseSoup.cpp
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Source/WebCore/platform/text/enchant/*
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Source/WebCore/plugins/DOMMimeType.cpp
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Source/WebCore/xml/XSLImportRule.h
Source/WebCore/xml/XSLStyleSheet.cpp
Source/WebCore/xml/XSLStyleSheetLibxslt.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/TestResources.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/TestSSL.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/TestWebKitPolicyClient.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/WebExtensionTest.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/WebProcessTest.cpp
Tools/TestWebKitAPI/Tests/WebKit2Gtk/WebProcessTest.h
Tools/TestWebKitAPI/gtk/WebKit2Gtk/*
Tools/WebKitTestRunner/InjectedBundle/atk/AccessibilityNotificationHandlerAtk.cpp
Tools/WebKitTestRunner/InjectedBundle/atk/AccessibilityNotificationHandlerAtk.h
Tools/gtk/*
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Files: Source/WebCore/bridge/npruntime_internal.h
Source/WebCore/platform/graphics/OpenGLShims.cpp
Source/WebCore/platform/graphics/OpenGLShims.h
Source/WebCore/platform/graphics/texmap/coordinated/AreaAllocator.cpp
Source/WebCore/platform/graphics/texmap/coordinated/AreaAllocator.h
Source/WebKit2/UIProcess/API/gtk/WebKitCookieManager.cpp
Source/WebKit2/UIProcess/API/gtk/WebKitCookieManager.h
Source/WebKit2/UIProcess/API/gtk/WebKitFaviconDatabase.cpp
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Source/WebKit2/UIProcess/API/gtk/WebKitFindController.cpp
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Source/WebKit2/UIProcess/API/gtk/WebKitSecurityManager.cpp
Source/WebKit2/UIProcess/API/gtk/WebKitSecurityManager.h
Source/WebKit2/UIProcess/API/gtk/WebKitWebInspector.cpp
Source/WebKit2/UIProcess/API/gtk/WebKitWebInspector.h
Source/WebKit2/WebProcess/Cookies/soup/*
Source/WebKit2/WebProcess/InjectedBundle/API/gtk/*
Tools/TestWebKitAPI/Tests/WebKit2Gtk/*
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Source/WTF/icu/unicode/*
Source/WebCore/icu/unicode/*
Source/WebCore/xml/XSLTEXTensions.cpp
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Files: Source/JavaScriptCore/runtime/JSDateMath.cpp
Source/JavaScriptCore/runtime/JSDateMath.h
Source/WTF/wtf/DateMath.cpp
Source/WTF/wtf/DateMath.h
Source/WebCore/html/HTMLDocument.cpp
Source/WebCore/platform/gtk/CursorGtk.h
Source/WebCore/platform/image-decoders/gif/GIFImageReader.cpp
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Source/WebCore/plugins/npapi.h
Source/WebCore/plugins/nptatypes.h
Source/WebCore/rendering/RenderLayer.cpp
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Source/WebCore/rendering/RenderMarquee.cpp
Source/WebCore/rendering/RenderMarquee.h
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Files: Source/WTF/wtf/Atomics.cpp
Source/WTF/wtf/Atomics.h
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include/GL/gl.h :
Mesa 3-D graphics library

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----
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include/GL/glXext.h
include/GL/wglXext.h :

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Found in path(s):
* /opt/cola/permits/1114168071_160749139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/http/websocketx/Utf8Validator.java
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* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdySynFrame.js
jar/io/netty/handler/codec/http/HttpHeaderEntity.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/http/FullHttpRequest.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/SpdyVersion.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1.jar/io/netty/handler/codec/spdy/SpdySessionStatus.java

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Manifest-Version: 1.0

Built-By: trustin
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Codec/HTTP
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_55
Bundle-Version: 4.0.25.Final
Bnd-LastModified: 1420029611829
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.codec-http
Bundle-DocURL: http://netty.io/
Import-Package: com.jcraft.jzlib;resolution:=optional,io.netty.buffer;version="[4.0.5)",io.netty.channel;version="[4.0.5)，io.netty.channel .embedded;version="[4.0.5),io.netty.handler.codec;version="[4.0.5)"
,io.netty.handler.codec.base64;version="[4.0.5),io.netty.handler.code
c.compression;version="[4.0.5),io.netty.handler.ssl;version="[4.0.5)
",io.netty.handler.stream;version="[4.0.5),io.netty.util;version="[4
.0.5),io.netty.util.concurrent;version="[4.0.5),io.netty.util.inter
nal;version="[4.0.5),io.netty.util.internal.logging;version="[4.0.5)
".javax.net.ssl,sun.nio.ch;resolution:=optional,org.eclipse.jetty.alp
n;version="[1,)";resolution=optional,org.eclipse.jetty.npn;version="[1
1,)";resolution=optional
Archiver-Version: Plexus Archiver

Found in path(s):  
* /opt/cola/permits/1114168071_1607449139.54/0/netty-codec-http-4-0-25-final-sources-1-jar/META-INF/MANIFEST.MF

1.294 jackson-mapper-asl 1.8.0
1.294.1 Available under license:
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* /opt/ws_local/PERMITS_SQL/1081955408_1597852744.52/0/jackson-mapper-asl-1-8-0-sources-1-jar/org/codehaus/jackson/map/MappingJsonFactory.java

1.295 libtirpc 0.2.4-0.15.el7
1.295.1 Available under license:

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1.296 activemq-openwire-legacy 5.8.0

1.296.1 Available under license:

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1.297 **jackson-dataformat-yaml 2.11.2**

1.297.1 **Available under license :**

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.298 **jersey-common 2.25.1**

1.299 **vim 7.4.160-5.el7**

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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b) Give prominent notice with the combined library of the fact
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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

VIM LICENSE

1) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.
II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.

2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes.
   The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
      - You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
      - You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
   e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or
any later version.
3) A message must be added, at least in the output of the ":version"
    command and in the intro screen, such that the user of the modified Vim
    is able to see that it was modified. When distributing as mentioned
    under 2)e) adding the message is only required for as far as this does
    not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be
    removed or changed, except that the person himself can make
    corrections.

III) If you distribute a modified version of Vim, you are encouraged to use
    the Vim license for your changes and make them available to the
    maintainer, including the source code. The preferred way to do this is
    by e-mail or by uploading the files to a server and e-mailing the URL.
    If the number of changes is small (e.g., a modified Makefile) e-mailing a
    context diff will do. The e-mail address to be used is
    <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim
    sources, parts of it or from a modified version. You may use this
    license for previous Vim releases instead of the license that they came
    with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
  file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
  [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
  A few minor changes have been made since he checked it, but that should not
  make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
  further distribution to the GNU GPL. Also when you didn't actually change
  anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
  further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
  contact information with the "--with-modified-by" configure argument or the
  MODIFIED_BY define.
Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a
volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used. Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt. For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in
Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship. Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children’s Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It’s really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et:ft=help:norl:
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(XPM - X PixMap format version 2 & 3)
Internet: lehors@sophia.inria.fr
Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
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1.300 mesa 18.0.5-3.el7
1.300.1 Available under license :
/* Legal characters in GLSL are:
 *
 * Identifier characters:
 *
 *  Letters a-z
 *  Letters A-Z
 *  Underscore
 *  Numbers 0-9
 *
 * Punctuation:
 *
 *  Period, plus, dash, slash, asterisk, percent, angled brackets,
 *  square brackets, parentheses, braces, caret, vertical bar,
 *  ampersand, tilde, equals, exclamation point, colon, semicolon,
 *  comma, and question mark
 *
 * Special:
 *
 *  Number sign (as used in preprocessor)
 *
 *  Backslash just before newline as line continuation
 *
 * White space:
 *
 *  Space, horizontal tab, vertical tab, form feed, carriage-return,
 *  and line-feed.
 *
 * [GLSL Language Specficiation 4.30.6, section 3.1]
 *
 * In this file, we test each of these in turn as follows:
 *
 *  Identifier characters: All pass through unchanged
 *  Punctuation: All pass through unchanged
 *  Special: Empty directive replaced with blank line
 *              Line continuation merges two lines, then a blank line
 *  Whitespace: 4 horizontal space characters each replaced with space
 *              2 newline characters each replaced with a newline
 *
 */
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKMLNOPQRSTUVWXYZ
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#
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# the Software is furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice (including the next
# paragraph) shall be included in all copies or substantial portions of the
Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

  Specifically, if this is done as part of documentation included with
  Mesa, is that sufficient to meet clause 2 even if the Mesa config option
  is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
  anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
  quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
* "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
* Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
* Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!
Thanks in advance,

Tom Callaway  
Fedora Legal

==
Fedora Project

Thanks in advance,

Tom Callaway  
Fedora Legal

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Fedora Project

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
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Manifest-Version: 1.0
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Final"
Built-By: norman
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Buffer
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_75
Bundle-Version: 4.0.27.Final
Bnd-LastModified: 1427990876593
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.buffer
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Import-Package: io.netty.util;version="[4.0,5)",io.netty.util.concurrent;version="[4.0,5)",io.netty.util.internal;version="[4.0,5)",io.netty.util.internal.logging;version="[4.0,5)",sun.nio.ch;resolution=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution=optional.org.eclipse.jetty.npn;version="[1,2)";resolution=optional
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1.318 jackson-databind 2.12.0

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1.319 libfastjson 0.99.4-3.el7

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1.320 jna 4.0.0

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1.321 activemq-xmpp 5.4.2

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1.326 atk 2.28.1 1.el7

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1.335 jetty-servlet 9.4.30.v20200611

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. 
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.336 joda-time 2.2

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1.337 apache-jakarta-regexp 1.3

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jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jndi/JndiObjectFactoryBean.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/format/datatime/joda/YearMonthFormatter.java
jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
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 */
/*
 * Indicates that a component is only eligible for registration when all
 *   [@linkplain #value specified conditions] match.
 *
 *   A <em>condition</em> is any state that can be determined programmatically
 *   before the bean definition is due to be registered (see [@link Condition] for details).
 *
 *   The [@code @Conditional] annotation may be used in any of the following ways:
 *   <ul>
 *     <li>as a type-level annotation on any class directly or indirectly annotated with
 *         [@code @Component], including [@link Configuration @Configuration] classes</li>
 *     <li>as a meta-annotation, for the purpose of composing custom stereotype
 *         annotations</li>
 *     <li>as a method-level annotation on any [@link Bean @Bean] method</li>
 *   </ul>
 *
 *   If a [@code @Configuration] class is marked with [@code @Conditional],
 *   all of the [@code @Bean] methods, [@link Import @Import] annotations, and
 *   [@link ComponentScan @ComponentScan] annotations associated with that
 *   class will be subject to the conditions.
 *
 *   <strong>NOTE</strong>: Inheritance of [@code @Conditional] annotations
 *   is not supported; any conditions from superclasses or from overridden
 *   methods will not be considered. In order to enforce these semantics,
 *   [@code @Conditional] itself is not declared as
 *   [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
 *   custom <em>composed annotation</em> that is meta-annotated with
 *   [@code @Conditional] must not be declared as [@code @Inherited].
 *
 * @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/context/annotation/Conditional.java
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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the [@code MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* 
* <p>See the javadocs for WebSphere's
* 
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1.jar/org/springframework/mvc/support/WebSphereMBeanServerFactoryBean.java
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* /opt/cola/permits/111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/export/assembler/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/rmi/RmiServiceExporter.java
* /opt/cola/permits/111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java
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 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 *Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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1.345 joda-time 2.9
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import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy when weaving is used.
 *
 * It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
 */
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {
        super();
    }

    public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public Object buildClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public boolean buildsNewInstance() {
        return false;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 *
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 *
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 *
 * @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
 * @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
 */
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     */
    Object buildClone(Object object, Session session) throws DescriptorException;

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     */
}
Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

/**
 * Return an instance with the primary key set from the row, used for building a working copy during a unit of work transactional read.
 */
Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException;

/**
 * Clone the CopyPolicy.
 */
Object clone();

/**
 * Allow for any initialization or validation required.
 */
void initialize(Session session) throws DescriptorException;

/**
 * Set the descriptor.
 */
void setDescriptor(ClassDescriptor descriptor);

/**
 * Return if this copy policy creates a new instance, vs a clone.
 */
boolean buildsNewInstance();

package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

import org.eclipse.persistence.descriptors.copying.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;
/**
 * <p><b>Purpose</b>: This is the default copy policy.
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 */

public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }

    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }

    public boolean buildsNewInstance() {
        return true;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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*******************************************************************************/

package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 */
public abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }

    public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

    /**
     * By default use the buildClone.
     */
    public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
        return buildClone(domainObject, session);
    }

    /**
     * By default create a new instance.
     */
    public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
            UnitOfWork uow) throws DescriptorException {
        return this.descriptor.getObjectBuilder().buildNewInstance();
    }

    /**
     * INTERNAL:
     * Clones the CopyPolicy
     */
    public Object clone() {
        try {
            // clones itself
            return super.clone();
        } catch (Exception exception) {
        }
        return null;
    }

    /**
     * Return the descriptor.
     */
    protected ClassDescriptor getDescriptor() {
        return descriptor;
    }

    /**
     * Do nothing by default.
     */
    public void initialize(Session session) throws DescriptorException {

// Do nothing by default.
}

/**
 * Set the descriptor.
 */
public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}

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package org.eclipse.persistence.descriptors.copying;

import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.sessions.AbstractRecord;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/**
 * <p><b>Purpose</b>: Allows a clone of an object to be created with a method that returns
 * the cloned object.
 * It is possible to define methods for two types of clones
 * 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
 * own internal use. The objects created by this method will not be visible to the user, and
 * instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
 * also be in place of the workingCopyMethod if it is not provided
 */
* 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
* Object is registered in a UnitOfWork
*/

public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
    protected transient Method workingCopyMethod;

    public CloneCopyPolicy() {
        super();
    }

    /** *
    * Clone through calling the clone method.
    */
    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() == null) {
            return getDescriptor().getObjectBuilder().buildNewInstance();
        }
        try {
            if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()) {
                try {
                    return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject,
                        new Object[0]));
                } catch (PrivilegedActionException exception) {
                    throwableException = exception.getException();
                    if (throwableException instanceof IllegalAccessException) {
                        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    } else {
                        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    }
                } catch (InvocationTargetException exception) {
                    throw DescriptorException.callerInvocationWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), throwableException);
                }
            } else {
                return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
            }
        } catch (IllegalAccessException exception) {
            throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
        } catch (InvocationTargetException exception) {
            throw DescriptorException.callerInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
        }
        return null;
    }
try {
    if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
        try {
            return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                domainObject, new Object[0]));
        } catch (PrivilegedActionException exception) {
            Exception throwableException = exception.getException();
            if (throwableException instanceof IllegalAccessException) {
                throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
            } else {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new
                Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), exception);
    }
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
   UnitOfWork uow) throws DescriptorException {
    public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
        try {
            if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
                try {
                    return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                        domainObject, new Object[0]));
                } catch (PrivilegedActionException exception) {
                    Exception throwableException = exception.getException();
                    if (throwableException instanceof IllegalAccessException) {
                        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    } else {
                        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                    }
                } else {
                    return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new
                        Object[0]);
                }
            } catch (IllegalAccessException exception) {
                throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), exception);
            } catch (InvocationTargetException exception) {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), exception);
            }
        }
    }
}
// For now must preserve CMP code which builds heavy clones with a context.
// Also preserve for clients who use the copy policy.
ObjectBuilder builder = getDescriptor().getObjectBuilder();
if (getWorkingCopyMethodName() != null) {
    Object original = builder.buildNewInstance();
    builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
    return buildWorkingCopyClone(original, query.getSession());
} else {
    return builder.buildNewInstance();
}

/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
if (this.getMethodName() != null) {
    this.setMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(), this.getMethodName(), new Class[0]));
}
} catch (NoSuchMethodException exception) {
    session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
} catch (SecurityException exception) {
    session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
}
if (this.getWorkingCopyMethodName() != null) {
    try {
        this.setWorkingCopyMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(), this.getWorkingCopyMethodName(), new Class[0]));
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
    }
}

/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}

/**
 * Set the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
* Set the workingCopyClone method name.
* This is used to clone within a unit of work.
*
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

1.349 joda-time 2.10.8
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1.358 jetty-io 9.4.20.v20190813

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Mesa 3-D graphics library
Version: 7.0

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1.363 gobject-introspection 1.56.1-1.el7

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1.364 glibc 2.17-317.el7

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static inline int license_is_gpl_compatible(const char *license)
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|| strcmp(license, "GPL v2") == 0
|| strcmp(license, "GPL and additional rights") == 0
|| strcmp(license, "Dual BSD/GPL") == 0
|| strcmp(license, "Dual MIT/GPL") == 0
|| strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)

Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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M. Welsh, 6 July 1996
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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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1.369 nettle 2.7.1 8.el7

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*
* PKCS #5 PBKDF2 used with HMAC-SHA256, see RFC 2898.
* /

/* nettle, low-level cryptographics library */
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- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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1.376 velocity-tools 2.0

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 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/netty_epoll_linuxsocket.c
* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-jar/netty_epoll_linuxsocket.h

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jar/com/google/common/collect/Hashing.java
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jar/com/google/common/cache/RemovalListeners.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/Weigher.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/base/Absent.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/net/MediaType.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/Cache.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/HashingOutputStream.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/AbstractCache.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/CacheLoader.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/Murmur3_128HashFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/cache/RemovalCause.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/math/LongMath.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache>LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/math/AbstractNonStreamingHashFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache/RegularContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/base/Optional.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache/RemovalListener.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/net/HostAndPort.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java

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  jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/annotations/Beta.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/util/concurrent/Monitor.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
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  jar/com/google/common/base/Strings.java
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  jar/com/google/common/collect/SortedLists.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/primitives/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/net/package-info.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collect/ContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/base/Equivalence.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/base/Ascii.java
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jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/TransformedIterator.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/TransformedListIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/FilteredMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/DescendingMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/AllEqualOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/EvictingQueue.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/RangeMap.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/CompactLinkedHashMap.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/collection/ImmutableRangeMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache/LongAddables.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/collection/LongAddable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/math/PairwiseStatsAccumulator.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/reflect/AbstractInvocationHandler.java
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* the License.
*/
* Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
* [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
* under GWT but with a slightly different signature.
*
* &lt;p&gt; We can’t use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn’t recognize
* it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/util/concurrent/Partially.java

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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/RegularImmutableList.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/RegularImmutableSortedSet.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/Graphs.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/MutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/graph/ComparisonChain.java
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 */
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * @param c the collection for which to return an array of elements
 */

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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/Ordering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ImmutableList.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingObject.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/Sets.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingSortedMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/MutableClassToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/SortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/AbstractMapBasedMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/Multimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingConcurrentMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ConcurrentHashMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/SetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/Multimaps.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-

jar/com/google/common/collect/LinkedListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/HashMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/BiMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/EnumBiMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/NullsLastOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/CompoundOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/Maps.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/Lists.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/EnumHashBiMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/ForwardingList.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/Synchronized.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/ForwardingMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/AbstractIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/ListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collect/Interner.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/eventbus/Subscriber.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/eventbus/SubscriberRegistry.java

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  jar/com/google/common/collection/WellBehavedMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/GwtTransient.java
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  jar/com/google/common/collection/ImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableSortedSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableEntry.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/Collections2.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collection/ImmutableMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/HashBasedTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/Serialization.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/PeekingIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/CollectPreconditions.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/Platform.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/RegularImmutableBiMap.java

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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/Utf8.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/Verify.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/io/CharSequenceReader.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/util/concurrent/Runnables.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/reflect/TypeVisitor.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/AbstractTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/VerifyException.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/hash/HashingInputStream.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java

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  jar/com/google/common/graph/GraphConstants.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ConfigurableNetwork.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/GraphConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/NetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ForwardingNetwork.java
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  jar/com/google/common/graph/ElementOrder.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ValueGraph.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ForwardingGraph.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/graph/ConfigurableMutableGraph.java

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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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  jar/com/google/common/escape/CharEscaper.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
  jar/com/google/common/base/CaseFormat.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/hash/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-jar/com/google/common/cache/LongAdder.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingListMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/SortedMapDifference.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/RowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/AbstractSequentialIterator.java

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jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/GeneralRange.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/Count.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1-
jar/com/google/common/collection/RegularImmutableSortedMultiset.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/AbstractRangeSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/RangeSet.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
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* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/JdkPattern.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/CommonPattern.java
* /opt/ws_local/PERMITS_SQL/1075319405_1596107054.08/0/guava-26-0-android-sources-1.jar/com/google/common/base/CommonMatcher.java
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AOP alliance (http://aopalliance.sourceforge.net) aopalliance:aopalliance:jar:1.0
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ASM (http://asm.objectweb.org/asm/asm) asm:asm:jar:3.3.1:compile
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com.sun.msv.datatype.xsd:xsdlib:bundle:2010.1
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(http://www.sun.com/cddl/cddl.html)

Sun JAXB Reference Implementation Tools (http://jaxb.java.net/jaxb-xjc) com.sun.xml.bind:jaxb-xjc:jar:2.2.6:compile
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javax.ws.rs-api (http://jax-rs-spec.java.net) javax.ws.rs:javax.ws.rs-api:jar:2.0-m10
License: CDDL 1.1  (http://glassfish.java.net/public/CDDL+GPL_1_1.html)

javax.ws.rs-api (http://jax-rs-spec.java.net) javax.ws.rs:javax.ws.rs-api:jar:2.0-m10
License: GPL2 w/ CPE  (http://glassfish.java.net/public/CDDL+GPL_1_1.html)

Java Architecture for XML Binding (JAXB API) (http://jaxb.java.net/jaxb-api) javax.xml.bind:jaxb-api:jar:2.2.6:compile
License: COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0
(http://www.sun.com/cddf/cddf.html)

Joda time (http://joda-time.sourceforge.net) joda-time:joda-time:jar:2.2
License: Apache 2  (http://www.apache.org/licenses/LICENSE-2.0.txt)

MSV Core (http://msv.java.net/msv-core) net.java.dev.msv:msv-core:bundle:2011.1
License: BSD ()

HttpAsyncClient (http://hc.apache.org/httpcomponents-asyncclient)
org.apache.httpcomponents:httpasyncclient:jar:4.0-beta3
License: Apache License  (LICENSE.txt)

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OpenSAML-J (http://opensaml.org/) org.opensaml:opensaml:jar:2.6.1
 License: Apache 2 (http://www.apache.org/licenses/LICENSE-2.0.txt)

OpenWS (http://opensaml.org/) org.opensaml:openws:jar:1.5.1
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XMLTooling-J (http://opensaml.org/) org.opensaml:xmltooling:jar:1.4.1
 License: Apache 2 (http://www.apache.org/licenses/LICENSE-2.0.txt)

Simple Logging Facade for Java - API (http://www.slf4j.org/slf4j-api) org.slf4j:slf4j-api:jar:1.7.7:compile
 License: MIT License (http://www.slf4j.org/license.html)

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RELAX NG Datatype (http://sourceforge.net/projects/relaxng/)
relaxngDatatype:relaxngDatatype:jar:20020414:compile
 License: BSD (http://www.opensource.org/licenses/bsd-license.php)

Rhino (http://www.mozilla.org/rhino/) rhino:js:jar:1.7R2
 License: Mozilla Public License (http://www.mozilla.org/MPL/MPL-1.1.html)

WSDL4J (http://sf.net/projects/wsd4j) wsdl4j:wsdl4j:jar:1.6.3
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1.387 reflections 0.9.11

1.388 xerces-j 2.3.0
1.388.1 Available under license:
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

StartFontMetrics 4.1
Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu May 1 15:12:25 1997
Comment UniqueID 43064
Comment VMusage 30820 39997
FontName Symbol
FullName Symbol
FamilyName Symbol
Weight Medium
ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -180 -293 1090 1010
UnderlinePosition -100
UnderlineThickness 50
Version 001.008
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
EncodingScheme FontSpecific
StdHW 92
StdVW 85
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C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 128 -17 240 672 ;
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\text{C 65 ; WX 722 ; N Alpha ; B 4 0 684 673 ;}
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\text{C 74 ; WX 631 ; N theta1 ; B 18 -18 623 689 ;}
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Open Source Used In Virtualized Voice Browser 12.6(1)  4000
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* /opt/cola/permissions/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Courier-Oblique.afm

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For SVG 1.0:

Namespace:
http://www.w3.org/2000/svg

Public identifier:
PUBLIC "

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SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
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   Revision: $Id: svg11

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-Roman.afm
No license file was found, but licenses were detected in source scan.

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# This software is published under the terms of the Apache Software License #
# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file.    #

# This file registers the example Bridge extension as a service for the
# Bridge context.
# org.apache.batik.apps.svgbrowser.XMLInputHandler

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.apps.svgbrowser.SquiggleInputHandler
No license file was found, but licenses were detected in source scan.

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IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -113 -250 749 801
UnderlinePosition -100
UnderlineThickness 50
Open Source Used In Virtualized Voice Browser 12.6(1)  4120
Open Source Used In Virtualized Voice Browser 12.6(1) 4121
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-flat.dtd

No license file was found, but licenses were detected in source scan.

SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-basic.dtd
No license file was found, but licenses were detected in source scan.

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# Copyright (C) The Apache Software Foundation. All rights reserved.      #
#                                                                           #
# This software is published under the terms of the Apache Software License#
# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file.                                                      #
#                                                                           #
# This file registers the example Bridge extension as a service for the    #
# Bridge context.                                                        #
org.apache.batik.extension.svg.BatikBridgeExtension

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cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution".

Found in path(s):
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No license file was found, but licenses were detected in source scan.

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Open Source Used In Virtualized Voice Browser 12.6(1) 4139
Open Source Used In Virtualized Voice Browser 12.6(1) 4140
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Open Source Used In Virtualized Voice Browser 12.6(1) 4165
SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
dimensional graphics in XML.

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Revision: $Id: svg11

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No license file was found, but licenses were detected in source scan.

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No license file was found, but licenses were detected in source scan.

SVG 1.1 Tiny DTD

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11$

Found in path(s):
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No license file was found, but licenses were detected in source scan.

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UnderlineThickness 50
Version 002.000
a trademark of Linotype-Hell AG and/or its subsidiaries.
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Open Source Used In Virtualized Voice Browser 12.6(1)  4265

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EndKernPairs
EndKernData
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Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Helvetica-Oblique.afm

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Comment VMusage 45775 55535
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Version 002.000
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StdVW 90
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| C 84 ; WX 790 | N a47 ; B 34 -14 756 705 |
| C 85 ; WX 792 | N a48 ; B 35 -14 758 705 |
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| C 88 ; WX 768 | N a51 ; B 35 -7 734 699 |
| C 89 ; WX 792 | N a52 ; B 35 -14 757 705 |
| C 90 ; WX 759 | N a53 ; B 35 0 725 692 |
| C 91 ; WX 707 | N a54 ; B 35 -13 672 704 |
| C 92 ; WX 708 | N a55 ; B 35 -14 672 705 |
| C 93 ; WX 682 | N a56 ; B 35 -14 647 705 |
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| C 100 ; WX 687 | N a63 ; B 36 0 651 692 |
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| C 105 ; WX 713 | N a68 ; B 35 -14 678 705 |
| C 106 ; WX 791 | N a69 ; B 35 -14 756 705 |
| C 107 ; WX 785 | N a70 ; B 36 -14 751 705 |
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| C 109 ; WX 873 | N a72 ; B 35 -14 838 705 |
| C 110 ; WX 761 | N a73 ; B 35 0 726 692 |
| C 111 ; WX 762 | N a74 ; B 35 0 727 692 |
| C 112 ; WX 762 | N a203 ; B 35 0 727 692 |
| C 113 ; WX 759 | N a75 ; B 35 0 725 692 |
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| C 115 ; WX 892 | N a76 ; B 35 0 858 705 |
| C 116 ; WX 892 | N a77 ; B 35 -14 858 692 |
| C 117 ; WX 788 | N a78 ; B 35 -14 754 705 |
| C 118 ; WX 784 | N a79 ; B 35 -14 749 705 |
| C 119 ; WX 438 | N a81 ; B 35 -14 403 705 |
| C 120 ; WX 138 | N a82 ; B 35 0 104 692 |
| C 121 ; WX 277 | N a83 ; B 35 0 242 692 |
| C 122 ; WX 415 | N a84 ; B 35 0 380 692 |
| C 123 ; WX 392 | N a97 ; B 35 263 357 705 |
| C 124 ; WX 392 | N a98 ; B 34 263 357 705 |
| C 125 ; WX 668 | N a99 ; B 35 263 633 705 |
| C 126 ; WX 668 | N a100 ; B 36 263 634 705 |
| C 128 ; WX 390 | N a89 ; B 35 -14 356 705 |
| C 129 ; WX 390 | N a90 ; B 35 -14 355 705 |
| C 130 ; WX 317 | N a93 ; B 35 0 283 692 |
| C 131 ; WX 317 | N a94 ; B 35 0 283 692 |
| C 132 ; WX 276 | N a91 ; B 35 0 242 692 |
No license file was found, but licenses were detected in source scan.

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FamilyName Times
Weight Medium
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Version 002.000
EncodingScheme AdobeStandardEncoding
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XHeight 441
Ascender 683
Descender -217
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StdVW 76
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C 35 ; WX 500 ; N numbersign ; B 2 0 540 676 ;
C 36 ; WX 500 ; N dollar ; B 31 -89 497 731 ;
C 37 ; WX 833 ; N percent ; B 79 -13 790 676 ;
C 38 ; WX 778 ; N ampersand ; B 76 -18 723 666 ;
C 39 ; WX 333 ; N quoteright ; B 151 436 290 666 ;
C 40 ; WX 333 ; N parenleft ; B 42 -181 315 669 ;
Open Source Used In Virtualized Voice Browser 12.6(1) 4321
C -1 ; WX 611 ; N Ecaron ; B -1 0 634 873 ;
C -1 ; WX 333 ; N Iogonek ; B -8 -169 384 653 ;
C -1 ; WX 444 ; N kcommaaccent ; B 14 -187 461 683 ;
C -1 ; WX 675 ; N minus ; B 86 220 590 286 ;
C -1 ; WX 333 ; N Icircumflex ; B -8 0 425 873 ;
C -1 ; WX 500 ; N ncaron ; B 14 -9 510 661 ;
C -1 ; WX 278 ; N tcommaaccent ; B 2 -217 296 546 ;
C -1 ; WX 675 ; N logicalnot ; B 86 108 590 386 ;
C -1 ; WX 500 ; N odieresis ; B 27 -11 489 606 ;
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C -1 ; WX 549 ; N notequal ; B 12 -29 537 541 ;
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C -1 ; WX 500 ; N eth ; B 27 -11 482 683 ;
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Open Source Used In Virtualized Voice Browser 12.6(1) 4346
Open Source Used In Virtualized Voice Browser 12.6(1) 4351
Open Source Used In Virtualized Voice Browser 12.6(1) 4360
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KPX Yacute eogonek -92
KPX Yacute hyphen -74
KPX Yacute i -74
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KPX Yacute icircumflex -34
KPX Yacute idieresis -34
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KPX Yacute imacron -34
KPX Yacute iogonek -74
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KPX Yacute ohungarumlaut -92
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KPX Yacute oslash -92
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KPX Ydieresis Ohungarumlaut -15
KPX Ydieresis Omacron -15
KPX Ydieresis Oslash -15
C -1 ; WX 333 ; N onesuperior ; B 26 283 237 710 ;
C -1 ; WX 278 ; N imacron ; B -8 0 285 678 ;
C -1 ; WX 556 ; N Euro ; B 0 0 0 0 ;
EndCharMetrics
StartKernData
StartKernPairs 2481
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KPX A Ccedilla -40
KPX A G -50
KPX A Gbreve -50
KPX A Gcommaaccent -50
KPX A O -40
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KPX A Q -40
KPX A T -90
KPX A Tcaron -90
KPX A Tcommaaccent -90
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KPX A Uring -50
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Open Source Used In Virtualized Voice Browser 12.6(1) 4401
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KPX Rcommaaccent Omacron -20
KPX Rcommaaccent Oslash -20
KPX Rcommaaccent Otilde -20
Open Source Used In Virtualized Voice Browser 12.6(1) 4411
Open Source Used In Virtualized Voice Browser 12.6(1) 4415
Open Source Used In Virtualized Voice Browser 12.6(1) 4431
package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}

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 */
} else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
    mask |= ACQUIRE;
} else if (ActionConstants.ACTION_RELEASE.equals(action)) {
    mask |= RELEASE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}

return mask;
}

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 */

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                mask |= ALL;
            }
            else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            }
            else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {
    public AllPermissions() {
        super("<all permissions>");
    }
}
@Override
public boolean implies(Permission permission) {
    return true;
}

@Override
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    public AllPermissionsCollection(boolean all) {
    }
}

```java
@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
```
package com.hazelcast.security.permission;

public class ReplicatedMapPermission
    extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        }

        return mask;
    }
}
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}
return mask;
}

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * @TODO Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * @TODO Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

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 */
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
if (!CONFIG_PATTERN_MATCHER.matches(that.getName(), this.getName())) {
return false;
}
return true;
}

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@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}
*/

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*/
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {
    private int hashcode;

    public ClusterPermission(String name) { 
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
        ClusterPermission other = (ClusterPermission) obj;
        if (getName() == null & other.getName() == null) {
            return false;
        }
        if (!getName().equals(other.getName())) {
        }
    }
}
return false;
}
return true;
}

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 */

package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final  int LOCK = 4;
    private static final  int READ = 8;
    private static final  int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else {
                mask |= action;
            }
        }
        return mask;
    }
}
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}

return mask;

}  

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }

}  


import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return this.getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {

    }
}

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*/

package com.hazelcast.security.permission;
@Override
public boolean implies(Permission permission) {
    return false;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    */
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;
public class ClusterPermissionCollection extends PermissionCollection {
    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;
    public ClusterPermissionCollection() {
        permClass = null;
    }
    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);
if (shouldAdd && !implies(permission)) {
    perms.add(permission);
}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

public Enumeration<Permission> elements() {
```java
return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
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 */

package com.hazelcast.security.permission;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.topic.impl.TopicService;
import java.security.Permission;
import java.util.HashMap;
```
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
        PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MapPermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MultiMapPermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new ListPermission(name, actions);
            }
        });
    }
}
public Permission create(String name, String... actions) {  
    return new ListPermission(name, actions);  
}

PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new SetPermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new AtomicLongPermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new CountDownLatchPermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new SemaphorePermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new TopicPermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new LockPermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new ExecutorServicePermission(name, actions);  
    }  
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new IdGeneratorPermission(name, actions);  
    }  
});
@Override
public Permission create(String name, String... actions) {
    return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
}
}
}
PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
    });
PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
    });
PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
    });
}
}
private ActionConstants() {
}
}
private interface PermissionFactory {
    Permission create(String name, String... actions);
}
/**
 * Creates a permission
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: "+ serviceName);
    }

    return permissionFactory.create(name, actions);
package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
mask |= DESTROY;
}
}
return mask;
}
}

@Override
protected int initMask(String[] actions) {
int mask = NONE;
for (String action : actions) {
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_ALL.equals(action)) {
    mask |= ALL;
}
return mask;
}
mask |= DESTROY;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}

1.390 mqtt-client 1.3

1.391 metrics-annotation 4.0.5

1.392 jackson-data 1.7.1
1.392.1 Available under license:

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/* Jackson JSON-processor.
 *
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 */

Found in path(s):
* /opt/cola/permits/1029039022_1615785862.49/0/jackson-mapper-asl-1-7-1-sources-jar/org/codehaus/jackson/map/MappingJsonFactory.java
1.393 libpciaccess 0.13.4 3.el7_3

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1.394 bouncy-castle 1.56

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- Locale fix for the clean room JCE.
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- initial implementation of the light weight Null block cipher.
- converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
- adding public key decoding to PEMReader.
- fix InsertZeroes and zero length messages in SMIMEMessage.
- initial implementation in OCSP response generation, fix to CertificateID issuer.
- help in isolating the JSSE/BC RSA key issue.
- initial implementation of the light weight Null block cipher.
- converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
- initial implementation in OCSP response generation, fix to CertificateID issuer.
- help in isolating the JSSE/BC RSA key issue.
- initial implementation of the light weight Null block cipher.
- converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
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<li>Atsuhiko Yamanaka <ymnk&#064jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov <tyrex&#064resoft.ru> - patch for class cast exception in AuthorityInformationAccess class.</li>
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<li>Vladimir Molotkov <vladimir.n.molotkov&#064intel.com> - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan <adlocflo&#064#064web.de> - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev <paulvlas&#064#064gmail.com> - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman <tom&#064#064tux.net> - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk <lukasz.b.kowalczyk&#064#064gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch <Arndt.Hasch&#064maxence.de> - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) <bernd.fix&#064credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirpool.</li>
<li>David M. Lee <dmlee&#064Crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon <md5&#064embody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung <t2cung&#064hotmail.com> - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz <cschultz&#064#064gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee <dmlee&#064Crossroads.com> - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees <joel.rees&#064ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francisca Sau <francesca.sau&#064partners.netfocus.es> - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee <bugbee&#064#064mac.com> - initial ECNR implementation.</li>
<li>Remi Blancher <Remi.Blancher&#064keynectis.com> - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke <brianorourke&#064gmail.com> - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier <andreas.schwier&#064cardcontact.de> - initial implementation of ISO9797 MAC Algorithm.
3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.

David Josse <david.josse@transacttools.net> - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiro <kazu-k@#064hi-ho.ne.jp> - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan <lwrntan@#064gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente <superdupont@#064gmail.com> - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

Olaf Keller, <olaf.keller.bc@#064bluewin.ch> - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn <eichhorn@#064ponton-consulting.de> - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme <widerstand@#064t-online.de> - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings.


CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz <carlos@tradise.com> - patch for <ctrl><m> only handling in CRLFOutputStream.

John Alfred Prufrock <j.a.prufrock@#064gmail.com> - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen <sneusatz@#064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice <marzio.logiudice@#064gmail.com> - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold <georg.lippold@#064gmx.de> - initial implementation of NaccacheStern cipher.

Chris Viles <chris_viles@#064yahoo.com> - fix to SignatureSubpacket critical bit setting.

Pasi Eronen <Pasi.Eronen@nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova <maria.ivanova@#064gmail.com> - support for tags > 30 in ASN.1 parsing.

Armin H&auml;ammlerling <arminh@#064student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder <mschilder@#064google.com> - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch <xavier@#064britannysoftware.com> - general code clean ups.
Erik Tews <e_tews@cdc.informatik.tu-darmstadt.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon <reikomusha@064gmail.com> - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis <info@064frankcornelis.be> - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim <rjoaquim@064cc.isel.ipl.pt> - initial implementation of RSA blinding for signatures.

David Stacey <DStacey@064allantgroup.com> - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers <list@064mitm.nl> - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies <juliusdavies@064gmail.com> - additional modes and algorithm support in PEMReader.

Matthias <g@064rtner.de> - GnuPG compatibility changes for PBEFileProcessor.

Olga K&auml;thler <olga.kaethler@064hp-consulting.com> - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo <germano.rizzo@064gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&amp;aacute;ria Mar&amp;aacute; <numaa@064hotmail.com> - patch for alternate data type recognition in CMSSignedDataParser.

Janis Schuller <js@064tzi.de> - addition of NotationData packets for OpenPGP.

Michael Samblanet <mike@064samblanet.com> - patches towards improved Sun/default provider support in CMS.

Mike StJohns <mstjohns@064comcast.net> - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.

Ramon Keller <ramon.keller@064gmx.ch> - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson <mark@064nbor.com> - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov <eugene_gff@064ukr.net> - mask fix to single byte read in TLSInputStream.

Julien Pasquier <julienpasquier@064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp <pknopp@064mtg.de> - fix for named curve recognition in ECGOST key generation.

Jakub Gwozdz <sgwozdiu@064rpm.pl> - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski <bmalkow@064tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi <tal.yacobi@064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi <massimiliano.ziccardi@064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.

Andrey Pavlenko <andrey.a.pavlenko@064gmail.com> - security manager patch for PKCS1Encoding property check.

Mike StJohns <mstjohns@064comcast.net> - updates to KeyPurposeId.

J Ross Nicoll <jrn@064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson <mavricknz@064yahoo.com> - patch to construtor for CRMF CertSequence.

Gabriele Contini <gcontini@064toppop.com> - identified a bug in ASN.1 library with handling of unterminated NDEFs.

Roelof Naude <roelof.naude@064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck <peck@064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
Michael LeMay <lemaymd@064lemaymd.com> - identified problem with EAX [#BJA-93].
Alex Dupre <ale@064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].
Michael Schoene <michael@064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ion Laarakntilde;aga <i.jarara@064s21sec.com> fix to default partial packet generation in BCPCOutputSteam.

Bob Kerns <bob.kerns@064positscience.com> fix to hashCode for X509CertificateObject.

Stefan Meyer <stefan.meyer@064ewe.de> backport for PKIXCertPathValididor and SMIMESignedMailReviewer.

Robert J. Moore <Robert.J.Moore@064allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai <rui@064po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic <emir.bucalovic@064mail.com> initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson <tobbe79@064gmail.com> initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick <bounceycastle_pfitz@064 Fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson <k.henrik.andersson@064gmail.com> addition of UniqueIssuerID to certificate generation.

Cagdas Cirit <cagdascirit@064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.

Harakiri <harakiri_23@064yahoo.com> datahandler patch for attached parts in SMIME signatures.

Pedro Henriques <pmahenriques@064gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimminger <job@064kimminger.de> verbose mode for ASN1Dump, support for DERExternal.

Richard Farr <rfarr.se@064gmail.com> initial SRP-6a implementation.

Thomas Castiglione <castiglione@064au.ibm.com> patch to encoding for CRMF OptionalValidity.

Elisabetta Romani <eromani@064sogei.it> patch for recognising multiple counter signatures.

Robin Lundgren <r737lundgren@064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec <mormegil@064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener <antener_a@064gxmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat <hsrawat@064yahoo.com> fix for BERConstructedOctetString.

Rolf Lindemann <lindeumann@064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov <alexart.home@064gmail.com> name look up patch for GOST-2001 parameters.

Mike Lyons <mlyons@064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole <chris_h_cole@064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek <tom@064aattack.cz> added checking of Sender header to SignedMailValidator.

Michael <emfau@064t-online.de> correction of field error in getResponse method in CertRepMessage.

Trevor Perrin <trevor@064cryptography.com> addition of constant time equals to avoid possible timing attacks.

Markus Kil&aring;ngs <markus@064primekey.se> several enhancements to TimeStampResponseGenerator.

Dario Novakovic <darionis@064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.
<li>Michael Smith <msmith@064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio <andrea.zilio@064gmail.com> fix for PEM password encryption of private keys.</li>
<li>Alex Birkett <alex@064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant <waynedgrant@064gmail.com> additional OIDs for PCKS10 and certificate generation support.</li>
<li>Frank Cornelis <info@064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner <jan@064dittberner.info> addHeader patch for SMIME generator.</li>
<li>Bob McGowan <boab.mcgoo@064btinternet.com> patch to support different content and mgf digests in PSS signing.</li>
<li>Ivo Matheis <i.matheis@064seeburger.de> fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini <messche@064gmail.com> patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf <alfemail@064hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa <alfonso.massa@064insiel.it> contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo <gboccardo@064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu <arnis@064ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociński <J.Sikociinski@064gddzie.pl> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <jhudolejev@064gmail.com> JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten <liane.velten@064hjp-consulting.com> fine tuning of code for DHParmameters validation.</li>
<li>Shawn Willden <swillden@064google.com> additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev <akrachev@064gmail.com> added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking <mickael.laiking@064keynecits.com> initial cut of EAC classes.</li>
<li>Tim Buktu <tbuktu@064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <bernd@064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak <stein.inge.morisbak@064BEKK.no> Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid <andreas.schmid@064ntngtech.com> Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz <phil.steitz@064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin <ignat.korchagin@064gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov <p.petrov@064hers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick <daniel.f.nwr@064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson <Andy.Neilson@quest.com> a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw <xiao.xj@064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth <Eleriseth@WPECGLYbVi8Rl6Y7Vz2Lvd2EUVW99v3yNV3IWROG8.fms> speed up for SIC/CTRI mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root <kenny@064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for Aead.</li>
<li>Maarten Bodewes <maarten.bodewes@064gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay <phil_b@064yahoo.com> Initial implementation of J-PAKE.
Brian Carlstrom <bdc@064carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidén <samuel@064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner <sergiolerner@064certimix.com> pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington <Tim.Whittington@064orionhealth.com> patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST5 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad@064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin@064xrm.ru> patch for override of TSP SignerInfo attributes.

Sergey Tiunov <t5555d@064gmail.com> initial cut of DVCS classes.

Damian Kolasa <fatfreddy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPPrivateKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev@064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci <daniele.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio@064mletics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.

Eric Muehlenbller <eric.mueller@064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts <Mathias.Herberts@gmail.com> fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov <daniil.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso <daniele.grasso86@064gmail.com> contributions to final Key calculation code for SRP6.

Andrey Utkin <cindrhc@064gmail.com> patch to reconstruction of EC keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB <axel-vdb@064riseup.net> initial implementation of Shacal2.

Roberto Tyley <> further work on completing grade build.

Waldemar Dick <wdick@devmue.de> code improvement in x500 ASN.1 package.

Sid Stewart <sid.steward@064pdlabs.com> code improvements to ASN1Boolean.

Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.

Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter <andreas.reiter@064iaik.tugraz.at> Reported incomplete status of CertificateVerify processing.
in (D)TLS server, and provided fix.</li>
<li>Kieran Miller <kieran.miller&#064gmail.com> initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli <ehli&#064arago.de> Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt <Daniel.Heldt&#064cryptovision.com> Initial support for encodable state message digests</li>
<li>Robert Bushman <bouncycastle&#064traelx.com> Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts <saarts&#064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.</li>
<li>KB Sriram <mail_kb&#064yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Martin Schaef <https://github.com/martinschaef> contributed a code-clean up patch.</li>
<li>Lijun Liao <lijun.liao&#064gmail.com> addition of getSignatureAlgorithmID to BasicOCSPResp.</li>
<li>KB Sriram <mail_kb&#064yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Maurice Aarts <saarts&#064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>
<li>Jens Kapitza <lj.kapitza&#064schwarze-allianz.de> Initial support for encodable state message digests</li>
<li>Maurice Aarts <saarts&#064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>
<li>Martin Schaef <https://github.com/martinschaef> contributed a code-clean up patch.</li>
<li>Lijun Liao <lijun.liao&#064gmail.com> addition of getSignatureAlgorithmID to BasicOCSPResp.</li>
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<li>Maurice Aarts <saarts&#064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>
<li>Jens Kapitza <lj.kapitza&#064schwarze-allianz.de> Initial support for encodable state message digests</li>
without passwords originally.

Jan Willem Janssen <j.w.janssen+bouncycastle@064lxtrme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.

Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.

Kai Kramer <kai.kramer@064gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles <benoit.charles@064opentrust.com> Fix for IES data length check on decryption.

Niko <nfink95@064gmail.com> fix to cast issue in getOutputSize() for ECIES.

akwizgran <https://github.com/akwizgran> Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.

Matthias Edelhoff <Matthias.Edelhoff@064cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.

Lukasz Deputat <lukasz.deputat@064cryptovision.com> Fixed bugs in TLsUtils read methods [#BJA-592].

Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.

Andrzej Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

Slawomir Jaranowski <https://github.com/slawekjaranowski> Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev <https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.

William Glanton <wglanton77@064gmail.com> Fixed bug in Poly1305 [#BJA-620].

jdvorak001 <https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegele <jnaegele@grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.

The Intel Security Team <> analysis detecting the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.

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Found in path(s):
*/opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
jar/org/apache/xmlbeans/XmlTokenSource.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/PrePostExtension.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/impl/util/Diff.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/InterfaceExtension.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/BindingConfig.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/impl/util/FilerImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/Filer.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/impl/config/PrePostExtensionImpl.java

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History:

<table>
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<th>Who</th>
<th>What</th>
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<tr>
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<td>dl</td>
<td>Created</td>
</tr>
<tr>
<td>14dec1999</td>
<td>jmm</td>
<td>snapshot</td>
</tr>
<tr>
<td>19apr2000</td>
<td>dl</td>
<td>use barrierLock</td>
</tr>
<tr>
<td>12jan2001</td>
<td>dl</td>
<td>public release</td>
</tr>
<tr>
<td>17nov2001</td>
<td>dl</td>
<td>Minor tunings</td>
</tr>
<tr>
<td>20may2002</td>
<td>dl</td>
<td>BarrierLock can now be serialized.</td>
</tr>
<tr>
<td>09dec2002</td>
<td>dl</td>
<td>Fix interference checks.</td>
</tr>
</tbody>
</table>

/*

Found in path(s):
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/impl/common/ConcurrentReaderHashMap.java
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/**
 **
**
* If this option is set, the unique particle attribution rule is not
* enforced when building a <code>SchemaTypeSystem</code>. See
* <a target="_blank" href="http://www.w3.org/TR/xmlschema-1/#non-ambig">Appendix H of the XML Schema
* specification</a>
* for information on the UPA rule.
*
* @see XmlBeans#compileXsd
*/

Found in path(s):
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-
  jar/org/apache/xmlbeans/XmlOptions.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/schema/StscComplexTypeResolver.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/schema/StscState.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/tool/XMLBean.java

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Found in path(s):
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/SchemaAttributeModel.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlIntegerImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlGMonthDay.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/xml/stream/ChangePrefixMapping.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/util/XsTypeConverter.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/JavaDoubleHolder.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlTimeImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/schema/SchemaStringEnumEntryImpl.java
Open Source Used In Virtualized Voice Browser 12.6(1) 4497
Open Source Used In Virtualized Voice Browser 12.6(1) 4499
jar/org/apache/xmlbeans/impl/values/JavaHexBinaryHolderEx.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlNegativeIntegerImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/tool/SchemaImportResolver.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/common/JarHelper.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlStringRestriction.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/JavaDecimalHolderEx.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlBooleanRestriction.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlNCName.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlGMonth.java
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* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/schema/StringEnumEntry.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/common/Mutex.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/schema/SchemaTypeLoaderImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/JavaDoubleHolderEx.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlDocumentProperties.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/schema/SchemaLocalAttribute.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/common/ReaderInputStream.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/common/IOUtil.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlNmTokensImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmID.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmError.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/schema/StscSimpleTypeResolver.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/xpath/saxon/XBeansXPath.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlDoubleImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlLanguage.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlIdRefsImpl.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/soap/MessageFactory.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/SchemaAnnotated.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/XmlNMTOKENS.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/TypeStoreUser.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/tool/SchemaResourceManager.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlDoubleRestriction.java
* /opt/cola/permits/1104749619_1611188760.52/0/xmlbeans-2-5-0-source-jar/org/apache/xmlbeans/impl/values/XmlFloatRestriction.java

1.396 jackson-datatype-guava 2.10.2

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1.397 curl 7.26.0

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=============

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1.398 libxvmc 1.0.10-1.el7

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1.399 bctls-fips 1.0.10
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```java
public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");
```

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1074028448_1595542545.37/0/bctls-fips-1-0-10-sources-
jar/org/bouncycastle/tls/ProtocolName.java

1.400 aws-java-sdk-kms 1.11.61

1.401 libffi 3.0.13 18.el7
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1.403 open-csv 3.3

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1.404 curl 7.60.0

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1.405 struts2-tiles-plugin 2.5.22

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1.406 json-glib 1.4.2 2.el7

1.407 findutils 4.5.11 6.el7
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Local Variables:
ispell-local-pdict: "ispell-dict"
End:
1.408 icu 50.1.2-17.el7
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```makefile
## *.makefile*.
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```
## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## End FreeBSD-specific setup

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*/

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  * /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-
    jar/com/beust/jcommander/validators/NoValidator.java

1.413 hibernate-commons-annotations

3.3.0.ga

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/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialPort()
 */
/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialScheme()
 */
/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */
/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */
/**
 * @param confidentialPort
 *            The confidentialPort to set.
 */
/**
 * @param confidentialScheme
 *            The confidentialScheme to set.
 */

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/**
 * Find out if the request supports CONFIDENTIAL security.
 * @param request the incoming HTTP request
 * @return the result of calling {Connector#isConfidential(Request)}, or false
 * if there is no connector
 */

Connector: HTTP Connector.
server: MObject:RO:The server for this connector
requestHeaderSize: The size of a request header buffer
requestBufferSize: The size of a request content buffer
responseHeaderSize: The size of a response header buffer
responseBufferSize: The size of a response content buffer
integralPort: Port to use for integral redirections
integralScheme: Scheme to use for integral redirections
confidentialPort: Port to use for confidential redirections
confidentialScheme: Scheme to use for confidential redirections
host: Host name to accept connections on
port: TCP/IP port to accept connections on
maxIdleTime: Maximum time in ms that a connection can be idle before being closed
statsOn: True if statistics collection is turned on.
statsOnMs: Time in milliseconds stats have been collected for.
statsReset(): Reset statistics.
connections: Number of connections accepted by the server since statsReset() called. Undefined if setStatsOn(false).
connectionsOpen: Number of connections currently open that were opened since statsReset() called. Undefined if setStatsOn(false).
connectionsOpenMax: Maximum number of connections opened simultaneously since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMean: Mean duration in milliseconds of open connections since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationStdDev: Standard deviation of duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMax: Maximum duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationTotal: Total duration in milliseconds of all open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMean: Mean number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsStdDev: Standard deviation of number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMax: Maximum number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
requests: Number of requests since statsReset() called. Undefined if setStatsOn(false).
open(): Open the listening port
close(): Close the listening port (but allow existing connections to continue for graceful shutdown)

Found in path(s):
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/jmx/Connector-mbean.properties
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been
 * told about an confidential port, and said port is not our port, then
 * we're not. This allows separation of listeners providing INTEGRAL versus
 * CONFIDENTIAL constraints, such as one SSL listener configured to require
 * client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */

Found in path(s):
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/ssl/SslSelectChannelConnector.java
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AbstractConnector: Abstract implementation of the Connector interface.
acceptors: The number of acceptor threads.
acceptQueueSize: The size of the accept queue.
acceptorPriorityOffset: Priority offset of the acceptor threads. The priority is adjusted by this amount to either favor the acceptance of new threads and newly active connections or to favor the handling of already dispatched
connections.
forwardedForHeader: The header name for forwarded for (default x-forwarded-for).
forwardedHostHeader: The header name for forwarded hosts (default x-forwarded-host)
forwardedServerHeader: The header name for forwarded server (default x-forwarded-server)
forwarded: Whether reverse proxy handling is on. True if this connector is checking the forwarded for/host/server
headers.
host: Host name of the server.
hostHeader: Forced value for the host header. Only used if forwarded is true.
soLingerTime: Enable or disable SO_LINGER with the specified linger time in seconds.
reuseAddress: Whether the server socket will be opened in SO_REUSEADDR mode.
name: Name of the connector.
resolveNames: Whether or not to use DNS when handling forwards.
confidentialPort: Port to use for confidential redirections.
confidentialScheme: Scheme to use for confidential redirections.
integralPort: Port to use for integral redirections.
integralScheme: Scheme to use for integral redirections.
lowResourcesMaxIdleTime: The period in ms that a connection may be idle when the connector has low resources,
before it is closed.

Found in path(s):
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/jmx/AbstractConnector-mbean.properties
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/**
 * @return The port to use when redirecting a request if a data constraint of confidential is
 * required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @return The schema to use when redirecting a request if a data constraint of confidential is
 * required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @param request A request
 * @return true if the request is confidential. This normally means the https schema has been used.
 */

Found in path(s):
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been told about an
 * confidential port, and said port is not our port, then we're not. This allows separation of
 * listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
 * configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */
/**
 * By default, we're integral, given we speak SSL. But, if we've been told about an integral
 * port, and said port is not our port, then we're not. This allows separation of listeners
 * providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
 * require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
 * client certs providing mere INTEGRAL constraints.
 */

Found in path(s):
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/ssl/SslSocketConnector.java

1.416 openssl 1.0.1e-42.el7.9
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1.418 poi 3.17

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inbot-utils (https://github.com/Inbot/inbot-utils)

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text" />
    <xsl:value-of select="$isc.copyright.leader" />
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))" />
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')" />
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest" />
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    Permission to use, copy, modify, and/or distribute this software for any
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    copyright notice and this permission notice appear in all copies.
  </xsl:variable>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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1.420 wide-dhcpv6 20080615

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This package was redhatized by David Beveridge <dave@bevhost.com> May 2013.
The ubuntu patches that are included were downloaded from

This package was debianized by Jeremie Corbier <jeremie.corbier@resel.enst-bretagne.fr> on Sat, 28 Jan 2006 23:30:58 +0100.

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1.421 oauth 20100527

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 * SystemFilter.java May 2006
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```
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* ElementException.java July 2006
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/ElementException.java

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```
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* ElementMapParameter.java July 2009
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/ElementMapParameter.java
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 * ArrayInstance.java January 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/ArrayInstance.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/EventReader.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/DefaultType.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/util/Cache.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/PrimitiveList.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/PrimitiveList.java
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* DetailScanner.java July 2012
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/DetailScanner.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/TextLabel.java
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* ObjectInstance.java April 2007
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* ClassType.java January 2010
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 * InstantiatorBuilder.java July 2011
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 * NamespaceMap.java July 2008
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/NamespaceMap.java
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* Visitor.java January 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/strategy/Reference.java
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 * PathParser.java November 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/PathParser.java
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 * StackFilter.java May 2006
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 * Dictionary.java July 2006
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 * ElementListUnionParameter.java July 2009
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arj/org/simpleframework/xml/core/ElementListUnionParameter.java
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 * StructureBuilder.java November 2010
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arj/org/simpleframework/xml/core/StructureBuilder.java
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 * GroupExtractor.java March 2011
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jar/org/simpleframework/xml/core/MethodContact.java
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 * AttributeParameter.java July 2009
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/AttributeParameter.java
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 * EnumTransform.java May 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/transform/EnumTransform.java
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 * OutputNode.java July 2006
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NamespaceList.java July 2008

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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/HyphenStyle.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-
  jar/org/simpleframework/xml/core/PrimitiveInlineList.java
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* Validate.java July 2006
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar- zip/simple-xml-2-7-sources- jar/org/simpleframework/xml/core/Validate.java

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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar- zip/simple-xml-2-7-sources- jar/org/simpleframework/xml/strategy/TreeStrategy.java

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* Group.java March 2011
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* Scanner.java January 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/NamespaceDecorator.java
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jar/org/simpleframework/xml/stream/Builder.java
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 * MethodName.java April 2007
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* PrimitiveFactory.java July 2006
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  jar/org/simpleframework/xml/core/AttributeLabel.java
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  jar/org/simpleframework/xml/core/CompositeValue.java
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jar/org/simpleframework/xml/core/Comparer.java
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simple-xml-2-7-sources
jar/org/simpleframework/xml/core/ContactMap.java
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jar/org/simpleframework/xml/core/ElementListParameter.java
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jar/org/simpleframework/xml/core/Detail.java
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jar/org/simpleframework/xml/core/MethodPartFactory.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/OutputNodeMap.java
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* InputNodeMap.java July 2006
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ArrayMatcher.java May 2007

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* PullProvider.java January 2010
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* ElementListUnionLabel.java March 2011
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  jar/org/simpleframework/xml/core/ElementListUnionLabel.java
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* jar/org/simpleframework/xml/core/DefaultDetail.java
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* PrimitiveArrayTransform.java May 2007
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* jar/org/simpleframework/xml/transform/ArrayTransform.java
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* PrimitiveMatcher.java May 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/transform/PrimitiveMatcher.java
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 * OutputBuffer.java June 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-5ip/simple-xml-2-7-sources-
  jar/org/simpleframework/xml/core/ElementArrayParameter.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/OutputAttribute.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/CacheLabel.java
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* ElementMapUnionParameter.java July 2009
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/Style.java

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NodeWriter.java July 2006

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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/NodeWriter.java

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ArrayFactory.java July 2006

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*/opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-7zogl/simple-xml-2-7-sources-
org/simpleframework/xml/core/ArrayFactory.java
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* PrimitiveValue.java July 2007
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org/simpleframework/xml/core/PrimitiveValue.java
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* InputNode.java July 2006
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jar/org/simpleframework/xml/stream/InputNode.java
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* GregorialCalendarTransform.java May 2007
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jar/org/simpleframework/xml/transform/GregorianCalendarTransform.java
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* BooleanTransform.java May 2007
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* jar/org/simpleframework/xml/transform/BooleanTransform.java
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* ModelMap.java November 2010
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* jar/org/simpleframework/xml/core/ModelMap.java
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* CurrencyTransform.java May 2007
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* Resolver.java February 2001
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-just/simple-xml-2-7-sources-
  jar/org/simpleframework/xml/core/SignatureCreator.java
* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-just/simple-xml-2-7-sources-
  jar/org/simpleframework/xml/core/Creator.java
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* ConverterFactory.java January 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-1piz/simple-xml-2-7-sources-
jar/org/simpleframework/xml/convert/ConverterFactory.java
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jar/org/simpleframework/xml/stream/DocumentReader.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/Instance.java
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 * AttributeException.java July 2006
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/AttributeException.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/Caller.java

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 * ElementMapUnion.java March 2011
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jar/org/simpleframework/xml/util/ConcurrentCache.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/transform/DateTransform.java

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  jar/org/simpleframework/xml/core/Commit.java
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  jar/org/simpleframework/xml/core/VersionLabel.java
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 * ParameterFactory.java July 2006
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 * LocaleTransform.java May 2007
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  jar/org/simpleframework/xml/core/Extractor.java
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 */
jar/org/simpleframework/xml/core/ClassInstantiator.java
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 * AtomicLongTransform.java January 2013
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/transform/AtomicLongTransform.java
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 * EmptyMatcher.java May 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-<zip>/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/CompositeList.java
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  jar/org/simpleframework/xml/core/ProviderFactory.java
No license file was found, but licenses were detected in source scan.
jar/org/simpleframework/xml/stream/ProviderFactory.java
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* Qualifier.java July 2008
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* OutputElement.java July 2006
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/OutputElement.java
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 * AtomicIntegerTransform.java January 2013
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/transform/AtomicIntegerTransform.java

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 * DefaultScanner.java July 2006
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 * Decorator.java July 2008
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jar/org/simpleframework/xml/core/Decorator.java

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 * SignatureBuilder.java July 2009
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jar/org/simpleframework/xml/core/SignatureBuilder.java

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 * Verbosity.java July 2012
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  jar/org/simpleframework/xml/ElementMap.java
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  jar/org/simpleframework/xml/strategy/Name.java
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  jar/org/simpleframework/xml/strategy/ReadState.java
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  jar/org/simpleframework/xml/stream/NodeStack.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-74285.zip/simple-xml-2-7-sources-jar-74285/org/simpleframework/xml/Path.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-‌‌zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/Schema.java

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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-
jar/org/simpleframework/xml/core/SessionManager.java
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 * ModelAssembler.java November 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zi
simple-xml-2-7-sources-jar/org/simpleframework/xml/core/ModelAssembler.java
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 * Order.java November 2007
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zi
simple-xml-2-7-sources-jar/org/simpleframework/xml/Order.java
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 * EventElement.java January 2010
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/stream/EventElement.java
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/Support.java
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* CompositeListUnion.java March 2011
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/CompositeListUnion.java

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* GetPart.java April 2007
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* ElementUnionLabel.java March 2011
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/ElementUnionLabel.java
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* Transformer.java May 2007
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jar/org/simpleframework/xml/transform/Transformer.java
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* ValueRequiredException.java July 2006
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* ElementUnion.java March 2011
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* /opt/cola/permits/1000543910_1611294975.98/0/simple-xml-2-7-sources-jar-zip/simple-xml-2-7-sources-jar/org/simpleframework/xml/core/MethodScanner.java

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1.426 zlib 1.2.3

1.426.1 Available under license:
/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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1.427 berkeley-db 4.7.25

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jar/org/conscrypt/ct/CTLogStore.java
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* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1-jar/org/conscrypt/IvParameters.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1-jar/org/conscrypt/ActiveSession.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1-jar/org/conscrypt/DESEDESecretKeyFactory.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/ExperimentalApi.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/ECParameters.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/OpenSSLSignatureRawECDSA.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/ExternalSession.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/AbstractConscryptEngine.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/Conscrypt.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/ApplicationProtocolSelector.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/ConscryptSession.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/NativeSsl.java
* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1.jar/org/conscrypt/AbstractConscryptSocket.java

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* /opt/cola/permits/1136972838_1613985922.99/0/conscrypt-openjdk-uber-2-2-1-sources-1-jar/org/conscrypt/OpenSSLProvider.java
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/**
 * Provides the Java side of our JNI glue for OpenSSL.
 * <p>
 * Note: Many methods in this class take a reference to a Java object that holds a
 * native pointer in the form of a long in addition to the long itself and don't use
 * the Java object in the native implementation. This is to prevent the Java object
 * from becoming eligible for GC while the native method is executing. See
 * <a href="https://github.com/google/error-prone/blob/master/docs/bugpattern/UnsafeFinalization.md">this</a>
 * for more details.
 */

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  jar/org/conscrypt/Internal.java
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  jar/org/conscrypt/Java8PlatformUtil.java
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* /opt/cola/permits/1111391497_1606905831.98/0/spring-aop-4-3-14-release-sources-1-jar/org/springframework/aop/framework/ClassFilter.java
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1.444 libcroco 0.6.11 1.el7

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1.446 jackson-dataformat-xml 2.11.2

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1.447 net-tools 2.0 0.24.20131004git.el7

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  * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/FrameNode.java
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  * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/MethodWriter.java
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  * /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/CheckFieldAdapter.java
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.464 stax 3.1.4

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* /opt/cola/permits/1129090477_1612176217.67/o/stax2-api-3-1-4-sources-
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/Stax2WriterImpl.java
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* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-jar/org/codehaus/stax2/ri/typed/Base64DecoderBase.java
/* Reference Implementation of
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jar/org/codehaus/stax2/typed/Base64Variants.java
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jar/org/codehaus/stax2/XMLStreamReader2.java
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jar/org/codehaus/stax2/ri/typed/ValueDecoderFactory.java
* /opt/cola/permits/1129090477_1612176217.67/0/stax2-api-3-1-4-sources-
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1.474 libuv 1.34.2

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1.475 libsoup 2.56.0-6.el7

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
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1.480 commons-io 2.7

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1.481 boost 1.53.0-27.el7

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Boost.Geometry (aka GGL, Generic Geometry Library)

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All the value based traits in this library conform to MPL's requirements for an integral constant type: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `true_type` inherits from `boost::mpl::true_`, `false_type` inherits from `boost::mpl::false_`, and `integral_constant<T,v>` inherits from `boost::mpl::integral_c<T,v>` (provided `T` is not `bool`).
Open Source Used In Virtualized Voice Browser 12.6(1) 5253

Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant, Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven Watanabe.

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely...
Due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mitame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied Linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(ages@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.) Boost Software License - Version 1.0 - August 17th, 2003

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--- end ---

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//
//////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

    template <class T, T val>
    struct integral_constant
    {
        static const T value = val;
        typedef integral_constant<T,val> type;
    };

    template< bool C_ >
    struct bool_ : integral_constant<bool, C_> 
    {
        static const bool value = C_; 
    };

    typedef bool_<true> true_;
    typedef bool_<false> false_;

    typedef true_ true_type;
    typedef false_ false_type;

    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

    template <bool B, class T = void>
    struct enable_if_c {
    typedef T type;
    };

    template <class T>
    struct enable_if_c<false, T> {};

    template <class Cond, class T = void>
    struct enable_if : public enable_if_c<Cond::value, T> {};

    template <class Cond, class T = void>
    struct disable_if : public enable_if_c<!Cond::value, T> {};

    template <class T, class U>
    class is_convertible
    {
        typedef char true_t;
        class false_t { char dummy[2]; };
        static true_t dispatch(U);
    }
}
static false_t dispatch(...);
static T trigger();

public:
static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C,
    typename T1,
    typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1,
    typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1,
    typename T2,
    typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};
// identity is an extension: it is not part of the standard.

template <class T>
struct identity

// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
        { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

}  //namespace ipcdetail {
}  //namespace interprocess {
}  //namespace boost {

#endif   //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

===========================================================================
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Index: boost/mpl/print.hpp
===================================================================
--- boost/mpl/print.hpp (revision 83411)
+++ boost/mpl/print.hpp (working copy)
@@ -45,22 +45,21 @@
    : mpl::identity<T>
#if defined(__MWERKS__)
    , aux::print_base
+    
-    enum {
-        n = sizeof(T) + -1 }
+-    if defined(__MWERKS__)
+        , aux::print_base
-#endif
+#endif
+}

#if defined(BOOST_MSVC)
    enum { n = sizeof(T) + -1 };
#elif defined(__MWERKS__)
    void f(int);
-#else
-    enum {
-        n =
-# if defined(__EDG_VERSION__)
-        aux::dependent_unsigned<T>::value > -1
-# else
-        sizeof(T) > -1

template<  
    class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

    template<  
        bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;  
    operator bool() const { return bool_::value; }
};

typedef bool_<true> true_;  
typedef bool_<false> false_;  

typedef true_ true_type;  
typedef false_ false_type;  

typedef char yes_type;  
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c
{
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};  

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};  

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};  

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};  

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
        enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };  
};  

template<
bool C
, typename T1
, typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
, typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
, typename T2
, typename T3
>
struct if_c
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  }
    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;  }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const

template<\std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

namespace container { namespace container_detail {
    #endif  //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
}  //namespace boost {
}  //namespace container {
Copyright:

/+/  
+-----------  
\+/

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#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

Open Source Used In Virtualized Voice Browser 12.6(1) 5268
#include <boost/intrusive/detail/config_begin.hpp>
#include <cstdint>
namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two {one _[2];};

template< bool C_ >
struct bool_
{
    static const bool value = C_;
};

typedef bool_<true> true_;
typedef bool_<false> false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

template <class T, class U>
class is_convertible
typedef char true_t;
class false_t { char dummy[2]; }; static true_t dispatch(U);
static false_t dispatch(...);
static const T &trigger();
public:
static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
>
    , typename T1
    , typename T2
>
    struct if_c
    {
        typedef T1 type;
    };

template<
    typename T1
    , typename T2
>
    struct if_c<false,T1,T2>
    {
        typedef T2 type;
    };

template<
    typename C
    , typename T1
    , typename T2
>
    struct if_
    {
        typedef typename if_c<0 != C::value, T1, T2>::type type;
    };

template<
    bool C
    , typename F1
    , typename F2
>
    struct eval_if_c
    : if_c<C,F1,F2>::type
    {};

template<
    typename C
 , typename T1
 , typename T2
>
struct eval_if
 : if_<C,T1,T2>::type
{
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) && !defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{
    static const bool value = false;
};

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(())>
{
    static const bool value = true;
};

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{
    static const bool value = true;
};

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)(())>
{
    static const bool value = true;
};

#endif
#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)(R*)>
{  static const bool value = true;  };

#endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(R*)>
{  static const bool value = true;  };

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{  static const bool value = true;  };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{  static const bool value = true;  };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{  static const bool value = true;  };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{  static const bool value = true;  };

#endif

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>
{  static const bool value = true;  };

#endif
template <typename R, class T0>
struct is_unary_or_binary_function_impl<R(__cdecl*)(T0...)>
{ static const bool value = true; };  

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{ static const bool value = true; };  

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{ static const bool value = true; };  

#else

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R(__stdcall*)(T0, T1)>
{ static const bool value = true; };  

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R(__fastcall*)(T0, T1)>
{ static const bool value = true; };  

#endif

#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R(__cdecl*)(T0, T1)>  
{ static const bool value = true; };  

#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{ static const bool value = false; };  

template<typename T>
struct is_unary_or_binary_function
static const bool value = is_unary_or_binary_function_impl<T>::value;

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative

template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
    char c;
    T t;
    alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

template <typename T>
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template <typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

    template <typename V>
    static yes_type is_same_tester(V*, V*);
    static no_type is_same_tester(...);

    static T *t;
    static U *u;

    static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};
template<typename T>
struct add_const
{  typedef const T type;   };

template<typename T>
struct remove_const
{  typedef T type;   };

template<typename T>
struct remove_const< const T>
{  typedef T type;   };

template<typename T>
struct remove_cv
{  typedef T type;   };

template<typename T>
struct remove_cv< const T>
{  typedef T type;   };

template<typename T>
struct remove_cv< const volatile T>
{  typedef T type;   };

template<typename T>
struct remove_cv< volatile T>
{  typedef T type;   };

template<class T>
struct remove_reference
{  
   typedef T type;
};

template<class T>
struct remove_reference<T&>
{  
   typedef T type;
};

template<class Class>
class is_empty_class
{  
   template <typename T>
   struct empty_helper_t1 : public T
   {  
      empty_helper_t1();
      int i[256];
   };
struct empty_helper_t2
{
    int i[256];
};

public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

//BOOST_INTRUSIVE_DETAIL_MPL_HPP

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [Integral Constant type]: that includes a number of rather intrusive workarounds for broken compilers.
Purely as an implementation detail, this means that `__true_type` inherits from `boost::mpl::true_`, `__false_type` inherits from `boost::mpl::false_`, and `__integral_constant<T, v>` inherits from `boost::mpl::integral_c<T,v>` (provided `T` is not `bool`)

[endsect]

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*/
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*
*/

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:

struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f) {}
private:
    split_path& operator=(const split_path&);
std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href="""" << (p.root / p.file).string() << "">"" << p.file.string() << """";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output."
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
"<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
<head>
<title>Boost Licence Dependency Information</title>
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
    os <<
"</head>
"}
"<body>"
"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os << 
"</H1>";
"<H2>Contents</h2>
"<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode)
os << "<a href="#summary">Licence Summary</a>
os << "<a href="#details">Licence Details</a>
while(i != j)
{
    // title:
os << " <A href="#'" << make_link_target(licenses.first[i->first].license_name)
    "'><"/a>" << licenses.first[i->first].license_name << "</a>"
    ++i;
}
os << "<a href="#files">Files with no recognised license</a>
"<a href="#authors">Files with no recognised copyright holder</a>
if(!m_bsl_summary_mode)
{
    os << 
    "Moving to the Boost Software License...
    "<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>
    "<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>
    "<a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>
    "<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>
    "<a href="#copyright">Copyright Holder Information</a>
}
os << 
"<a href="#depend">File Dependency Information</a>
"</pre>";
//
// input Information:
//
os << "<a name="#input"></a><h2>Input Information</h2>
if(m_scan_mode)
os << "The following files were scanned for boost dependencies:";
else
os << "The following Boost modules were checked:";
std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}

os << "</p>"; The Boost path was: <code>"" << m_boost_path.string() << "</code></p>

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^[[:blank:]*#\[[:blank:]*define\[[:blank:]*BOOST_VERSION\[[:blank:]*+([\d\s]+)\]");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
os << "The Boost version is: " << version / 100000 << "." << version / 100 % 100 << "." << version % 100 <<< "</p>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
    os << "<a name="\summary">\</a><h2>Licence Summary</h2>";
    while(i != j)
    {
        // title:
        os << "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>"; This license is used by " << i->second.authors.size()
        << " authors and " << i->second.files.size()
        << " files <a href="/" make_link_target(licenses.first[i->first].license_name) << 
        ">(see details)</a>";
        os << "</P>"<BLOCKQUOTE>\n";
        ++i;
    }
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;

os << "<a name="details"></a><h2>Licence Details</h2>
{
    // title:
    os <<
        "<H3><A name="""" "" make_link_target(licenses.first[i->first].license_name)
        """" "" licenses.first[i->first].license_name << """" </H3>
    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
    if(!m_bsl_summary_mode || (license_index >= 3))
    {
        // Copyright holders:
        os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:" <<<P>
        std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "BR\n";
    ++x;
}
    os << "</P></BLOCKQUOTE>\n";
    // Files using this license:
    os << "<P>This license applies to the following " << i->second.files.size() << " files:" <<<P>
        std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "\n";
    ++m;
}
    os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
// Output list of files not found to be under license control:
//
// os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2><br/>
";<p>The following " << m_unknown_licenses.size() << " files had no recognisable license informations:
</p><BLOCKQUOTE><p>
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
// Output list of files with no found copyright holder:
//
// os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2><br/>
";<p>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:
</p><BLOCKQUOTE><p>
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    // Output list of files that have been moved over to the Boost Software License, along with enough information for human verification.

    // os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2><br/>
";<p>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:
</p><BLOCKQUOTE><p>
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin();

    for (auto const &entry : m_converted_to_bsl)
    {
        os << split_path(m_boost_path, entry.first) << "<br>
";
        os << "<a href="";
        os << entry.second.first;
        os << ">";
        os << entry.second.second;
        os << "></a> ";
    }
    os << "</p></BLOCKQUOTE>";
ie = m_converted_to_bsl.end();

int file_num = 1;
while (i != ie)
{
    os << "<P>
    [% " << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
    "</tt><br>
    |<table border="1">
    |<tr>
    |<td><pre>
    |" << i->second.first << "</pre></td>
    |<td><pre>
    |" << i->second.second << "</pre></td>
    |</tr>
    |</table>
    |
    ++i;
    ++file_num;
}

// Output list of files that could be moved over to the Boost Software License

//
os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2>

"<p>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:</p>

i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}

os << "</p></BLOCKQUOTE>";

// Output list of files that can not be moved over to the Boost Software License

//

os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2>

"<p>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:</p>

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}

os << "</p></BLOCKQUOTE>";

// Output list of authors that we need permission for to move to the BSL

//

os << "<h2><a name="need-bsl-authors"></a>Authors we need for the BSL</h2>

"<p>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>:</p>";
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>
"));
os << "</p></BLOCKQUOTE>";

// output a table of copyright information:

os << "<H2><a name="copyright"></a>Copyright Holder Information</H2><table border="1">

std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>"
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " 
        ++fi;
    }
    os << "</td></tr>
    ++ad;
}
os << "</table>

// output file dependency information:

os << "<H2><a name="depend"></a>File Dependency Information</H2><BLOCKQUOTE><pre>

std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
    ::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
while(i != ie)
bad_paths.insert(i->first);
++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>
";
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
                {
                    os << " <I>(Circular dependency!)</I>";
                    break; // circular dependency!!!
                }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
            if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                break;
        }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";
os << "</body></html>";
if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ":
    std::runtime_error e(msg);
}
boost::throw_exception(e);
}
}

1.482 google-auth-library-credentials 0.22.2
1.482.1 Available under license :

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* /opt/cola/permits/1135319778_1613496786.51/0/google-auth-library-credentials-0-22-2-sources.jar/com/google/auth/ServiceAccountSigner.java
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*/

Found in path(s):
* /opt/cola/permits/1135319778_1613496786.51/0/google-auth-library-credentials-0-22-2-sources-jar/com/google/auth/Credentials.java
* /opt/cola/permits/1135319778_1613496786.51/0/google-auth-library-credentials-0-22-2-sources-jar/com/google/auth/RequestMetadataCallback.java

1.483 google-http-client-jackson2 1.38.0
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Found in path(s):
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ExponentialBackoffPolicy.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/WritableBuffer.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServerTransport.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/DelayedStream.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ContextRunnable.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/package-info.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServerCallImpl.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/BackoffPolicy.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/InternalServer.java
 */opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/WritableBufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/DnsNameResolver.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/DnsNameResolverProvider.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/PickFirstLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/inprocess/package-info.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/InternalSubchannel.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/Http2Ping.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/DelayedClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/NoopClientStream.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/util/ForwardingLoadBalancerHelper.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServiceConfigInterceptor.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/util/SecretRoundRobinLoadBalancerProvider.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ForwardingClientStreamListener.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/PickFirstLoadBalancerProvider.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/HedgingPolicy.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/RetryPolicy.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/Rescheduler.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ChannelLoggerImpl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ChannelTracer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/JndiResourceResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ForwardingManagedChannel.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/util/ForwardingLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/JsonParser.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServiceConfigUtil.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServerCallInfo_Impl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ForwardingClientStream.java

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* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/GrpcAttributes.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/LongCounterFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/CallTracer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/ProxyDetectorImpl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/ReflectionLongAdderCounter.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/GzipInflatingBuffer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/FixedObjectPool.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/ForwardingNameResolver.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/LongCounter.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/TimeProvider.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/OverrideAuthorityNameResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/AtomicBackoff.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/Deframer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/Framer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/AtomicLongCounter.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/TransportTracer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/ApplicationThreadDeframer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/core/Internal/RetriableStream.java

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* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ManagedClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ObjectPool.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/LogExceptionRunnable.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/AbstractSubchannel.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/KeepAliveManager.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/StatsTraceContext.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/OobChannel.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/InUseStateAggregator.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ConnectivityStateManager.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/FailingClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/FailingClientTransport.java
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jar/io/grpc/inprocess/InProcessSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/MetadataApplierImpl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ForwardingConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/InternalHandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ManagedChannelImpl.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/FailingClientStream.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/SharedResourcePool.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/SubchannelChannel.java

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* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ClientTransportFactory.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ServerStream.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
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* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
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jar/io/grpc/internal/SharedResourceHolder.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-
jar/io/grpc/internal/ReadableBuffers.java
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* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ServiceConfigState.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/TransportProvider.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/util/ForwardingClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ConscryptLoader.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/JsonUtil.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/InsightBuilder.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/util/ForwardingSubchannel.java
* /opt/ws_local/PERMITS_SQL/1057115375_1592211260.47/0/grpc-core-1-28-1-sources-jar/io/grpc/internal/ManagedChannelServiceConfig.java

1.488 jctools-core 3.0.0
1.488.1 Available under license:

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<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
	<modelVersion>4.0.0</modelVersion>

	<artifactId>jctools-core</artifactId>

	<groupId>org.jctools</groupId>

</project>
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<description>Java Concurrency Tools Core Library</description>
<packaging>bundle</packaging>

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  <dependency>
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  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>${junit.version}</version>
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  </dependency>
  <dependency>
    <groupId>com.google.guava</groupId>
    <artifactId>guava-testlib</artifactId>
    <version>${guava-testlib.version}</version>
    <scope>test</scope>
  </dependency>
</dependencies>

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      <artifactId>maven-surefire-plugin</artifactId>
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      <configuration>
        <includes>
          <include>*</include>
        </includes>
      </configuration>
    </plugin>
    <plugin>
      <groupId>org.apache.felix</groupId>
      <artifactId>maven-bundle-plugin</artifactId>
      <version>4.2.1</version>
      <extensions>true</extensions>
      <configuration>
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  </plugins>
</build>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>

Found in path(s):
* /opt/cola/permits/1150945500_1617726836.89/0/jctools-core-3-0-0-4-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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Manifest-Version: 1.0
Bnd-LastModified: 1578049665284
Build-Jdk: 1.8.0_232
Built-By: yak
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 3.0.0
Created-By: Apache Maven Bundle Plugin
Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0",org.jctools.queues.spec
Import-Package: sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-4.2.0.201903051501

Found in path(s):
* /opt/cola/permits/1150945500_1617726836.89/0/jctools-core-3-0-0-4-jar/META-INF/MANIFEST.MF

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1.490 dropwizard-configuration 1.3.23

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1.494 xsdlib 20060615

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- javaee_7.xsd
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John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey
> Hi. I snagged some of your bash functions from your home directory on
> the FSF machines (naughty, I know), and I was wondering if you'd let
> me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)
 id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
 id AA00672; Tue, 1 Aug 95 08:57:32 EDT
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1.505 jcl-over-slf4j 1.7.25

1.506 nss 0.16.0-3.el7

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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* 
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# Engine.IO client

This is the client for [Engine](http://github.com/learnboost/engine.io), the implementation of transport-based cross-browser/cross-device bi-directional communication layer for [Socket.IO](http://github.com/learnboost/socket.io).

## Hello World

```html
<script src="/path/to/engine.js"></script>
<script>
var socket = new eio.Socket({ host: 'localhost', port: 80 });
socket.onopen = function () {
    socket.onmessage = function (data) {};
    socket.onclose = function () {};
};
</script>
```

## Features

- Lightweight
- Lazyloads Flash transport
- Isomorphic with WebSocket API
- Written for node, runs on browser thanks to [browserbuild](http://github.com/learnboost/browserbuild)
- Maximizes code readability / maintenance.
- Simplifies testing.
- Transports are independent of `Engine`
- Easy to debug
- Easy to unit test
- Runs inside HTML5 WebWorker

## API

<br>

### Top-level

These are exposed in the `eio` global namespace (in the browser), or by `require('engine.io-client')` (in NodeJS).

#### Properties

- `version` _(String)_ : client version
- `protocol` _(Number)_ : protocol revision number
- `Socket` _(Function)_ : client constructor
The client class, **Inherits from EventEmitter**.

#### Properties
- `onopen` (_Function_)  
  - `open` event handler
- `onmessage` (_Function_)  
  - `message` event handler
- `onclose` (_Function_)  
  - `message` event handler

#### Events
- `open`  
  - Fired upon successful connection.
- `message`  
  - Fired when data is received from the server.
  - **Arguments**
    - `String`: utf-8 encoded data
  - `close`  
  - Fired upon disconnection.
- `error`  
  - Fired when an error occurs.

#### Methods
- **constructor**  
  - Initializes the client
  - **Parameters**
    - `Object`: optional, options object
  - **Options**
    - `host` (`String`): host name (`localhost`)
    - `port` (`Number`): port name (`80`)
    - `path` (`String`): path to intercept requests to (`/engine.io`)
    - `resource` (`String`): name of resource for this server (`default`). Setting a resource allows you to initialize multiple engine.io endpoints on the same host without them interfering, and without changing the `path` directly.
    - `query` (`Object`): optional query string addition (eg: `{ a: 'b' }`)
    - `secure` (`Boolean`): whether the connection is secure
    - `upgrade` (`Boolean`): defaults to true, whether the client should try to upgrade the transport from long-polling to something better.
    - `forceJSONP` (`Boolean`): forces JSONP for polling transport.
    - `timestampRequests` (`Boolean`): whether to add the timestamp with each transport request. Note: this is ignored if the browser is IE or Android, in which case requests are always stamped (`false`)
    - `timestampParam` (`String`): timestamp parameter (`t`)
- `flashPath` (`String`): path to flash client files with trailing slash
- `policyPort` (`Number`): port the policy server listens on (`843`)
- `transports` (`Array`): a list of transports to try (in order).
  Defaults to `[polling', 'websocket', 'flashsocket']`. `Engine` always attempts to connect directly with the first one, provided the feature detection test for it passes.

- `send`
  - Sends a message to the server
- **Parameters**
  - `String`: data to send
- `close`
  - Disconnects the client.

#### Transport

The transport class. Private. Inherits from EventEmitter.

#### Events

- `poll`: emitted by polling transports upon starting a new request
- `pollComplete`: emitted by polling transports upon completing a request
- `drain`: emitted by polling transports upon a buffer drain

### Flash transport

In order for the Flash transport to work correctly, ensure the `flashPath` property points to the location where the files `web_socket.js`, `swfobject.js` and `WebSocketMainInsecure.swf` are located.

### Tests

`engine.io-client` is used to test

[engine](http://github.com/learnboost/engine.io)

### Support

The support channels for `engine.io-client` are the same as `socket.io`:
- irc.freenode.net **#socket.io**
- [Google Groups](http://groups.google.com/group/socket_io)
- [Website](http://socket.io)

### Development

To contribute patches, run tests or benchmarks, make sure to clone the repository:

```

git clone git://github.com/LearnBoost/engine.io-client.git
```
Then:

```
cd engine.io-client
npm install
```

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1.542 activemq-rar 5.4.2

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1.548 spring-tx 3.0.7.RELEASE

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jar/org/springframework/dao/annotation/PersistenceExceptionTranslationAdvisor.java
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1.550 mesa 10.6.5-3.20150824.el7

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge
On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
>
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
  anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
  quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Open Source Used In Virtualized Voice Browser 12.6(1) 5695
Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*  *
* "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
* Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*  *
* Only for use in the Mesa project, this point 2 is filled by naming the
* technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA
code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

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----------------------------------------------------------------------------

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<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>
<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>

<div class="content">
<h1>Disclaimer</h1>
<p>
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</p>
</div>
</body>
</html>
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<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>Mesa (MIT)</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Ext headers</td>
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<td>Khronos</td>
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<td></td>
<td>include/GL/glxext.h</td>
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</tr>
<tr>
<td>C11 thread</td>
<td>include/c11/threads*.h</td>
<td>Boost (permissive)</td>
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<tr>
<td>emulation</td>
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</table>

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1.551 ecj 4.4.2

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1.552 jetty-security 9.4.30.v20200611

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The following artifacts are EPL and ASL2.
  * org.eclipse.jetty.orbit:javasecurity.auth.message

The following artifacts are EPL and CDDL 1.0.
  * org.eclipse.jetty.orbit:javamail.glassfish
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.553 systemd 219-62.el7

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
"Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

   If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

   However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

   When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

   Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is 
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Preamble

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c9f2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>
* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.561 axis2-xmlbeans 1.4

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1.563 wsdl4j 1.5.1

1.564 aopalliance-repackaged 2.5.0-b32

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Daniel Savarese <dfs at savarese.org> is the original author of the OROMatcher, PerlTools, AwkTools, and TextTools packages that became the Jakarta-ORO project.

Jon Stevens <jon at collab.net> helped prepare the first release of jakarta-oro and is a constant help in keeping the project consistent with the Jakarta project as a whole.

Takashi Okamoto <tokamoto at rd.nttdata.co.jp> has contributed a unicode character class fix and an initial posix character class implementation.

Mark Murphy <markm at tyrell.com> has contributed performance improvements to Perl5Substitution as well as adding support for \UuLlE and escaping of $.

Michael Davey <michael.davey at coderage.org> fixed some documentation and added a missing int substitute(...) method to Perl5Util.

Harald Kuhn <harald at ontopia.net> updated

MatchActionProcessor.processMatches() to accommodate character encodings.

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* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/PartialForwardingServerCall.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/package-info.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/CallOptions.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ManagedChannelProvider.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/DecompressorRegistry.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/EquivalentAddressGroup.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ManagedChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/Codec.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ForwardingServerCallListener.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/PartialForwardingServerCallListener.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ManagedChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/Codec.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/Codec.java

jar/io/grpc/ServerProvider.java
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* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ServerBuilder.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/CompressorRegistry.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ForwardingClientCallListener.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/StatusException.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/Compressor.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ManagedChannel.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ProxiedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/HttpConnectProxiedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/NameResolverRegistry.java
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* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/NameResolverRegistry.java
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* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/InternalmfInstrumented.java
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   */opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/PartialForwardingClientCall.java
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   */opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/StreamTracer.java

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jar/io/grpc/InternalChannelz.java
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* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/BindableService.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/InternalDecompressorRegistry.java
* /opt/ws_local/PERMITS_SQL/1057115430_1592211262.37/0/grpc-api-1-28-1-sources-jar/io/grpc/ConnectivityStateInfo.java
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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include/GL/gl.h:

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include/GL/glxext.h
include/GL/wglxext.h:

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## The Unicode Standard, Unicode Character Database, Version 12.1.0

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 */

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICSTAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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M. Welsh, 6 July 1996

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for the driver for the Technisat SkyStar2 PCI DVB card

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(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)
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1.591 util-linux 2.23.2-43.el7

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---

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start   End   Blocks  Id  System
------------------

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d0f23 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
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<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

--------

b5c121c2091b2ff26b880551feac7112 bsd.img
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#      start      end      size      fstype      [fsize bsize cpg]
a:  4096      6144      2049      4.2BSD        0     0     0
c:  4096     20479     16384      unused        0     0
 d:       0     16065     16065      unused        0     0

BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0   unused      5   4.1BSD      9   4.4LFS      d   boot
1   swap       6   Eighth Edition  a   unknown    e   ADOS
2  Version 6    7   4.2BSD      b   HPFS       f   HFS
3  Version 7    8   MS-DOS      c   ISO-9660    10  AdvFS
4  System V

1.592 shared-mime-info 1.8-3.el7
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<one line to give the program's name and a brief idea of what it does.>
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The End

1.595 gson 2.2.2

1.596 hibernate-validator 6.1.5.Final

1.596.1 Available under license:

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/*
 * Hibernate Validator, declare and validate application constraints
 * License: Apache License, Version 2.0
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given executable.
 * @param javaBeanExecutable The executable of interest.
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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 *
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/messageinterpolation/el/RootResolver.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/Incubating.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/privilegedactions/GetResources.java
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jar/org/hibernate/validator/internal/engine/valueextraction/ValueExtractorHelper.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/cfg/context/ConstructorConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForByte.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/util/Contracts.java
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jar/org/hibernate/validator/internal/constraints/ISBN.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/engine/valueextraction/IntArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfByte.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/cfg/package-info.java
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jar/org/hibernate/validator/internal/properties/javabean/JavaBeanField.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/cfg/defs/pl/package-info.java
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jar/org/hibernate/validator/internal/engine/valuecontext/ValueContexts.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/util/ExecutableHelper.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForShort.java
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jar/org/hibernate/validator/internal/properties/javabean/JavaBeanAnnotatedElement.java
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jar/org/hibernate/validator/internal/xml/mapping/ConstraintDefinitionStaxBuilder.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/constraints/CreditCardNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForHijrahDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/AbstractFutureOrPresentJavaTimeValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/config/constraintMapping.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/validationcontext/BeanValidationContext.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/config/defs/PastDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/PastValidatorForHijrahDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/groups/ValidationOrder.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/GetDeclaredFields.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/privilegedactions/GetInstancesFromServiceLoader.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/metadata/core/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/constraintvalidators/bv/number/bound/DecimalMinValidatorForBigDecimal.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/engine/messageinterpolation/parser/TokenCollector.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/context/ConfiguredConstraint.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/metadata/aggregated/AbstractConstraintMetaData.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/internal/metadata/location/FieldConstraintLocation.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate-validator/spi/nodenameprovider/Property.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate.validator.internal/constraintvalidators/bv/number/bound/MaxValidatorForLong.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate.validator/internal/constraintvalidators/bv/time/past/PastValidatorForMonthDay.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-mapping-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/overview.html
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-mapping-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-2.0.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-mapping-2.0.xsd

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 */
/* *
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 *
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* {@link javax.validation.ParameterNameProvider}. The default provider will
* return the actual parameter names, if the -parameters compiler option
* has been enabled, and {@code arg0}, {@code arg1} etc. otherwise.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "start.before(end)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
  jar/org/hibernate/validator/constraints/ParameterScriptAssert.java

1.597 airline 0.6

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* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionConversionException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Command.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseCommandUnrecognizedException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseArgumentsUnexpectedException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Option.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/SingleCommand.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Cli.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/Arguments.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseArgumentsMissingException.java
* /opt/cola/permits/1132421808_1613177436.31/0/airline-0-6-sources-2-jar/io/airlift/command/ParseOptionMissingValueException.java

1.598 activemq 5.6.0

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* /opt/ws_local/PERMITS_SQL/1041687872_1590954410.55/0/feign-jackson-8-15-1-sources.jar/feign/jackson/JacksonDecoder.java
* /opt/ws_local/PERMITS_SQL/1041687872_1590954410.55/0/feign-jackson-8-15-1-sources.jar/feign/jackson/JacksonEncoder.java

1.600 transactions-api 3.9.3

1.601 binutils 2.27 34.base.el7

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

   Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>  
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

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This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
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General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages
are the reason we use the ordinary General Public License for many
libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
courage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.
Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's
complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the
Sections above.

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated “know” assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.
John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.
Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.603 jackson 2.9.10

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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```
/**
 * Specifies that AutoValue should copy any annotations from the annotated element to the
 * generated class. This annotation supports classes and methods.
 *
 * <p>The following annotations are excluded:
 *
 * <ol>
 *   <li>AutoValue and its nested annotations;
 *   <li>any annotation appearing in the {@link AutoValue.CopyAnnotations#exclude} field;
 *   <li>any class annotation which is itself annotated with the {@link java.lang.annotation.Inherited} meta-annotation.
 * </ol>
 *
 * <p>For historical reasons, annotations are always copied from an {code @AutoValue} property
 * method to its implementation, unless {code @CopyAnnotations} is present and explicitly
 * {linkplain CopyAnnotations#exclude excludes} that annotation. But annotations are not copied
 * from the {code @AutoValue} class itself to its implementation unless {code @CopyAnnotations}
 * is present.
 *
 * <p>If you want to copy annotations from your {literal @}AutoValue-annotated class's methods to
 * the generated fields in the AutoValue_... implementation, annotate your method
 * with {literal @}AutoValue.CopyAnnotations. For example, if Example.java is:
<pre>
   {code @}Immutable
   {code @}AutoValue
   abstract class Example {
     {code @}CopyAnnotations
     {code @}SuppressWarnings("Immutable") // justification ...
     abstract Object getObject();
     // other details ...
   }
</pre>

   <p>Then AutoValue will generate the following AutoValue_Example.java:
<pre>
   final class AutoValue_Example extends Example {
     {code @}SuppressWarnings("Immutable")
     private final Object object;

     {code @}Override
     Object getObject() {
       return object;
     }

     // other details ...
   }
</pre>

   <p>When the {i}type{/i} of an {code @AutoValue} property method has annotations, those are
For example, suppose \texttt{@Confidential} is a \texttt{@ElementType\#TYPE\_USE} annotation:

```java
@AutoValue
abstract class Person {
  static Person create(@Confidential String name, int id) {
    return new AutoValue_Person(name, id);
  }

  abstract @Confidential String name();
  abstract int id();
}
```

Then the implementation of the \texttt{@name()} method will also have return type \texttt{@Confidential String}. But if \texttt{@name()} were written like this...

```java
@AutoValue.CopyAnnotations(exclude = Confidential.class)
abstract @Confidential String name();
```

...then the implementation of \texttt{@name()} would have return type \texttt{String} without the annotation.

@author Carmi Grushko
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* /opt/cola/permits/1131046634_1612892588.8/0/auto-value-annotations-1-7-4-sources.jar/com/google/auto/value/extension/serializable/processor/ClassNames.java
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  jar/com/google/auto/value/processor/AutoValueProcessor.java
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1.617 zlib 1.2.7-18.el7

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1.618 xfsprogs 4.5.0 12.el7

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  jar/io/netty/handler/codec/compression/Bzip2Decoder.java
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  jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
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  jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
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jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
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jar/io/netty/handler/codec/compression/Bzip2Constants.java
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jar/io/netty/handler/codec/AsciiHeadersEncoder.java
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jar/io/netty/handler/codec/compression/LzfEncoder.java
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jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
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jar/io/netty/handler/codec/compression/compression/Lz4Constants.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
jar/io/netty/handler/codec/compression/compression/Lz4FrameDecoder.java
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jar/io/netty/handler/codec/compression/compression/LzmaFrameEncoder.java
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jar/io/netty/handler/codec/compression/compression/fastlz/FastLzFrameDecoder.java
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jar/io/netty/handler/codec/compression/compression/fastlz/FastLz.java
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jar/io/netty/handler/codec/compression/compression/zip compression/Bzip2HuffmanStageDecoder.java
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jar/io/netty/handler/codec/compression/compression/zip compression/Bzip2StageEncoder.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/package-info.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/serialization/SupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/serialization/ClassCastException.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/serialization/UnsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/CodecException.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/DecoderResult.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4.1.45-final-sources-1-
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 */
/**
 * Enumeration of supported Base64 dialects.
 * <p>
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
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  jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
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  jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
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  jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
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 */
/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* * [@link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* * ch3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* * <pre>
* <b>lengthFieldOffset</b>   = 0
* <b>lengthFieldLength</b>   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
* *
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* * [@link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* * <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = 2 (= the length of the Length field)
* *
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by 2, we specify -2 as lengthAdjustment for compensation.

```
lengthFieldOffset   =  0
lengthFieldLength   =  2
lengthAdjustment    = -2 (= the length of the Length field)
initialBytesToStrip =  0

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
```

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```
lengthFieldOffset   = 2 (= the length of Header 1)
lengthFieldLength   = 3
lengthAdjustment    = 0
initialBytesToStrip = 0

BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
| 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
+----------+----------+----------------+      +----------+----------+----------------+
```

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.
* lengthFieldOffset  = 0
* lengthFieldLength  = 3
* \(<b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip  = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +----------------+----------------+      +----------------+----------------+
* | Length | Header 1 | Actual Content |----->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |      | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +----------------+----------------+      +----------------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the \(<tt>lengthFieldOffset</tt>\) and the extra
* header affects the \(<tt>lengthAdjustment</tt>\). We also specified a non-zero
* \(<tt>initialBytesToStrip</tt>\) to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify \(<tt>0</tt>\) for \(<tt>initialBytesToSkip</tt>\).
* </pre>
*
* lengthFieldOffset  = 1 (= the length of HDR1)
* lengthFieldLength  = 2
* \(<b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* \(<b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* *
* BEFORE DECODE (16 bytes)      AFTER DECODE (13 bytes)
* +-----------+----------+-----------+      +-----------+----------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------+----------+-----------+      +-----------+----------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into \(<tt>lengthAdjustment</tt>\).
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* </pre>
*
* lengthFieldOffset  = 1
* lengthFieldLength  = 2
* `lengthAdjustment` = `-3` (= the length of HDR1 + LEN, negative)
* `initialBytesToStrip` = `3`  

* BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)
* +----------------+----------+----------------+      +----------------+----------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +----------------+----------+----------------+      +----------------+----------+----------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/Crc32c.java

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  jar/io.netty.handler.codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/String/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/DatagramPacketEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/compression/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/compression/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io.netty.handler.codec/string/LineSeparator.java

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/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
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 */

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  jar/io/netty/handler/codec/ValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeadersImpl.java

1.624 struts 2.5.20

1.625 icu 44
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## Commands to generate dependency files

```
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

## Flags for position independent code

```
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXFFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC
```

## Additional flags when building libraries and with threads

```
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =
```

## Compiler switch to embed a runtime search path

```
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,
```

## Compiler switch to embed a library name

```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

## Shared library options

```
LD_SOOPTIONS = -Wl,-Bs symbolic
```

## Shared object suffix

```
SO = so
```

## Non-shared intermediate object suffix

```
STATIC_O = ao
```

## Compilation rules

```
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

## Dependency rules

```
%.d: $(srcdir)/%.c
```
@echo "generating dependency information for $<" 
SHELL) -ec '$(GEN_DEPS.c) $< \n| sed '%s/($*).o[ :]/$1.o $@ : /g' > $@; \n[-s $@ ]|| rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<" 
SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed '%s/($*).o[ :]/$1.o $@ : /g' > $@; \n[-s $@ ]|| rm -f $@'

## Versioned libraries rules

%.%$(SO).%$(SO_TARGET_VERSION_MAJOR): %.%$(SO).%$(SO_TARGET_VERSION)
$RM $@ && ln -s ${<F} $@

%.%$(SO): %.%$(SO).%$(SO_TARGET_VERSION_MAJOR)
$RM $@ && ln -s %{F}.%$(SO).%$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup

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Eclipse

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.629 rsync 3.0.9
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1.638 curl 7.29.0 51.el7

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

1.639 jersey-server 2.13

1.640 u-boot 2011.06bcm2

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jloup@gzip.org          madler@alumni.caltech.edu

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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user’s computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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The original code is FirewallControl.pas, released April 16, 2007.

The initial developer of the original code is Rainer Budde (http://www.speed-soft.de).

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1.647 cxf-rt-management 2.7.14
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/* zlib.h -- interface of the 'zlib' general purpose compression library
Version 1.2.11, January 15th, 2017

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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distribute the source code, even though third parties are not
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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On all platforms, Nmap is normally linked with:
o libpcap: Network packet capture library. Distributed with Nmap in the
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  http://www.tcpdump.org/
o libdnet: Networking library, used for low-level tasks such as sending
  ethernet frames. A modified version is distributed with Nmap in the
  libdnet-striped subdirectory. A summary of Nmap-local modifications
  is in the file NMAP_MODIFICATIONS.
  http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's
  version detection and is also made available as an NSE library.
  Distributed with Nmap in the libpcre subdirectory.
http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language
of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow
running Lua programs inside Nmap. Distributed with Nmap in the liblua
subdirectory. liblua can be omitted by configuring with the
--without-liblua configuration directive.
http://www.lua.org/
o OpenSSL: Cryptographic library. OpenSSL is used by service detection
and by NSE to connect to SSL services. NSE also provides access to
OpenSSL functions such as encryption and digest calculation. OpenSSL
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http://www.openssl.org/
o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/
o libsvn. The Subversion library, used by the updater program

On Windows only, Nmap uses:
o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap,
and it also has its own license. A binary copy of the library is
distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in
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Zenmap and Ndiff require:
o Python. The binary distributions of Nmap include a Python interpreter
and various libraries, built using either py2exe or py2app.
http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:
o GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU
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o Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the
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o libgailutil: Accessibility support for GTK+.
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o zlib and bzip2: compression libraries.
o Expat: XML parser library.
http://expat.sourceforge.net/
o fontconfig: font configuration library.
o FreeType: font rendering library.
    http://www.freetype.org/

o libiconv. Under the GNU LGPL 2.
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o libxml2: XML parsing library.
    http://xmlsoft.org/

o SQLite.
    http://www.sqlite.org/

o PyGTK, PyGObject: bindings for Python. Licensed under the GNU LGPL 2.1.
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o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:

o Various X.org libraries. These were built using MacPorts.
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

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1.659 plexus-classworlds 1.1

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$Id: UberJarRealmClassLoader.java 112 2004-11-03 17:37:23Z mhw$
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/*
$Id: ClassWorldException.java 78 2004-07-01 13:59:13Z jvanzyl $

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* /opt/cola/permits/1136703427_1613865017.18/0/classworlds-1-1-sources-4-jar/org/codehaus/classworlds/uberjar/protocol/jar/Handler.java

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$Id: JarURLConnection.java 78 2004-07-01 13:59:13Z jvanzyl $

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Id: DefaultClassRealm.java 94 2004-08-09 22:00:16Z jvanzyI $ 

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*/

Found in path(s):
* /opt/cola/permits/1136703427_1613865017.18/0/classworlds-1-1-sources-4-jar/org/codehaus/classworlds/DefaultClassRealm.java
No license file was found, but licenses were detected in source scan.

/*
Std: ConfigurationException.java 78 2004-07-01 13:59:13Z jvanzy1 $

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$Id: EmbeddedLauncher.java 78 2004-07-01 13:59:13Z jvanzyl $

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/*
 $Id: RealmClassLoader.java 114 2005-07-03 15:21:02Z jvanzyl $

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/*
$Id: ClassWorld.java 78 2004-07-01 13:59:13Z jvanzyl $

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* /opt/cola/permits/1136703427_1613865017.18/0/classworlds-1-1-sources-4-jar/org/codehaus/classworlds/ClassWorld.java
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/*
$Id: ClassRealm.java 94 2004-08-09 22:00:16Z jvanzyl $

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/*
$Id: InitialClassLoader.java 78 2004-07-01 13:59:13Z jvanzyl $

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* /opt/cola/permits/1136703427_1613865017.18/0/classworlds-1-1-sources-4-jar/org/codehaus/classworlds/uberjar/boot/InitialClassLoader.java
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/*
$Id: Launcher.java 108 2004-11-02 18:41:08Z mhw $

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$Id: Bootstrapper.java 78 2004-07-01 13:59:13Z jvanzyl $

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/*
$Id: Entry.java 89 2004-07-18 00:40:00Z dandiep $

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/**
 * Holder for web specializations of methods of [@code Floats]. Intended to be empty for regular
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 */

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jar/com/google/common/eventbus/Dispatcher.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/Hashing.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
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  jar/com/google/common/util/concurrent/Monitor.java
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  jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/base/Ascii.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingLock.java
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 */
/**
 * Holder for web specializations of methods of {@code Doubles}. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingListMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedMapDifference.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/Java8Compatibility.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/math/BigDecimalMath.java
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  jar/com/google/common/collection/CombinedFuture.java
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  jar/com/google/common/collection/AggregateFutureState.java
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  jar/com/google/common/collection/FarmHashFingerprint64.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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  jar/com/google/common/util/concurrent/InterruptibleTask.java
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  jar/com/google/common/util/concurrent/Platform.java
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 */

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 */
/**
 * Holder for web specializations of methods of [code Shorts]. Intended to be empty for regular
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 */

/**
 * Holder for extra methods of [code Objects] only in web. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/graph/AbstractValueGraph.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/graph/DirectedGraphConnections.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/Hashing.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ComputationException.java
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  jar/com/google/common/collection/ImmutableClassToInstanceMap.java
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  jar/com/google/common/collection/ArrayTable.java
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  jar/com/google/common/collection/SingletonImmutableList.java
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  jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-

jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/SingletonImmutableTable.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/graph/package-info.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/collect/CollectSpliterators.java

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 * */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/Network.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/graph/MutableGraph.java
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  jar/com/google/common/util/concurrent/AtomicLongMap.java
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  jar/com/google/common/util/Map/AtomicLongMap.java

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  jar/com/google/common/base/JdkPattern.java

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  jar/com/google/common/cache/LongAdder.java
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  jar/com/google/common/cache/Striped64.java
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  jar/com/google/common/collect/ImmutableMapEntry.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/collections/ImmutableBiMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/collections/ImmutableBiMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/collections/ImmutableBiMap.java
jar/com/google/common/collection/RegularImmutableBiMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/Tables.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableCollection.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableSortedSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableMapValues.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/RegularImmutableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/EmptyImmutableListMultimap.java

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/**
 * Holder for web specializations of methods of { Ints }. Intended to be empty for regular
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 */

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jar/com/google/common/primitives/IntsMethodsForWeb.java
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  jar/com/google/common/util/concurrent/ClosingFuture.java
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  jar/com/google/common/graph/BaseGraph.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingDeque.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableSet.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
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 */

/*
 * Outer class that exists solely to let us write [ @code Partially.GwtIncompatible ] instead of plain
 * [ @code GwtIncompatible ]. This is more accurate for [ @link Futures#catching ], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use [ @code PartiallyGwtIncompatible ] because then the GWT compiler wouldn't recognize
 * it as a [ @code GwtIncompatible ] annotation. And for [ @code Futures.catching ], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

Found in path(s):
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 jar/com/google/common/util/concurrent/Partially.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Shorts.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/escape/UnicodeEscaper.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/ListenabeFutureTask.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/Converter.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/net/InetAddresse.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/escape/Escaper.java
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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
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*
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}</b>
 * key. Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}. </b>
 */

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  jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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1.664 jetty-io 9.4.30.v20200611

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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zlib http://www.gzip.org/zlib/zlib_license.html

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krb4

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fbopenssl

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL

1.669 xstream 1.4.10

1.670 shindig-common 2.0.2
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1.671 jackson-databind 2.10.1

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### 1.672 d-bus 1.4.16

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1.680 concurrentlinkedhashmap-lru 1.4

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1.684 commons-collections 4.1

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1.687 poi 3.9

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 * /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/DynamicClassLoader.java
 * /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/Accessor.java
 * /opt/cola/permits/1119683421_1609741336.94/0/accessors-smart-1-2-sources-3-jar/net/minidev/asm/ASMUtil.java
1.700 hk2-utils 2.3.0-b05

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The snowball stopword lists in
analysis/common/src/resources/org/apache/lucene/analysis/snowball
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The full snowball package is available from
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- analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt
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- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
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David Megginson, david@megginson.com
2000-05-05

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* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/ResourceAllocationException.java
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1.714 spring-context 3.1.4.RELEASE

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/context/annotation/Bean.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/cache/interceptor/CacheOperation.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/instrument/classloading/jboss/JBossMCAdapter.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1.jar/org/springframework/context/support/ResourceLoaderAware.java
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1.715 feign-slf4j 10.7.4
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1.716 java-property-utils 1.9.1
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1.717 xfsprogs 4.5.0 18.el7

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_Handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

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* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.723 e2fsprogs 1.42.9 10.el7

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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Theodore Ts'o
23-June-2007

----------------------------------------------------------------------

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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The "Library", below, refers to any such software library or work
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This option is useful when you wish to copy part of the code of
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
(MV) pic/$(BSD_LIB) .
(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'" /$(BSD_LIB) $(BSD_LIB))

install-shlibs install: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@.-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall: $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
(RM) -rf pic
(RM) -f $(BSD_LIB)
(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

1.724 libjpeg-turbo 1.2.90-6.el7
1.724.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*
 * jdhuff.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdhuff.c
No license file was found, but licenses were detected in source scan.

/*
 * jfdctint.c
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a slow-but-accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jfdctint.c
No license file was found, but licenses were detected in source scan.

/*
* j dct h
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (j dctmgr . c, jdctmgr . c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdct.h
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/*
* djpeg.c

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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* This file contains a command-line user interface for the JPEG decompressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* djpeg [options]  inputfile  outputfile
* djpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* djpeg [options] -outfile  outputfile  inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
/*opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/djpeg.c
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/*
* rdswitch.c

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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
* -qtables file Read quantization tables from text file
* -scans file Read scan script from text file
* -quality N[,N,...] Set quality ratings
* -qslots N[,N,...] Set component quantization table selectors
* -sample HxV[,HxV,...] Set component sampling factors
*/
/*
 * jccolor.c
 *
 * This file was part of the Independent JPEG Group's software:
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 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
 */

/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * This implementation should be more accurate than either of the integer
 * DCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/fdctflt.c
No license file was found, but licenses were detected in source scan.

/*
 * jtrans.c
 *
 * Copyright (C) 1995-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding compression,
 * that is, writing raw DCT coefficient arrays to an output JPEG file.
 * The routines in jcapimin.c will also be needed by a transcoder.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/jtrans.c
No license file was found, but licenses were detected in source scan.

/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface routines that are used for both
 * compression and decompression.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/simd/jdcolss2-64.asm
/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jccolmmx.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdmrgmmx.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2red.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jccolmmx.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcsammmx.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdcmrs2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcsammmx.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdmerss2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdmerss2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jisseflt.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcqlts2f.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdcmrs2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcqlts2i.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdcmrs2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcqlts2i.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdmerss2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdcmrs2.asm

*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdcmrs2.asm
Open Source Used In Virtualized Voice Browser 12.6(1) 7424
*/
* jsimd.i386.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* 32-bit x86 architecture.
*
*/

Found in path(s):
*/
* jcsample.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains downsampling routines.
*
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
*
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.

* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.

* An excellent reference for image resampling is

* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.

* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcsample.c
No license file was found, but licenses were detected in source scan.

/ *
* jmemsys.h
* 
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
* 
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
  * this file, the best method is to #ifdef them based on a configuration
  * symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
  * and USE_MAC_MEMMGR.
  */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/jmemsys.h
No license file was found, but licenses were detected in source scan.

/*
 * rdjpgcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that displays
 * the text in COM (comment) markers in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4W4/libjpeg-turbo-1.2.90/rdjpgcom.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctint.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modification developed 2002-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in

The primary algorithm described there uses 11 multiplies and 29 adds.

We use their alternate method with 12 multiplies and 32 adds.

The advantage of this method is that no data path contains more than one multiplication; this allows a very simple and accurate implementation in scaled fixed-point arithmetic, with a minimal number of shifts.

We also provide IDCT routines with various output sample block sizes for direct resolution reduction or enlargement without additional resampling:

- \( N \times N \) (\( N=1...16 \)) pixels for one 8x8 input DCT block.

For \( N<8 \) we simply take the corresponding low-frequency coefficients of the 8x8 input DCT block and apply an \( N \times N \) point IDCT on the sub-block to yield the downscaled outputs.

This can be seen as direct low-pass downsampling from the DCT domain point of view rather than the usual spatial domain point of view, yielding significant computational savings and results at least as good as common bilinear (averaging) spatial downsampling.

For \( N>8 \) we apply a partial \( N \times N \) IDCT on the 8 input coefficients as lower frequencies and higher frequencies assumed to be zero.

It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size.

Furthermore, the scaling and descaling is the same for all IDCT sizes.

CAUTION: We rely on the FIX() macro except for the \( N=1,2,4,8 \) cases since there would be too many additional constants to pre-calculate.

CAUTION: We rely on the FIX() macro except for the \( N=1,2,4,8 \) cases since there would be too many additional constants to pre-calculate.

No license file was found, but licenses were detected in source scan.

Copyright (C) 1994-1998, Thomas G. Lane.

This file is part of the Independent JPEG Group's software.

For conditions of distribution and use, see the accompanying README file.

This file contains inverse-DCT routines that produce reduced-size output:

- either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.

The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M) algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step.
* with an 8-to-4 step that produces the four averages of two adjacent outputs
* (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
* These steps were derived by computing the corresponding values at the end
* of the normal LL&M code, then simplifying as much as possible.
* 1x1 is trivial: just take the DC coefficient divided by 8.
* See jidctint.c for additional comments.
*/

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
*** System features ***

The IJG distribution contains two parts:

* A subroutine library for JPEG compression and decompression.
* `cjpeg/djpeg`, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.

`cjpeg/djpeg` are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since
compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main
elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple
  smoothing --- this is often helpful for low-quality source data.
JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation,
and support code (memory management & error handling). There is also a
module responsible for physically writing the output data --- typically
this is just an interface to fwrite(), but some applications may need to
do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.
Postprocessing:
* Upsampling. Optionally, this step may be able to do more general
  rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also
  provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
  [This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module.
The support code (memory management & error handling) can be shared with
the compression half of the library.

There may be several implementations of each of these elements, particularly
in the decompressor, where a wide range of speed/quality tradeoffs is very
useful. It must be understood that some of the best speedups involve
merging adjacent steps in the pipeline. For example, upsampling, color space
conversion, and color quantization might all be done at once when using a
low-quality ordered-dither technique. The system architecture is designed to
allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries)
as a preprocessing/postprocessing function, even though the JPEG spec includes
it in compression/decompression. We do this because downsampling/upsampling
can be simplified a little if they work on padded data: it's not necessary to
have special cases at the right and bottom edges. Therefore the interface
buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)
An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they’d use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

1A. Startup initialization at the beginning of image processing.
   The individual processing modules to be used in this run are selected and given initialization calls.

1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.
2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

input data => processing step A => buffer => processing step B => output data
    |            |            |
    ------------------ controller ------------------

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

    Main controller --|
                     |-- Preprocessing controller --|
                     |-- Colorspace conversion
                     |-- Downsampling
This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* **Main controller**: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* **Preprocessing controller**: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* **Colorspace conversion**: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* **Downsampling**: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as $\text{V}_{\text{max}}$ pixel rows of each component before downsampling, and $\text{V}_k$ sample rows afterwards (remember $\text{V}_k$ differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* **Coefficient controller**: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* **Forward DCT and quantization**: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to
convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***
Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
 ||-- Coefficient controller --|
 |                         |-- Dequantize, Inverse DCT
Main controller --|
    |                  |-- Upsampling
    |-- Postprocessing controller --| |-- Colorspace conversion
    |                         |-- Color quantization
    |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this
controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jdinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.
* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the
file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn’t any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

```
typedef something JSAMPLE;  // a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW;  // ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY;  // ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE;  // ptr to a list of color-component arrays
```

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn’t need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that’s wider than the logical picture width.
* Indexing doesn’t require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps
that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

```
GETJSAMPLE(image[colorcomponent][row][col])
```

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```c
typedef short JCOEF; // a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; // an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; // ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; // ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; // ptr to a list of color component arrays
```

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable
quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKs, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment).
We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even...
lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master

---

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The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:

1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by
making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers. Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.
*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

- `jpeg_mem_init`, `jpeg_mem_term`: system-dependent initialization/shutdown
- `jpeg_get_small`, `jpeg_free_small`: interface to malloc and free library routines (or their equivalents)
- `jpeg_get_large`, `jpeg_free_large`: interface to FAR malloc/free in MSDOS machines; else usually the same as `jpeg_get_small`/`jpeg_free_small`
- `jpeg_mem_available`: estimate available memory
- `jpeg_open_backing_store`: create a backing-store object
- `read_backing_store`, `write_backing_store`, `close_backing_store`

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). `jpeg_open_backing_store` is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.
*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).
We will not worry about making the compressor capable of outputting DNL.
Something similar to the first scheme above could be applied if anyone ever
wants to make that work.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/structure.txt
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/*
 * transupp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains image transformation routines and other utility code
 * used by the jpegtran sample application. These are NOT part of the core
 * JPEG library. But we keep these routines separate from jpegtran.c to
 * ease the task of maintaining jpegtran-like programs that have other user
 * interfaces.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * This implementation should be more accurate than either of the integer
 * IDCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
* A time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jidctflt.c
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 * jcphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy encoding routines for progressive JPEG.
 *
 * We do not support output suspension in this module, since the library
 * currently does not allow multiple-scan files to be written with output
 * suspension.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcphuff.c
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IJJ JPEG LIBRARY: CODING RULES

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Since numerous people will be contributing code and bug fixes, it's important to establish a common coding style. The goal of using similar coding styles is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

    /*
     * Block comments in this style.
     */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g., multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

    LOCAL(int *)
    function_name (int a, char *b)
    {
        code...
    }

Note that each function definition must begin with GLOBAL(type), LOCAL(type),
or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2kkr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

```c
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif
```

which is used like this:

```c
struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
};
```

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.
3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/coderules.txt

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/*
 * wrbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains routines to write output images in Microsoft "BMP"
 * format (MS Windows 3.x and OS/2 1.x flavors).
 * Either 8-bit colormapped or 24-bit full-color format can be written.
 * No compression is supported.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrbmp.c

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/*
* jmorecfg.h
*
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*
* This file contains additional configuration options that customize the
* JPEG software for special applications or support machine-dependent
* optimizations. Most users will not need to touch this file.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jmorecfg.h
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* For conditions of distribution and use, see the accompanying README file.
*
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jccolext.c
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/*
* jdcolor.c
*
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* Modified 2011 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
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* For conditions of distribution and use, see the accompanying README file.
*
* This file contains output colorspace conversion routines.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdatasrc-tj.c
No license file was found, but licenses were detected in source scan.

*/

* jdatasrc-tj.c
*
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* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jversion.h
No license file was found, but licenses were detected in source scan.

*/

* jversion.h
*
* This file was part of the Independent JPEG Group's software:
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* Modifications:
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* This file contains software version identification.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jversion.h
No license file was found, but licenses were detected in source scan.
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#   this list of conditions and the following disclaimer in the documentation
# - Neither the name of the libjpeg-turbo Project nor the names of its
#   software without specific prior written permission.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/release/uninstall.in
No license file was found, but licenses were detected in source scan.

/*
 * jcmarker.c
 *
 * This file was part of the Independent JPEG Group's software:
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 *
 * This file contains routines to write JPEG datastream markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jcmarker.c
No license file was found, but licenses were detected in source scan.

USING THE IJG JPEG LIBRARY

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This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists.
The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.

OVERVIEW
=========
Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors
can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
====================

Data formats
------------

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for
example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
-------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the
application doesn't control those directly.) This struct can be just a local
variable in the calling routine, if a single routine is going to execute the
whole JPEG compression sequence. Otherwise it can be static or allocated
from malloc().

You will also need a structure representing a JPEG error handler. The part
of this that the library cares about is a "struct jpeg_error_mgr". If you
are providing your own error handler, you'll typically want to embed the
jpeg_error_mgr struct in a larger structure; this is discussed later under
"Error handling". For now we'll assume you are just using the default error
handler. The default error handler will print JPEG error/warning messages
on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into
the JPEG object's "err" field, and then call jpeg_create_compress() to
initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);

jpeg_create_compress allocates a small amount of memory, so it could fail
if you are out of memory. In that case it will exit via the error handler;
that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a
"data destination" module. The library includes one data destination
module which knows how to write to a stdio stream. You can use your own
destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio
stream beforehand. Typical code for this step looks like:

FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

image_width	Width of image, in pixels
image_height	Height of image, in pixels
input_components	Number of color channels (samples per pixel)
in_color_space	Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

cinfo.image_width = Width; /* image width and height, in pixels */
cinfo.image_height = Height;
cinfo.input_components = 3; /* # of color components per pixel */
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

jpeg_set_defaults(&cinfo);
/* Make optional parameter settings here */

4. jpeg_start_compress(...);

After you have established the data destination and set all the necessary source image info and other parameters, call jpeg_start_compress() to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

jpeg_start_compress(&cinfo, TRUE);

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called jpeg_start_compress(), you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
   jpeg_write_scanlines(...);

Now write all the required image data by calling jpeg_write_scanlines() one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like
"while (cinfo.next_scanline < cinfo.image_height)."

Code for this step depends heavily on the way that you store the source data. example.c shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.
In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination. jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will
not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call
jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details
----------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

```c
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

```c
FILE * infile;
```
... if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

jpeg_read_header(&cinfo, TRUE);

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.
4. Set parameters for decompression.

`jpeg_read_header()` sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to `jpeg_read_header()`. If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. `jpeg_start_decompress(...);`

Once the parameter values are satisfactory, call `jpeg_start_decompress()` to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

`jpeg_start_decompress(&cinfo);`

If you have requested a multi-pass operating mode, such as 2-pass color quantization, `jpeg_start_decompress()` will do everything needed before data output can begin. In this case `jpeg_start_decompress()` may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; `jpeg_start_decompress()` will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

- `output_widthimage width and height, as scaled`
- `output_height`
- `out_color_components` # of color components in `out_color_space`
- `output_components` # of color components returned per pixel
- `colormap` the selected colormap, if any
- `actual_number_of_colors` number of entries in colormap
output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
   jpeg_read_scanlines(...);

   Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

   Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

   The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

   If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

   If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg_read_scanlines() repeatedly until the
whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or jpeg_destroy() if you don't need the JPEG object any more, or jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

-----------------------------------------------
Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don’t really recommend it. The trouble with shared libraries is that at some point you’ll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn’t work because the parameter struct declarations usually change with each new version. In other words, the library’s API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES

====================
Compression parameter selection
-------------------------------

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents
very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

```c
jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor,
    boolean force_baseline)
```
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

```c
int jpeg_quality_scaling (int quality)
```
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

```c
jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
```
[libjpeg v7+ API/ABI emulation only] Set default quantization tables with linear q_scale_factor[] values (see below).

```c
jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl,
    const unsigned int *basic_table,
    int scale_factor, boolean force_baseline)
```
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).

CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

```c
jpeg_simple_progression (j_compress_ptr cinfo)
```
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.
Compression parameters (cinfo fields) include:

**J_DCT_METHOD dct_method**
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

**J_COLOR_SPACE jpeg_color_space**
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

**boolean optimize_coding**
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

**unsigned int restart_interval**
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

**const jpeg_scan_info * scan_info**
int num_scans
By default, scan_info is NULL; this causes the compressor to write a
double-scan sequential JPEG file. If not NULL, scan_info points to
an array of scan definition records of length num_scans. The
compressor will then write a JPEG file having one scan for each scan
definition record. This is used to generate noninterleaved or
progressive JPEG files. The library checks that the scan array
defines a valid JPEG scan sequence. (jpeg_simple_progression creates
a suitable scan definition array for progressive JPEG.) This is
discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for
minimal smoothing to 100 for maximum smoothing. Consult jcsample.c
for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and
jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space
(ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker.
jpeg_set_defaults() initializes the version to 1.01 (major=minor=1).
You should set it to 1.02 (major=1, minor=2) if you plan to write
any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker;
not used otherwise. density_unit may be 0 for unknown,
1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1
indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and
jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK,
or YCCK is selected, otherwise FALSE. It is generally a bad idea
to set both write_JFIF_header and write_Adobe_marker. In fact,
you probably shouldn't change the default settings at all --- the
default behavior ensures that the JPEG file's color space can be
recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot,
or NULL if no table is defined for a slot. Usually these should
be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TTLS]
[libjpeg v7+ API/ABI emulation only]
Linear quantization scaling factors (0-100, default 100) for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] values use "linear" scales, so JPEG quality levels chosen by the user must be converted to these scales using jpeg_quality_scaling(). Here is an example that corresponds to cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: Setting separate quality levels for chrominance and luminance is mainly only useful if chrominance subsampling is disabled. 2x2 chrominance subsampling (AKA "4:2:0") is the default, but you can explicitly disable subsampling as follows:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TTLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TTLS]
Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by jpeg_set_defaults(). If you need to allocate more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image by setting optimize_coding, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

[libjpeg v7+ API/ABI emulation only]
The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by jpeg_start_compress(). You can also call jpeg_cale_jpeg_dimensions() to obtain the values that will result
from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width
Actual dimensions of output image.

JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
----------------------------------

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application.
Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

- **JDIMENSION image_width**
  Width and height of image

- **JDIMENSION image_height**

- **int num_components**
  Number of color components

- **J_COLOR_SPACE jpeg_color_space**
  Colorspace of image

- **boolean saw_JFIF_marker**
  TRUE if a JFIF APP0 marker was seen

- **UINT8 JFIF_major_version**
  Version information from JFIF marker

- **UINT8 JFIF_minor_version**

- **UINT8 density_unit**
  Resolution data from JFIF marker

- **UINT16 X_density**

- **UINT16 Y_density**

- **boolean saw_Adobe_marker**
  TRUE if an Adobe APP14 marker was seen

- **UINT8 Adobe_transform**
  Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

- **J_COLOR_SPACE out_color_space**
  Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

- **unsigned int scale_num, scale_denom**
  Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such
as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE no dithering: fast, very low quality
JDITHER_ORDERED ordered dither: moderate speed and quality
JDITHER_FS Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself. [Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing.

CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by jpeg_finish_decompress(). Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

**J_DCT_METHOD dct_method**
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *before* jpeg_start_decompress().

**JDIMENSION output_width**
Actual dimensions of output image.

**JDIMENSION output_height**
int out_color_components
Number of color components in out_color_space.

int output_components
Number of color components returned.

int rec_outbuf_height
Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the
buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces
--------------------

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB <=> YCbCr and CMYK <= YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

- RGB => YCbCr
- RGB => GRAYSCALE
- YCbCr => GRAYSCALE
- CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB, YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. jpeg_set_colorspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space.

For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and
jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an
APPn marker of your own devising to identify the colorspace --- see "Special
markers", below.

When told that the color space is UNKNOWN, the library will default to using
luminance-quality compression parameters for all color components. You may
well want to change these parameters. See the source code for
jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space,
and this is transformed to the output color space out_color_space.
jpeg_read_header's setting of jpeg_color_space can be relied on if the file
conforms to JFIF or Adobe conventions, but otherwise it is no better than a
guess. If you know the JPEG file's color space for certain, you can override
jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also
selects a default output color space based on (its guess of) jpeg_color_space;
set out_color_space to override this. Again, you must select a supported
transformation. jdcolor.c currently supports
YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an
application can force grayscale JPEGs to look like color JPEGs if it only
wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data
(it weights distances appropriately for RGB colors). You'll need to modify
the code if you want to use it for non-RGB output color spaces. Note that
jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG
files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect.
This is arguably a bug in Photoshop, but if you need to work with Photoshop
CMYK files, you will have to deal with it in your application. We cannot
"fix" this in the library by inverting the data during the CMYK<=>YCCK
transform, because that would break other applications, notably Ghostscript.
Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK
data in the same inverted-YCCK representation used in bare JPEG files, but
the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in
EPS/JPEG files, and will omit the PS-level inversion. (But the data
polarity used in bare JPEG files will not change in 3.0.) In either case,
the JPEG library must not invert the data itself, or else Ghostscript would
read these EPS files incorrectly.
Error handling

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When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on stderr, followed by exit(). You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:

* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages somewhere other than stderr. Note that this method does not know how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info stored in cinfo->err. This method is called by output_message. Few applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so, calls output_message. The main reason for overriding this method would be to abort on warnings. msg_level is -1 for warnings, 0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field err->jpeg_message_table. The messages are numbered from 0 to err->last_jpeg_message, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German) by changing the message table pointer. See jerror.h for the default texts. CAUTION: this table will almost certainly change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer err->addon_message_table and the message numbers err->first_addon_message and err->last_addon_message. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications cjpeg/djpeg for an example of using addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h: ERREXITn(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the error handler struct, then invoke the error_exit() or emit_message() method.
The variants of each macro are for varying numbers of additional parameters. The additional parameters are inserted into the generated message using standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)
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The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```c
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;      /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:
init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.

empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

term_destination (j_compress_ptr cinfo)
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer; /* # of bytes remaining in buffer */

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:
init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any data is actually read. Unlike init_destination(), it may leave bytes_in_buffer set to 0 (in which case a fill_input_buffer() call will occur immediately).

fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more data is wanted. In typical applications, it should read fresh data into the buffer (ignoring the current state of next_input_byte and bytes_in_buffer), reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. bytes_in_buffer MUST be set to a positive value if TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should be advanced over num_bytes input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. bytes_in_buffer may be zero on return. A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, jpeg_resync_to_restart(). However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the read_restart_marker() and jpeg_resync_to_restart() routines in jdmarker.c if you think you'd like to implement your own resync procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker
is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the
compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.

* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply
returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally
not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.
Progressive JPEG support

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found...
When scan_info is not NULL, the compression library will store DCT’d data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here “multi-scan” means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library’s buffered-image mode. This is described in the next section.

Buffered-image mode
---------------------

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

```
jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE; /* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
```
This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()).

With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce

```c
jpeg_start_output(); /* start a new output pass */
for (all scanlines in image) {
    jpeg_read_scanlines()
    display scanlines
}
jpeg_finish_output(); /* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```
output. This is done by calling the routine jpeg_consume_input().
The return value is one of the following:

- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This
routine can be called at any time after initializing the JPEG object. It
reads some additional data and returns when one of the indicated significant
events occurs. (If called after the EOI marker is reached, it will
immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input()
whenever the output processing overtakes the input; thus, simple lockstep
display requires no direct calls to jpeg_consume_input(). But by adding
calls to jpeg_consume_input(), you can absorb data in advance of what is
being displayed. This has two benefits:

* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the
  state of the library's input processing.

The first of these benefits only requires interspersing calls to
jpeg_consume_input() with your display operations and any other processing
you may be doing. To avoid wasting cycles due to backtracking, it's best to
call jpeg_consume_input() only after a hundred or so new bytes have arrived.
This is discussed further under "I/O suspension", above. (Note: the JPEG
library currently is not thread-safe. You must not call jpeg_consume_input()
from one thread of control if a different library routine is working on the
same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available
before you start a new output pass, you may as well skip the output pass
corresponding to the completed scan. This occurs for free if you pass
cinfo.input_scan_number as the target scan number to jpeg_start_output().
The input_scan_number field is simply the index of the scan currently being
consumed by the input processor. You can ensure that this is up-to-date by
emptying the input buffer just before calling jpeg_start_output(): call
jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or
JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the
cinfo.output_scan_number field. The library's output processing calls
jpeg_consume_input() whenever the current input scan number and row within
that scan is less than or equal to the current output scan number and row.
Thus, input processing can "get ahead" of the output processing but is not
allowed to "fall behind". You can achieve several different effects by
manipulating this interlock rule. For example, if you pass a target scan
number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.) When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
    do {
      absorb any waiting input by calling jpeg_consume_input()
      final_pass = jpeg_input_complete(&cinfo);
      adjust output decompression parameters if required
      jpeg_start_output(&cinfo, cinfo.input_scan_number);
      ...
      jpeg_finish_output()
    } while (! final_pass);
```

rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
    for (;;) {
```
absorb any waiting input by calling jpeg_consume_input()
jpeg_start_output(&cinfo, cinfo.input_scan_number);
...
jpeg_finish_output()
if (jpeg_input_complete(&cinfo) &&
    cinfo.input_scan_number == cinfo.output_scan_number)
    break;
}
In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with
buffered-image mode must be prepared for suspension returns from these routines:

* `jpeg_start_output()` performs input only if you request 2-pass quantization and the target scan isn’t fully read yet. (This is discussed below.)
* `jpeg_read_scanlines()`, as always, returns the number of scanlines that it was able to produce before suspending.
* `jpeg_finish_output()` will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if `jpeg_consume_input()` has already reached the end of the file or a SOS marker beyond the target output scan.)
* `jpeg_finish_decompress()` will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling `jpeg_input_complete()`).

`jpeg_start_output()`, `jpeg_finish_output()`, and `jpeg_finish_decompress()` all return TRUE if they completed their tasks, FALSE if they had to suspend. In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after `jpeg_start_decompress()` is called:

* `dct_method` can be changed before each call to `jpeg_start_output()`.
  For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.
* `dither_mode` can be changed before each call to `jpeg_start_output()`; of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial `max_memory_to_use` specification to be exceeded, which in the worst case would result in an out-of-memory failure.
* `do_block_smoothing` can be changed before each call to `jpeg_start_output()`.
  This setting is relevant only when decoding a progressive JPEG image.
  During the first DC-only scan, block smoothing provides a very “fuzzy” look instead of the very “blocky” look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.
* Color quantization mode can be changed under the rules described below.
  You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.
When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.

2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.

3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.
   (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE:

- enable_1pass_quant: Fixed color cube colormap
- enable_external_quant: Externally-supplied colormap
- enable_2pass_quant: Two-pass custom colormap

All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:

1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.

2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

(These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)
Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not
using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table",
which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.
In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)  
cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n];  /* quant_ptr is JQUANT_TBL*/
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)  
cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n];  /* huff_ptr is JHUFF_TBL*/
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is
create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains
an image or just tables. In that case, pass FALSE and check the return value
from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found,
JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value,
JPEG_SUSPENDED, is possible when using a suspending data source manager.)
Note that jpeg_read_header() will not complain if you read an abbreviated
image for which you haven't loaded the missing tables; the missing-table check
occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by
repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence,
without releasing/recreating the JPEG object or the data source module.
(If you did reinitialize, any partial bufferload left in the data source
buffer at the end of one image would be discarded, causing you to lose the
start of the next image.) When you use this method, stored tables are
automatically carried forward, so some of the images can be abbreviated images
that depend on tables from earlier images.

If you intend to write a series of images into a single destination file,
you might want to make a specialized data destination module that doesn't
flush the output buffer at term_destination() time. This would speed things
up by some trifling amount. Of course, you'd need to remember to flush the
buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
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Some applications may need to insert or extract special data in the JPEG
datastream. The JPEG standard provides marker types "COM" (comment) and
"APP0" through "APP15" (application) to hold application-specific data.
Unfortunately, the use of these markers is not specified by the standard.
COM markers are fairly widely used to hold user-supplied text. The JFIF file
format spec uses APP0 markers with specified initial strings to hold certain
data. Adobe applications use APP14 markers beginning with the string "Adobe"
for miscellaneous data. Other APPn markers are rarely seen, but might
contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized — expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers.

(Note: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension").

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.
If you are writing JFIF 1.02 extension markers (thumbnail images), don't
forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the
correct JFIF version number in the JFIF header marker. The library's default
is to write version 1.01, but that's wrong if you insert any 1.02 extension
markers. (We could probably get away with just defaulting to 1.02, but there
used to be broken decoders that would complain about unknown minor version
numbers. To reduce compatibility risks it's safest not to write 1.02 unless
you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers
into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers
on-the-fly as they are read.
The first method is simpler to use, especially if you are using a suspending
data source; writing a marker processor that copes with input suspension is
not easy (consider what happens if the marker is longer than your available
input buffer). However, the second method conserves memory since the marker
data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a
decompression object and before calling jpeg_read_header(), because the
markers of interest will typically be near the head of the file and so will
be scanned by jpeg_read_header. Once you've established a marker handling
method, it will be used for the life of that decompression object
(potentially many datastreams), unless you change it. Marker handling is
determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call
jpeg_save_markers(cinfo, marker_code, length_limit)
where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.
(To arrange to save all the special marker types, you need to call this
routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer
than length_limit data bytes, only length_limit bytes will be saved; this
parameter allows you to avoid chewing up memory when you only need to see the
first few bytes of a potentially large marker. If you want to save all the
data, set length_limit to 0xFFFF; that is enough since marker lengths are only
16 bits. As a special case, setting length_limit to 0 prevents that marker
type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by
following the cinfo->marker_list pointer chain. All the special markers in
the file appear in this list, in order of their occurrence in the file (but
omitting any markers of types you didn't ask for). Both the original data
length and the saved data length are recorded for each list entry; the latter
will not exceed length_limit for the particular marker type. Note that these
lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.
A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
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Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorsparse() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and
cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines value must be at least max_v_samp_factor*DCTSIZE, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

- width_in_blocks * DCTSIZE samples per row
- height_in_blocks * DCTSIZE rows in image

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCTSIZE samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is

- cinfo->comp_info[0].h_samp_factor = 2 for Y
- cinfo->comp_info[0].v_samp_factor = 2
- cinfo->comp_info[1].h_samp_factor = 1 for Cb
- cinfo->comp_info[1].v_samp_factor = 1
- cinfo->comp_info[2].h_samp_factor = 1 for Cr
- cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampling_width = 101 and width_in_blocks = 13 for Y, downsampling_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.
Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, etc.).
Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of
jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpegSuppressTables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
-------------------
Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)
To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:

- long pass_counter;/* work units completed in this pass */
- long pass_limit;/* total number of work units in this pass */
- int completed_passes;/* passes completed so far */
- int total_passes;/* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including) pass_limit; the step size is usually but not necessarily 1. The pass_limit value may change from one pass to another. The expected total number of passes is in total_passes, and the number of passes already completed is in completed_passes. Thus the fraction of work completed may be estimated as completed_passes + (pass_counter/pass_limit) ---------------------------------------------- total_passes

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets total_passes based on the assumption that there will be one more output pass if the input file end hasn't yet been read (jpeg_input_complete() isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that total_passes will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

Memory management

-----------------

This section covers some key facts about the JPEG library's built-in memory.
manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```c
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc'd. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the
"temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
-------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual colors spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need
for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
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A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.)

At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables.

You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.

You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional
functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don't need trace capability anyway, right?

Portability considerations
--------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we'd appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that

- char is at least 8 bits wide
- short is at least 16 bits wide
- int is at least 16 bits wide
- long is at least 32 bits wide

(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters.
But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
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The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.
Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/libjpeg.txt
No license file was found, but licenses were detected in source scan.

purpose, subject to the conditions under LEGAL ISSUES, below.
fitness for a particular purpose. This software is provided "AS IS", and you,
All Rights Reserved except as specified below.
Permission is hereby granted to use, copy, modify, and distribute this
It is copyright by the Free Software Foundation but is freely distributable.
reasons for developing this free software was to help force convergence on

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/README
No license file was found, but licenses were detected in source scan.

/ *
* jutils.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.
/*
 * jchuff.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains declarations for Huffman entropy encoding routines
 * that are shared between the sequential encoder (jchuff.c) and the
 * progressive encoder (jcphuff.c). No other modules need to see these.
 */

Found in path(s):
*/
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRyIw4/libjpeg-turbo-1.2.90/jchuff.h
* No license file was found, but licenses were detected in source scan.

/*
 * jinclude.h
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file exists to provide a single place to fix any problems with
 * including the wrong system include files. (Common problems are taken
 * care of by the standard jconfig symbols, but on really weird systems
 * you may have to edit this file.)
 *
 * NOTE: this file is NOT intended to be included by applications using the
 * JPEG library. Most applications need only include jpeglib.h.
 */

Found in path(s):
*/
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRyIw4/libjpeg-turbo-1.2.90/jinclude.h
* No license file was found, but licenses were detected in source scan.

/*
 * wrjpgcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI IW4/libjpeg-turbo-1.2.90/wrjpgcom.c
No license file was found, but licenses were detected in source scan.

/*
* wrrle.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI IW4/libjpeg-turbo-1.2.90/wrjpgcom.c
No license file was found, but licenses were detected in source scan.

/*
* cjjpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* cjjpeg [options] inputfile outputfile
* cjjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
  * normally redirect to a file or pipe to some other program. Input is
  * either from a named file or from standard input (typically redirected).
  * The second style is convenient on Unix but is unhelpful on systems that
  * don't support pipes. Also, you MUST use the first style if your system
  * doesn't do binary I/O to stdin/stdout.
  * To simplify script writing, the "-outfile" switch is provided. The syntax
    *cjpeg [options] -outfile outputfile inputfile
  * works regardless of which command line style is used.
  */

Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/cjpeg.c
  No license file was found, but licenses were detected in source scan.

/ *
  * jerror.h
  *
  * Copyright (C) 1994-1997, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file defines the error and message codes for the JPEG library.
  * Edit this file to add new codes, or to translate the message strings to
    * some other language.
  * A set of error-reporting macros are defined too. Some applications using
    * the JPEG library may wish to include this file to get the error codes
    * and/or the macros.
  */

Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jerror.h
  No license file was found, but licenses were detected in source scan.

/ *
  * rdppm.c
  *
  * Copyright (C) 1991-1997, Thomas G. Lane.
  * Modified 2009 by Bill Allombert, Guido Vollbeding.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains routines to read input images in PPM/PGM format.
  * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
  * The PBMPPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided “as is” without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdppm.c
No license file was found, but licenses were detected in source scan.

/*
* cdjpeg.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains common declarations for the sample applications
* cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
* jdinput.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* This file contains input control logic for the JPEG decompressor.
* These routines are concerned with controlling the decompressor's input
* processing (marker reading and coefficient decoding). The actual input
* reading is done in jdmarker.c, jdhuff.c, and jdphuff.c.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdinput.c
No license file was found, but licenses were detected in source scan.

/*
* jdmerge.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains code for merged upsampling/color conversion.
* *
* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.
*
* When the chroma components are to be upsampled by simple replication
* (i.e., box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
* 
* R = Y + K1 * Cr
* G = Y + K2 * Cb + K3 * Cr
* B = Y + K4 * Cb
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
* *
* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdmerge.c

No license file was found, but licenses were detected in source scan.

*/
* jddctmgr.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2010 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
* *
* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdctmger.c

No license file was found, but licenses were detected in source scan.

*/
* jdatadst.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains compression data destination routines for the case of
* emitting JPEG data to memory or to a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different destination manager.
* IMPORTANT: we assume that fwrite() will correctly transcribe an array of * JOCTETs into 8-bit-wide elements on external storage. If char is wider * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRy1W4/libjpeg-turbo-1.2.90/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
 * cderror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file defines the error and message codes for the cjpeg/djpeg
 * applications. These strings are not needed as part of the JPEG library
 * proper.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRy1W4/libjpeg-turbo-1.2.90/cderror.h
No license file was found, but licenses were detected in source scan.

/*
 * jdarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains portable arithmetic entropy decoding routines for JPEG
 * Both sequential and progressive modes are supported in this single module.
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRy1W4/libjpeg-turbo-1.2.90/jdarith.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctfst.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a fast, not so accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with fixed-point math,
 * accuracy is lost due to imprecise representation of the scaled
 * quantization values. The smaller the quantization table entry, the less
 * precise the scaled value, so this implementation does worse with high-
 * quality-setting files than with low-quality ones.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jidctfst.c

No license file was found, but licenses were detected in source scan.

/*
 * jsimddct.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
For conditions of distribution and use, see copyright notice in jsimdext.inc

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrjU/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jsimdct.h

No license file was found, but licenses were detected in source scan.

; j dct. inc - private declarations for forward & reverse DCT subsystems
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
%define RANGE_MASK  (MAXJSAMPLE * 4 + 3)  ; 2 bits wider than legal samples

%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

; ------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrjU/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jdct.inc

No license file was found, but licenses were detected in source scan.

/*
* jcinit.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
/* For conditions of distribution and use, see the accompanying README file.
 */

/* This file contains initialization logic for the JPEG compressor.
* This routine is in charge of selecting the modules to be executed and
* making an initialization call to each one.
 */

/* Logically, this code belongs in jcmaster.c. It's split out because
* linking this routine implies linking the entire compression library.
* For a transcoding-only application, we want to be able to use jcmaster.c
* without linking in the whole library.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcinit.c

No license file was found, but licenses were detected in source scan.

/*
* jconfig.txt
*
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file documents the configuration options that are required to
* customize the JPEG software for a particular system.
* The actual configuration options for a particular installation are stored
* in jconfig.h. On many machines, jconfig.h can be generated automatically
* or copied from one of the "canned" jconfig files that we supply. But if
* you need to generate a jconfig.h file by hand, this file tells you how.
*
* DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
* EDIT A COPY NAMED JCONFIG.H.
*/

/*
* These symbols indicate the properties of your machine or compiler.
* #define the symbol if yes, #undef it if no.
*/

/* Does your compiler support function prototypes?
* (If not, you also need to use ansi2khr, see install.txt)
*/
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char"?
*/
* How about "unsigned short"?
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_unsigned_SHORT

/* Define "void" as 'char' if your compiler doesn't know about type void.
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
/* #define const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/sysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead.
*/
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
* unless you are using a large-data memory model or 80386 flat-memory mode.
* On less brain-damaged CPUs this symbol must not be defined.
* (Defining this symbol causes large data structures to be referenced through
* "far" pointers and to be allocated with a special version of malloc.)
*/
#undef NEED_FAR_POINTERS
/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#ifdef _WIN32
#ifndef __RPCNDR_H__  /* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN  /* prevent jmorecfg.h from redefining it */
#endif

/*
* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/
#ifdef JPEG_INTERNALS

/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/*
* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/
#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command
 * line, rather than using stdout and optionally stdin. You MUST do this if
 * your system can't cope with binary I/O to stdin/stdout. See comments at
 * head of cjpeg.c or djpeg.c.
 */
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
 * This is crucial under MS-DOS, where the temporary "files" may be areas
 * of extended memory; on most other systems it's not as important.
 */
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...,"rb") or fopen(...,"wb").
 * This is necessary on systems that distinguish text files from binary files,
 * and is harmless on most systems that don't. If you have one of the rare
 * systems that complains about the "b" spec, define this symbol.
 */
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
 */
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

License: BSD-style
libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
/*
 * jdatadst-tj.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2012 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWi4/libjpeg-turbo-1.2.90/release/libjpeg-turbo.spec.in

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/*
 * rdbmp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2010 by Guido Vollbeding.
 * Modifications:
 * Modified 2011 by Siarhei Siamashka.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Microsoft "BMP"
 * format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
 * Currently, only 8-bit and 24-bit images are supported, not 1-bit or
 * 4-bit (feeding such low-depth images into JPEG would be silly anyway).
 * Also, we don't support RLE-compressed files.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the

No license file was found, but licenses were detected in source scan.
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
* jdapimin.c
 *
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdapimin.c
No license file was found, but licenses were detected in source scan.

/*
* jsimd.h
 *
* Copyright 2009 Pierre Ossman ossman@cendio.se for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-

archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jsimd.h No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for JPEG transcoding.
 * It is very similar to cjpeg.c, and partly to djpeg.c, but provides
 * lossless transcoding between different JPEG file formats. It also
 * provides some lossless and sort-of-lossless transformations of JPEG data.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jpegtran.c No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains common support routines used by the IJG application
 * programs (cjpeg, djpeg, jpegtran).
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/cdjpeg.c No license file was found, but licenses were detected in source scan.

/*
 * jpeglib.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
This file defines the application interface for the JPEG library. Most applications using the library need only include this file, and perhaps jerror.h if they want to know the exact error codes.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*
* simd/jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/simd/jsimd.h
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/*
* jcdctmgr.c
*
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* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2011 D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the forward-DCT management logic.
* This code selects a particular DCT implementation to be used,
* and it performs related housekeeping chores including coefficient
* quantization.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcdctmgr.c
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Found in path(s):
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/*
 * jquant1.c
 *
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 *
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/jquant1.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemnobs.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a really simple implementation of the system-
 * dependent portion of the JPEG memory manager. This implementation
 * assumes that no backing-store files are needed: all required space
 * can be obtained from malloc().
 * This is very portable in the sense that it'll compile on almost anything,
 * but you'd better have lots of main memory (or virtual memory) if you want
 * to process big images.
 * Note that the max_memory_to_use option is ignored by this implementation.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuiRYIw4/libjpeg-turbo-1.2.90/jmemnobs.c
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/*
 * jcprepct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling,
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler. See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuiRYIw4/libjpeg-turbo-1.2.90/jcprepct.c
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/*
 * jchuff.c
 *
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 *
 * This file contains Huffman entropy encoding routines.
 *
 * Much of the complexity here has to do with supporting output suspension.
 * If the data destination module demands suspension, we want to be able to
 * back up to the start of the current MCU. To do this, we copy state
 * variables into local working storage, and update them back to the
 * permanent JPEG objects only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuiRYIw4/libjpeg-turbo-1.2.90/jchuff.c
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- /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJUnitLoader.java
- /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJCompressor.java
- /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/turbojpeg-jni.c
- /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJExample.java
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 */

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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWW4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/tjutil.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIWW4/libjpeg-turbo-1.2.90/bmp.h
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/*
 * rdcolmap.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file implements djpeg's "-map file" switch. It reads a source image
 * and constructs a colormap to be supplied to the JPEG decompressor.
 *
 * Currently, these file formats are supported for the map file:
 * GIF: the contents of the GIF's global colormap are used.
 * PPM (either text or raw flavor): the entire file is read and
 * each unique pixel value is entered in the map.
 * Note that reading a large PPM file will be horrendously slow.
 * Typically, a PPM-format map file should contain just one pixel
 * of each desired color. Such a file can be extracted from an
 * ordinary image PPM file with ppmtomap(1).
 *
 * Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
 * currently implemented.
 */

/* Portions of this code are based on the PBPLUS library, which is:
 **
 ** Copyright (C) 1988 by Jef Poskanzer.
 **
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 ** documentation for any purpose and without fee is hereby granted, provided
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 ** implied warranty.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjulibjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI4/libjpeg-turbo-1.2.90/bmp.c
No license file was found, but licenses were detected in source scan.

; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
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; misrepresented as being the original software.
;
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]

;==========================================================================
; System-dependent configurations

IFDEF WIN32; ----(nasm -fwin32 -DW32 ...)--------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

-- segment definition --

IFDEF __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
ELSE
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
ENDIF

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Open Source Used In Virtualized Voice Browser 12.6(1) 7544

#include

%elifdef WIN64; ---(nasm -fwin64 -DWIN64 ...)--------
; * Microsoft Visual C++

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text  align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name		; foo() -> foo

%elifdef OBJ32; ---(nasm -fobj -DOBJ32 ...)--------
; * Borland C++ (Win32)

; -- segment definition --
;
%define SEG_TEXT .text  align=16 public use32 class=CODE
%define SEG_CONST .data  align=16 public use32 class=DATA

%elifdef ELF; ---(nasm -felf[64] -DELF ...)----------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.gnu-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL _GLOBAL_OFFSET_TABLE_; ELF supports PIC
%define EXTN(name) name; foo() -> foo

%elifdef AOUT; ---(nasm -faouth/aout -DAOUT ...)----
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT    .text
%define SEG_CONST   .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL  __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT    .text ;align=16; nasm doesn't accept align=16. why?
%define SEG_CONST   .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL  _MACHO_PIC_; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT    .text
%define SEG_CONST   .data

%endif; ---------------------------------------------------------------

------------------------------------------------------------------------

; Common types
;
%ifdef __x86_64__
%define POINTER                 qword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_QWORD    ; sizeof(POINTER)
%define POINTER_BIT             QWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%else
%define POINTER                 dword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_DWORD    ; sizeof(POINTER)
%define POINTER_BIT             DWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%endif
; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
%define XMMWORD                                 ; int128 (SSE register)
%define SIZEOF_XMMWORD          SIZEOF_OWORD    ; sizeof(XMMWORD)
%define XMMWORD_BIT             OWORD_BIT       ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD
%ifdef PIC ; -------------------------------------------

%ifdefn GOT_SYMBOL, _MACHO_PIC_ ; ---------------

; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.

SECTION SEG_CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOT1
; NOTE: this macro destroys ecx register.
call %geteip
addecx, byte (%%ref - $)
jmpshort %adjust
%geteip:
mov ecx, POINTER [esp]
ret
%adjust:
pushebp
xorebp, ebp; ebp = 0
%ifidni %1, ebx; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
; lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
dbx8D,0x9C; 8D,9C
jmpnear const_base; E9,(const_base-%%ref)
%%ref:
%else; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
dbx8D,0x8C; 8D,8C
jmpnear const_base; E9,(const_base-%%ref)
%%ref:mov%1,ecx
%endif; (%1 == ebx)
pop ebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_ ---------------

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT1
externGOT_SYMBOL
call %geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmpshort % %done
% %geteip:
mov%1, POINTER [esp]
ret
% %done:
% endmacro

% endif; GOT_SYMBOL == _MACHO_PIC_

% imacro pushpic1.nolist
push%1
% endmacro
% imacro poppic1.nolist
pop%1
% endmacro
% imacro movpic2.nolist
mov%1,%2
% endmacro

% else; !PIC

% define GOTOFF(got,sym) (sym)

% imacro get_GOT1.nolist
% endmacro
% imacro pushpic1.nolist
% endmacro
% imacro poppic1.nolist
% endmacro
% imacro movpic1.nolist
% endmacro
% imacro movpic2.nolist
% endmacro

% endif; PIC

; --------------------------------------------------------------------------
; Align the next instruction on {2,4,8,16,...}-byte boundary.
; ".align n," in GNU as
;
% define MSKLE(x,y)  (~(((y) & 0xFFFF) - ((x) & 0xFFFF)) >> 16)
% define FILLB(b,n)  (($$-(b)) & ((n)-1))

% imacro alignx 1-2.nolist 0xFFFF
%%bs:
times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) 
db 0x90       ; nop
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9 
db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7 
db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/6 \
  db 0x8D,0xAD,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/4 \
  db 0x8D,0x6C,0x25,0x00 ; lea ebp,[ebp+0x00]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/3 \
  db 0x8D,0x6D,0x00 ; lea ebp,[ebp+0x00]
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/2 \
  db 0x8B,0xED ; mov ebp,ebp
  times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/1 \
  db 0x90 ; nop
%
%endmacro

; Align the next data on {2,4,8,16,...}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%
%endmacro

%ifdef __x86_64__
%ifdef WIN64

%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub  rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub  rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add  rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add  rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro

%endif

%endif

; --------------------------------------------------------------------------
;  Defines picked up from the C headers
;  %include "jsimdcfg.inc"

; --------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90/simd/jsimdext.inc
No license file was found, but licenses were detected in source scan.

/*
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdrle.c

No license file was found, but licenses were detected in source scan.

/*
 * jdsample.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains upsampling routines.
 *
 * Upsampling input data is counted in "row groups". A row group
 * is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
 * sample rows of each component. Upsampling will normally produce
 * max_v_samp_factor pixel rows from each row group (but this could vary
 * if the upsampler is applying a scale factor of its own).
 *
 * An excellent reference for image resampling is
 */
libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100
image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and
its about time they become a part of history only. They are too small, come from data sources too old and are
available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are
photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects
of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

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   That is, it is prohibited to sell the material.
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Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to
everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and
Niels Fröhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser,
Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up
this set.

Sachin Garg [India]
sachingarg@c10n.info

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/*
 * jpegcomp.h
 *
 * Copyright (C) 2010, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 * * JPEG compatibility macros
 * * These declarations are considered internal to the JPEG library; most
 * * applications using the library shouldn't need to include this file.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jpegcomp.h

No license file was found, but licenses were detected in source scan.

/*
 * jdphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains Huffman entropy decoding routines for progressive JPEG.
 * *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdphuff.c

No license file was found, but licenses were detected in source scan.

/*
 * jdcoext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 */
This file contains output colorspace conversion routines.

* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYiW4/libjpeg-turbo-1.2.90/jdcolext.c
No license file was found, but licenses were detected in source scan.

/*
*/

* wrppm.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYiW4/libjpeg-turbo-1.2.90/wrppm.c
No license file was found, but licenses were detected in source scan.

/*
*/

* jdmarker.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to decode JPEG datastream markers.
* Most of the complexity arises from our desire to support input
* suspension: if not all of the data for a marker is available,
* we must exit back to the application. On resumption, we reprocess
* the marker.
* /*
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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdmarker.c

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/ *
* jdmgext.c
* *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains code for merged upsampling/color conversion.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jdmgext.c

No license file was found, but licenses were detected in source scan.

/ *
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* *
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* POSSIBILITY OF SUCH DAMAGE.

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*/

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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/turbojpeg.h
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/tjbench.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/tjunittest.c
No license file was found, but licenses were detected in source scan.

*/
* jpegint.h
* 
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file provides common declarations for the various JPEG modules.
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jpegint.h
No license file was found, but licenses were detected in source scan.

*/
* jquant2.c
* 
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
*
* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jquant2.c
No license file was found, but licenses were detected in source scan.

; ; jcolsamp.inc - private declarations for color conversion & up/downsampling
; ; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; ; Based on
; ; x86 SIMD extension for IJG JPEG library
; ; Copyright (C) 1999-2006, MIYASAKA Masaru.
; ; For conditions of distribution and use, see copyright notice in jsimdext.inc
; ; [TAB8]

; ;-----------------------------------------------------------------------------------------------------------------------------------

; ; pseudo-resisters to make ordering of RGB configurable
; 
; %if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif

%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7
%define xmmG xmm6
%define xmmH xmm7
%endif

; ---------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/simd/jcolsamp.inc
No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in GIF format.
 *
 * **************************************************************************
 * NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
 * this code has been modified to output "uncompressed GIF" files.         *
 * There is no trace of the LZW algorithm in this file.                  *
 * **************************************************************************
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */
/*
* This code is loosely based on ppmtogif from the PBMPLUS distribution
  * of Feb. 1991. That file contains the following copyright notice:
  * Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
  * Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
  * Copyright (C) 1989 by Jef Poskanzer.
  * Permission to use, copy, modify, and distribute this software and its
    * documentation for any purpose and without fee is hereby granted, provided
    * that the above copyright notice appear in all copies and that both that
    * copyright notice and this permission notice appear in supporting
    * documentation. This software is provided "as is" without express or
    * implied warranty.
  * 
  * We are also required to state that
  * "The Graphics Interchange Format(c) is the Copyright property of
    * CompuServe Incorporated. GIF(sm) is a Service Mark property of
    * CompuServe Incorporated."
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

 /**<
  * jerror.c
  *
  * Copyright (C) 1991-1998, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains simple error-reporting and trace-message routines.
  * These are suitable for Unix-like systems and others where writing to
  * stderr is the right thing to do. Many applications will want to replace
  * some or all of these routines.
  *
  * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
  * you get a Windows-specific hack to display error messages in a dialog box.
  * It ain't much, but it beats dropping error messages into the bit bucket,
  * which is what happens to output to stderr under most Windows C compilers.
  *
  * These routines are used by both the compression and decompression code.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jerror.c
No license file was found, but licenses were detected in source scan.
TurboJPEG Java Wrapper

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpegturbo/turbojpeg. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.

Installation Directory

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90.java/README
No license file was found, but licenses were detected in source scan.

/
* jdcoefct.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.
* 
* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdcoefct.c
No license file was found, but licenses were detected in source scan.

/
* jfdctfst.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a fast, not so accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
* 
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* 
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jfdctfst.c
No license file was found, but licenses were detected in source scan.

/*
* jdmaster.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2002-2009 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains master control logic for the JPEG decompressor.
* These routines are concerned with selecting the modules to be executed
* and with determining the number of passes and the work to be done in each
* pass.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdmaster.c
No license file was found, but licenses were detected in source scan.

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue
of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RlxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/release/deb-control.tmpl
No license file was found, but licenses were detected in source scan.

/*
* jdpostct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the decompression postprocessing controller.
* This controller manages the upsampling, color conversion, and color
* quantization/reduction steps; specifically, it controls the buffering
* between upsample/color conversion and color quantization/reduction.
*
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RlxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
* jcapistd.c
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the compression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-compression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcapistd.c
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdatasrc.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_x86_64.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jsimd_x86_64.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; for more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jiss2fst.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jiss2fst-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jimmxfst.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYW4/libjpeg-turbo-1.2.90/simd/jfss2fst.asm
No license file was found, but licenses were detected in source scan.

/*
* jcmaster.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2003-2010 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains master control logic for the JPEG compressor.
* These routines are concerned with parameter validation, initial setup,
* and inter-pass control (determining the number of passes and the work
* to be done in each pass).
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcmaster.c
No license file was found, but licenses were detected in source scan.

/*
* jcparam.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcparam.c
No license file was found, but licenses were detected in source scan.

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* 1. The origin of this software must not be misrepresented; you must not
* 2. Altered source versions must be plainly marked as such, and must not be
* 3. This notice may not be removed or altered from any source distribution.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jsimd_arm_neon.S
No license file was found, but licenses were detected in source scan.

\rtf1ansiansiincpg1252cocoartf1038cocoasubrtf360
{\fonttblf0fswissfcharset0Helveti};
{\colorlbrred255green255blue255;}

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

wrtarga.c

* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in Targa format.
* These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to an ordinary stdio stream.
* Based on code contributed by Lee Daniel Crocker.

wrtarga.c
/*
* jcmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG
* compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcmainct.c
No license file was found, but licenses were detected in source scan.

/*
* jmemmgr.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the JPEG system-independent memory management
* routines. This code is usable across a wide variety of machines; most
* of the system dependencies have been isolated in a separate file.
* The major functions provided here are:
*   * pool-based allocation and freeing of memory;
*   * policy decisions about how to divide available memory among the
*     virtual arrays;
*   * control logic for swapping virtual arrays between main memory and
*     backing storage.
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jmemmgr.c
No license file was found, but licenses were detected in source scan.
This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
  * Copyright (C) 2010, D. R. Commander.
  * For conditions of distribution and use, see the accompanying README file.

This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
* Note that this code is bypassed in raw-data mode, since the application
  supplies the equivalent of the main buffer in that case.

This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.

This file contains declarations for image transformation routines and
  other utility code used by the jpegtran sample application. These are
Open Source Used In Virtualized Voice Browser 12.6(1) 7571

* NOT part of the core JPEG library. But we keep these routines separate
* from jpegtran.c to ease the task of maintaining jpegtran-like programs
* that have other user interfaces.
*
* NOTE: all the routines declared here have very specific requirements
* about when they are to be executed during the reading and writing of the
* source and destination files. See the comments in transupp.c, or see
* jpegtran.c for an example of correct usage.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIYW4/libjpeg-turbo-1.2.90/transupp.h
No license file was found, but licenses were detected in source scan.

/*
 * jcarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIYW4/libjpeg-turbo-1.2.90/jcarith.c
No license file was found, but licenses were detected in source scan.

*******************************************************************************
**     Background
*******************************************************************************

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less
libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

*******************************************************************************
**     License
*******************************************************************************

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

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- Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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*******************************************************************************
**     Using libjpeg-turbo
*******************************************************************************
libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

**TurboJPEG API:** This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

**libjpeg API:** This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

==========================================
Installation Directory
==========================================

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][-64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

==========================================
Replacing libjpeg at Run Time
==========================================

Un*x
----

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s
[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real  0m0.109s
user  0m0.029s
sys   0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the
64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with
links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}.
This will effectively accelerate every application that uses the libjpeg
dynamic library on the system.

Windows
-------

If a Windows application is dynamically linked with libjpeg, then you can
replace libjpeg with libjpeg-turbo at run time by backing up the application's
copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its
own local copy of this library) and copying the corresponding DLL from
libjpeg-turbo into the application's install directory. The official
libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses
jpeg7.dll or jpeg8.dll instead, then it will be necessary to build
libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary
packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll).
msvcr90.dll ships with more recent versions of Windows, but users of older
Windows releases can obtain it from the Visual C++ 2008 Redistributable
Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure,
such as a file handle, from an application to the library will probably not
work with jpeg62.dll, unless the application is also built to use the Visual
C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and
jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside
the (hidden) application bundle, so it is not possible to globally replace
libjpeg on OS X systems. Replacing the application's version of the libjpeg
A dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to re-point the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

Using libjpeg-turbo in Your Own Programs

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Unix* systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

```
CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}
```

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

```
CPATH=/c/libjpeg-turbo-gcc[64]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib
```

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Unix* systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass `-R /opt/libjpeg-turbo/{lib}` to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Unix* or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

```
-Wl,-Bstatic -ljpeg -Wl,-Bdynamic
```

On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add c:\libjpeg-turbo[64]\include to the system or user INCLUDE environment variable and c:\libjpeg-turbo[64]\lib to the system or user LIB environment
libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

```
JCS_EXT_RGB   /* red/green/blue */
JCS_EXT_RGBX  /* red/green/blue/x */
JCS_EXT_BGR   /* blue/green/red */
JCS_EXT_BGRX  /* blue/green/red/x */
JCS_EXT_XBGR  /* x/blue/green/red */
JCS_EXT_XRGB  /* x/red/green/blue */
JCS_EXT_RGBA  /* red/green/blue/alpha */
JCS_EXT_BGRA  /* blue/green/red/alpha */
JCS_EXT_ABGR  /* alpha/blue/green/red */
JCS_EXT_ARGB  /* alpha/red/green/blue */
```

Setting cinfo.in_color_space (compression) or cinfo.out_color_space (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

```
#ifdef JCS_EXTENSIONS
```

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a “Bogus input colorspace” error. Applications can trap this error in order to test whether run-time support is available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA, JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:
ifdef JCS_ALPHA_EXTENSIONS

jctest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

===================================
libjpeg v7 and v8 API/ABI Emulation
===================================

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:
-- libjpeg: IDCT scaling extensions in decompressor
libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
Note that the libjpeg v7+ API was extended to accommodate this feature only
for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.  
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
    This requires both the DCT scaling and SmartScale features, which are not 
supported.

-- Lossless RGB JPEG files
    This requires the SmartScale feature, which is not supported.

What About libjpeg v9?
----------------------

libjpeg v9 introduced yet another field to the JPEG compression structure
(color_transform), thus making the ABI backward incompatible with that of
libjpeg v8. This new field was introduced solely for the purpose of supporting
lossless SmartScale encoding. Further, there was actually no reason to extend
the API in this manner, as the color transform could have just as easily been
activated by way of a new JPEG colorspace constant, thus preserving backward
ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not
generally accomplish anything that can't already be accomplished better with
existing, standard lossless formats. Thus, at this time, it is our belief that
there is not sufficient technical justification for software to upgrade from
libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification
for us to emulate the libjpeg v9 ABI.

=======================================

In-Memory Source/Destination Managers
=======================================

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and
jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI.
Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8
API/ABI emulation in order to use the in-memory source/destination managers,
but several projects requested that those functions be included when emulating
the libjpeg v6b API/ABI as well. This allows the use of those functions by
programs that need them without breaking ABI compatibility for programs that
don't, and it allows those functions to be provided in the "official"
libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg
v6b or v7 API can pass an argument of --without-mem-srcdst to configure or
an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo.
This will restore the pre-1.3 behavior, in which jpeg_mem_src() and
jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.
On Un*x systems, including the in-memory source/destination managers changes
the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI
emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a
function in a library until that function is actually used. Thus, if a program
is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(),
that program will not fail if run against an older version of libjpeg-turbo or
against libjpeg v7- until the program actually tries to call jpeg_mem_src() or
jpeg_mem_dest(). Such is not the case on Windows. If a program is built
against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(),
then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory
source/destination manager functions. See their respective man pages for more
details.

*******************************************************************************
** Mathematical Compatibility
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg
v6b. The one exception to this is when using the floating point DCT/IDCT, in
which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to
be identical (the accuracy of the floating point DCT/IDCT is constant when
using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on
the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is
still using the same algorithms as libjpeg v6b, so there are several specific
cases in which libjpeg-turbo cannot be expected to produce the same output as
libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8
   implements those scaling algorithms a bit differently than libjpeg v6b does,
   and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this
   with its DCT/IDCT scaling algorithms rather than with a separate
downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also
   because the floating point IDCT algorithm was modified in libjpeg v8a to
   improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or
   "non-smooth") chrominance upsampling, because libjpeg v8 does not support
merged upsampling with scaling factors > 1.

*******************************************************************************
** Performance Pitfalls
*******************************************************************************

===============
Restart Markers
===============

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

===============================================
Fast Integer Forward DCT at High Quality Levels
===============================================

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
* case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jcapistd.c. But also see jeparm.c for
* parameter-setup helper routines, jcomapi.c for routines shared by
* compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjui/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcapimin.c
No license file was found, but licenses were detected in source scan.

/*
* jsimd_arm.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on
* ARM architecture.
* Based on the stubs from 'jsimd_none.c'
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjui/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jsimd_arm.c
No license file was found, but licenses were detected in source scan.

License:IJG

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrjui/libjpeg-turbo.spec
No license file was found, but licenses were detected in source scan.

/*
* jdhuff.h
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the
* progressive decoder (jdphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdhuff.h
No license file was found, but licenses were detected in source scan.

/*!
* jdapistd.c
* *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-decompression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_decompress, it will end up linking in the entire decompressor.
* We thus must separate this file from jdapimin.c to avoid linking the
* whole decompression library into a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdapistd.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jimmxint.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2int.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2int.asm

No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)
=================

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tj DecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)
The width and height in the -crop argument passed to jpegtran can now be suffixed with "f" to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)

Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
=====

Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set
to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVQDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form "%define' expects a macro identifier".

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimd.cfg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.
[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and librjpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
==================
[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed
libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected
markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
=====

[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is >= 98 and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.

[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.


[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)
=============

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.


[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.
1.0.1
=====

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93
=====

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems
0.0.91
========

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
========

Initial release

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/ChangeLog.txt
No license file was found, but licenses were detected in source scan.

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*/
*/

реджиф.c
 *
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains routines to read input images in GIF format.
* *
*****************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.
*****************************************************************************
* *
* We are required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
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*/

/*
* jdtrans.c
 *
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* *
* This file contains library routines for transcoding decompression,
* that is, reading raw DCT coefficient arrays from an input JPEG file.
* The routines in jdapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdtrans.c
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 *
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 *
 * This file contains routines to read input images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed Targa format).
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdtarga.c
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/ *
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

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/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
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 *
 * This file contains stubs for when there is no SIMD support available.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jaricom.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jsimd_none.c

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 * jQuery JavaScript Library v1.3.2
 * http://jquery.com/
 *
 * Copyright (c) 2009 John Resig
 * Dual licensed under the MIT and GPL licenses.
 * http://docs.jquery.com/License
 *
 * Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
 * Revision: 6246
 */

/*
 * Sizzle CSS Selector Engine - v0.9.3
 * Copyright 2009, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 * More information: http://sizzlejs.com/
 */

/*
 * jQuery UI 1.7.2
 *
 * Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about)
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 *
 * http://docs.jquery.com/UI
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/**
 * jQuery.ScrollTo - Easy element scrolling using jQuery.
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 * Date: 2/8/2008
 * @author Ariel Flesler
 * @version 1.3.2
 */

Found in path(s):

1.725 jetty-util 6.1.10

1.726 sitemesh 2.2.1

1.727 fuse 2.9.2 11.el7
1.727.1 Available under license:

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* /opt/cola/permits/1138563450_1614290754.49/0/cassandra-all-2-1-11-sources-1-jar/org/apache/cassandra/io/util/SafeMemoryWriter.java
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* /opt/cola/permits/1138563450_1614290754.49/0/cassandra-all-2-1-11-sources-1-jar/org/apache/cassandra/io/util/concurrent/SelfRefCounted.java
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* /opt/cola/permits/1138563450_1614290754.49/0/cassandra-all-2-1-11-sources-1-
  jar/org/apache/cassandra/auth/AllowAllInternodeAuthenticator.java
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jar/org/apache/coyote/ajp/AjpNioProtocol.java
* /opt/cola/permits/1137195122_1614028697.63/0/tomcat-coyote-8-0-43-sources-1-
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jar/org/apache/tomcat/util/net/SendfileKeepAliveState.java
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jar/org/apache/tomcat/util/collections/SynchronizedStack.java
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* /opt/cola/permits/1137195122_1614028697.63/0/tomcat-coyote-8-0-43-sources-1.jar/org/apache/tomcat/util/http/fileupload/SlidingWindowFileItem.java
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* /opt/cola/permits/1137195122_1614028697.63/0/tomcat-coyote-8-0-43-sources-1-
  jar/org/apache/tomcat/util/http/fileupload/util/mime/QuotedPrintableDecoder.java
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Initial implementation

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1.736 guava 30.1-android

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  jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Range.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ImmutableBiMap.java

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jar/com/google/common/collect/SortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/SortedMultisets.java

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*/

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  jar/com/google/common/util/concurrent/MoreExecutors.java
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*
* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap class.
*/

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jar/com/google/common/util/concurrent/Striped.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/Parameter.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/InvocationHandler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ImmutableMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypicalMethodsImpl.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypicalMethodAdvice.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeAdvice.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeTranslator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/package-info.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/escape/package-info.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/LongAddable.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ByteSink.java
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/**
* Holder for web specializations of methods of [code Floats]. Intended to be empty for regular
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Verify.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/SubscriberExceptionHandler.java
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 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@link ImmutableSortedMap}, not this dummy
 * version.
 * *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@link Comparable} to use {@link
 * ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
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 */

/**
 * Holder for web specializations of methods of {@code Ints}. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/IntsMethodsForWeb.java
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* / *
/**
* Holder for web specializations of methods of [@code Shorts]. Intended to be empty for regular
* version.
* /
/

Found in path(s):
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/ShortsMethodsForWeb.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/Reflection.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Count.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
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jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/ImmutableIntArray.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/JdkPattern.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/TreeTraverser.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/CompactHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableEnumMap.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RegularImmutableTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/MapMakerInternalMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ByteArrayList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/DenseImmutableTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/html/HtmlEscapers.java
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 */

/*
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/Partially.java

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  jar/com/google/common/graph/StandardMutableNetwork.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/ArrayListMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/GraphConstants.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/HashMultimapGwtSerializationDependencies.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/NetworkOrder.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/StandardValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/StandardNetwork.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Comparators.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/EdgesConnecting.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/StandardMutableGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/graph/AbstractGraphBuilder.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Enums.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Present.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Absent.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Optional.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Optional.java

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  jar/com/google/common/base/Strings.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/ContiguousSet.java
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  jar/com/google/common/cache/Weigher.java
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  jar/com/google/common/hash/Hasher.java
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* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/net/package-info.java
* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/annotations/Beta.java
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* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/common/collect/SortedLists.java
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* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/package-info.java
* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Equivalence.java
* /opt/cola/permissions/1138271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Ascii.java

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 */
/
/*
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 */
/*
* Holder for extra methods of {code Objects} only in web. Intended to be empty for regular
* version.
*/
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/thirdparty/publicsuffix/TrieParser.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Converter.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/Ints.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/package-info.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/package-info.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Defaults.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/IncidentEdgeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/CompactHashing.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/GwtTransient.java

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*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/collect/ObjectArrays.java
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  jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
  jar/com/google/common/io/ReaderInputStream.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ObjectCountLinkedHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ObjectCountHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/Traverser.java

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1.737 pcre 8.32 17.el7
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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Written by: Zoltan Herczeg
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1.738 glib 2.56.1 2.el7
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Last revised by Reagle $Date: 2005/06/03 22:49:13$

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David Megginson, david@megginson.com
2000-05-05

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() [] {}

Found in path(s):
* // brackets must be in pairs
No license file was found, but licenses were detected in source scan.

Found in path(s):
* // Chew on the expression text - relying on the rules
  * case ""
  * case \\
No license file was found, but licenses were detected in source scan.

"foo${expr0}bar${expr1}". The static

Found in path(s):
* * number of expressions all contained in "${...}" markers. For instance
No license file was found, but licenses were detected in source scan.
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 */

Found in path(s):
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-
  jar/org/springframework/expression/spel/ast/AstUtils.java
No license file was found, but licenses were detected in source scan.

" +

Found in path(s):
* " for expression starting at character " + prefixIndex + "
No license file was found, but licenses were detected in source scan.

case '\t';case '}':

Found in path(s):
* case '{'
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 */
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* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/InternalParseException.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OperatorNot.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OpOr.java
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* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/Ternary.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OpAnd.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/OpGE.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/BooleanLiteral.java
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* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-
  jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
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  jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
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  jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-
  jar/org/springframework/expression/common/TemplateParserContext.java
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case '[': case '(': case '{':

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* case '{'

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1.758 harfbuzz 0.9.36 1.el7
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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/CodeFlow.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/InternalParseException.java
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  */opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorBetween.java
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  */opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-jar/org/springframework/expression/spel/ast/StringLiteral.java
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.s$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.s$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

Open Source Used In Virtualized Voice Browser 12.6(1) 7876
## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed 's/\(\%\)\.o\[ :\]/\1.o $@ :/g'\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed 's/\(\%\)\.o\[ :\]/\1.o $@ :/g'\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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1.766 jcli 1.0-alpha-3
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1.767 zlib 1.2.5
1.767.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.768 librabbitmq 0.7.1

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1.769 libxml 2.9.9

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# -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bs symbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao
## Compilation rules

```bash
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%:o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%:o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

## Dependency rules

```bash
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< \n | sed "s/($:\n).o: . /$1.o $@ : /g" > $@; \n [ -s $@ ] \n || rm -f $@"
%:d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.cc) $< \n | sed "s/($:\n).o: . /$1.o $@ : /g" > $@; \n [ -s $@ ] \n || rm -f $@"
```

## Versioned libraries rules

```bash
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@
```

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### 1.771 java_cup 0.11a

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1.772 openjdk 1.8.0u252
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```c
## c-libutl 20160225

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include/GL/gl.h:

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include/GL/glxext.h
include/GL/wglxext.h:

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPLv2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html
org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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1.789 jackson-jaxrs 2.10.1

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1.790 jasper 1.900.1 33.el7

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1.791 jersey-bean-validation 2.13

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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/http/conn/ssl/SdkTLSSocketFactory.java

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  jar/com/amazonaws/Protocol.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/config/SignerConfig.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/config/JsonIndex.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/config/Builder.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java

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  jar/com/amazonaws/internal/SdkFilterInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/Base16Codec.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/SdkFilterOutputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/regions/Region.java
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  jar/com/amazonaws/transform/SimpleTypeStaxUnmarshallers.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/transform/VoidStaxUnmarshaller.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/waiters/AcceptorPathMatcher.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/waiters/WaiterState.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/policy/conditions/IPAddressCondition.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/AWSRequestMetrics.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/policy/Condition.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/AmazonWebServiceClient.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/SignerFactory.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/CountingInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/CollectionUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/config/HttpClientConfigJsonHelper.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/ServiceEndpointBuilder.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/handlers/HandlerChainFactory.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/waiters/WaiterHandler.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/policy/conditions/NumericCondition.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/metrics/MetricType.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/http/AmazonHttpClient.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/BasicAWSCredentials.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/internal/IdentityEndpointBuilder.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/metrics/ByteThroughputProvider.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/metrics/ServiceMetricCollector.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/metrics/ServiceMetricType.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/policy/package-info.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/waiters/SdkFunction.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/Signer.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/Response.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/NoOpSigner.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/waiters/FixedDelayStrategy.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/XpathUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/metrics/AwsSdkMetrics.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/http/impl/client/SdkHttpRequestRetryHandler.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/VersionInfoUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/metrics/MetricInputStreamEntity.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/SignerAsRequestSigner.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/transform/VoidUnmarshaller.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/http/HttpMethodName.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/AWSCredentials.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/XmlUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/SignatureVersion.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/transform/Unmarshaller.java
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- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/retry/initial/CredentialsEndpointRetryPolicy.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/EC2CredentialsFetcher.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/ConnectionUtils.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/retry/initial/CredentialsEndpointRetryParameters.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/retry/initial/CredentialsEndpointProvider.java
- /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/EC2CredentialsUtils.java

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  jar/com/amazonaws/auth/AWSSessionCredentials.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/metrics/MetricAdminMBean.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/metrics/MetricAdminMBean.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/auth/BasicSessionCredentials.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/ClassLoaderHelper.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/jmx/spi/JmxInfoProvider.java
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  jar/com/amazonaws/RequestClientOptions.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/util/ServiceClientHolderInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/jmx/spi/SdkMBeanRegistry.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/util/BinaryUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/util/DateUtils.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/event/ResponseProgressInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/event/request/Progress.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/event/request/ProgressSupport.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1.jar/com/amazonaws/internal/SdkSocket.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/external/EC2MetadataClient.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/CustomConnectionReaper.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/ResettableInputStream.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/ReleasableInputStream.java

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  jar/com/amazonaws/log/InternalLogApi.java

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  jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-
  jar/com/amazonaws/partitions/PartitionRegionImpl.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/MetadataCache.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/auth/NoOpSignerProvider.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/auth/SignerProviderContext.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/NullResponseMetadataCache.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/util/URLEncodedUtils.java
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* /opt/cola/permits/1136045064_1613664826.23/0/aws-java-sdk-core-1-11-61-sources-1-jar/com/amazonaws/annotation/NotThreadSafe.java
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Written by: Philip Hazel
Email local part: ph10
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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   When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

   If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

   Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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1.806 sg3-utils 1.37
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1.808 libxv 1.0.11 1.el7

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1.810 neko-html 1.9.16

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* /opt/cola/permits/1146195599_1616477363.82/0/nekohtml-1-9-16-sources-1-jar/org/cyberneko/html/xercesbridge/XercesBridge_2_0.java
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* /opt/cola/permits/1146195599_1616477363.82/0/nekohtml-1-9-16-sources-1-jar/org/cyberneko/html/xercesbridge/XercesBridge_2_2.java
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Pod::Spec.new do |s|
  s.name         = "DCPathButton"
  s.version      = "2.1.1"
end
s.summary = "A beautiful button copy from Path®"

s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :) DESC

s.homepage = "https://github.com/Tangdixi/DCPathButton"

s.license = {
:type => 'MIT',
:text => 'The DCPathButton use the MIT license'
}

s.author = { "Tangdixi" => "Tangdixi@gmail.com" }

s.platform = :ios, '7.0'

s.source = {
:git => "https://github.com/Tangdixi/DCPathButton.git",
:tag => "2.1.1"
}

s.source_files = 'DCPathButton/Classes/*.{h,m}'

s.resources = ['DCPathButton/Sounds/*']

s.frameworks = ['QuartzCore','AudioToolbox']

s.requires_arc = true

end

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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FullName Helvetica Bold Oblique
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ItalicAngle -12
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -174 -228 1114 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
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CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
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C 33 ; WX 333 ; N exclaim ; B 94 0 397 718 ;
C 34 ; WX 474 ; N quotedbl ; B 193 447 529 718 ;
C 35 ; WX 556 ; N numbersign ; B 60 0 644 698 ;
C 36 ; WX 556 ; N dollar ; B 67 -115 622 775 ;
C 37 ; WX 889 ; N percent ; B 136 -19 901 710 ;
C 38 ; WX 722 ; N ampersand ; B 89 -19 732 718 ;
C 39 ; WX 278 ; N quoteleft ; B 167 445 529 710 ;
C 40 ; WX 333 ; N parenleft ; B 76 -208 470 734 ;
C 41 ; WX 333 ; N parenright ; B -25 -208 369 734 ;
C 42 ; WX 389 ; N asterisk ; B 146 387 481 718 ;
C 43 ; WX 584 ; N plus ; B 82 0 610 506 ;
C 44 ; WX 278 ; N comma ; B 28 -168 245 146 ;
C 45 ; WX 333 ; N hyphen ; B 73 215 379 345 ;
C 46 ; WX 278 ; N period ; B 64 0 245 146 ;
C 47 ; WX 278 ; N slash ; B -37 -19 468 737 ;
C 48 ; WX 556 ; N zero ; B 86 -19 617 710 ;
C 49 ; WX 556 ; N one ; B 173 0 529 710 ;
C 50 ; WX 556 ; N two ; B 26 0 619 710 ;
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Version 002.000
Times is a trademark of Linotype-Hell AG and/or its subsidiaries.
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Open Source Used In Virtualized Voice Browser 12.6(1) 8736
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EndKernData
EndFontMetrics

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No license file was found, but licenses were detected in source scan.

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FullName Times Italic
FamilyName Times
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FontBBox -169 -217 1010 883
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 653
XHeight 441
Ascender 683
Descender -217
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StdVW 76
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Open Source Used In Virtualized Voice Browser 12.6(1) 8750
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UnderlineThickness 50
Version 002.000
Times is a trademark of Linotype-Hell AG and/or its subsidiaries.
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Descender -217
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StdVW 84
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No license file was found, but licenses were detected in source scan.

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StdHW 28
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/*
* regex.h -- regular expression definitions for lsof
*
* This header file is used only when the dialect has no POSIX-conformant
* regular expression function set. When that is the case, the dialect's
* machine.h will define USE_LIB_REGEX.
*
* When the dialect has a POSIX-conformant regular expression function set,
* USE_LIB_REGEX is not defined and this header file #include's <regex.h>.
*
* V. Abell <abe@purdue.edu>
* Purdue University
*/

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#ifdef USE_LIB_REGEX
/*
* This section comes from GLIBC 2.2. It is used only when the dialect
* has no POSIX-conformant regular expression function set. When that is
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*/

/* Definitions for data structures and routines for the regular
expression library, version 0.12.

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1.837 gir1.2-gdkpixbuf-2.0 2.24.0

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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
* Sub-types

[@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its subtypes:

* @link ChannelInboundHandler to handle inbound I/O events, and

* @link ChannelOutboundHandler to handle outbound I/O operations.

* Alternatively, the following adapter classes are provided for your convenience:

* @link ChannelInboundHandlerAdapter to handle inbound I/O events,

* @link ChannelOutboundHandlerAdapter to handle outbound I/O operations,

* @link ChannelDuplexHandler to handle both inbound and outbound events

* For more information, please refer to the documentation of each subtype.

State management

A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext] object. A [@link ChannelHandler] is supposed to interact with the [@link ChannelPipeline] it belongs to via a context object. Using the context object, the [@link ChannelHandler] can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using [@link AttributeKey]s) which is specific to the handler.

The context object

A [@link ChannelHandler] often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}
```

```java
public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
        }
    }
}
```
<b>loggedIn = true;</b>

if (message instanceof GetDataMessage) {
  ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
} else {
  fail();
}

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where an unauthenticated client can get
the confidential information:

// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(}Channel{)}.

public class DataServerInitializer extends {@link ChannelInitializer}{@link Channel}{
  @Override
  public void initChannel({@link Channel} channel) {
    channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
  }
}

<h4>Using {@link AttributeKey}s</h4>

Although it's recommended to use member variables to store the state of a
handler, for some reason you might not want to create many handler instances.
In such a case, you can use {@link AttributeKey}s which is provided by
{@link ChannelHandlerContext}:

public interface Message {
  // your methods here
}

public class DataServerHandler extends {@link SimpleChannelInboundHandler}{@link Message}{
  private final {@link AttributeKey}{@link Boolean} auth = AttributeKey.valueOf("auth").valueOf();

  @Override
  public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
    {@link Attribute}@{link Boolean} attr = ctx.attr(auth);
    if (message instanceof LoginMessage) {

    }
  }
}
authenticate((LoginMessage) o);
        <b>attr.set(true)</b>;
    } else (message instanceof GetDataMessage) {
        if (<b>Boolean.TRUE.equals(attr.get())</b>) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
        } else {
            fail();
        }
    }
    ... 
} 
</pre>

* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the same handler instance to different pipelines:

<pre>
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*     {
*         @Override
*         public void initChannel({@link Channel} channel) {
*             channel.pipeline().addLast("handler", <b>SHARED</b>);
*         }
*     }
* } 
</pre>

<h4>The {code @Sharable} annotation</h4>

* In the example above which used an {@link AttributeKey},
* you might have noticed the {code @Sharable} annotation.
* If a {@link ChannelHandler} is annotated with the {code @Sharable} annotation, it means you can create an instance of the handler just once and add it to one or more {@link ChannelPipeline}s multiple times without a race condition.
* If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.
* This annotation is provided for documentation purpose, just like a href="http://www.javaconcurrencyinpractice.com/annotations/doc/" the JCIP annotations.</p>

<h3>Additional resources worth reading</h3>

* Please refer to the {@link ChannelHandler}, and
*{@link ChannelPipeline} to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandler.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultChannelId.java
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jar/io/netty/channel/pool/ChannelHealthChecker.java
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jar/io/netty/channel/socket/DuplexChannel.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelOutboundInvoker.java
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jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/group/VoidChannelGroupFuture.java
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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*/
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* @param methods
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* @return true if the operation succeeds false otherwise
*/
/**
* Check to see what permissions have been granted to current app by the specified external application.
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* Application A grants permission on users.getInfo to Application B, Applicatio B can then call permissions_checkAvailableApiAccess(A) and will recieve
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* @return a list of all API methods that the specified application has permission to use.
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    BIRT Runtime
What is it?

-----------

BIRT is an open source, Eclipse-based reporting system that integrates with your application to produce compelling reports for both web and PDF.

BIRT Runtime includes the resource which is necessary to run BIRT engine and BIRT chart. It also includes a BIRT Sample Web Viewer.

BIRT Engine is a report engine which generates report from defined report and related data source.

BIRT Chart is a 2 or 2.5 dimension data representation component. It can produce 24-bit images, 8-bit images, SWT graphics or SWING graphics.

You can find more information about BIRT and related technology from http://www.eclipse.org/birt/faq/

The Website for BIRT.

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You can find the manual, samples and other source from http://www.eclipse.org/birt.

Running the BIRT Engine in Console

-------------------------------

In order to run the BIRT engine in command you should:

1. set BIRT_HOME to the directory where BIRT Report Runtime Package is extracted.
2. enter into $BIRT_HOME/ReportEngine folder.
2. generate the report by run
   
   genReport xxx.rptdesign
   
   xxx.rptdesign is the design file. if the design file is in the current directory, you have to specify it by .\xxx.rptdesign

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Thanks for using BIRT.

BIRT Team

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*/opt/cola/permits/1137195005_1614028750.37/0/org-eclipse-core-runtime-3-10-0-v20140318-2214-sources-1-jar/runtime_readme.txt
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1.850 jetty-util 9.4.30.v20200611

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/DefaultJpaDialect.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/PersistenceManagerHolder.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/vendor/OpenJpaDialect.java

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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/persistenceunit/SpringPersistenceUnitInfo.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/EntityManagerFactoryInfo.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/persistenceunit/MutablePersistenceUnitInfo.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
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jar/org/springframework/orm/jdo/JdoUsageException.java
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jar/org/springframework/orm/jpa/ExtendedEntityManagerCreator.java
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jar/org/springframework/orm/jdo/PersistenceManagerFactoryUtils.java
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jar/org/springframework/orm/jdo/PersistenceManagerFactoryUtils.java
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  jar/org/springframework/orm/ibatis/SqlMapClientCallback.java
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  jar/org/springframework/orm/hibernate3/FilterDefinitionFactoryBean.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/hibernate3/LocalTransactionManagerLookup.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/vendor/TopLinkJpaVendorAdapter.java
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Create a transactional EntityManager proxy for the given EntityManagerFactory.
@param emf EntityManagerFactory to obtain EntityManagers from as needed
@param properties the properties to be passed into the
<code>createEntityManager</code> call (may be <code>null</code>)
@param entityManagerInterfaces the interfaces to be implemented by the
EntityManager. Allows the addition or specification of proprietary interfaces.
@return a shareable transactional EntityManager proxy

1.856 commons-beanutils 1.6
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1.857 google-http-client 1.34.0

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Ty Coon, President of Vice

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1.862.1 Available under license :
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Found in path(s):
* // Chew on the expression text - relying on the rules
* case ""
* case "\"
No license file was found, but licenses were detected in source scan.

() [] {}

Found in path(s):
* // brackets must be in pairs
No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/AstUtils.java
No license file was found, but licenses were detected in source scan.

" +

Found in path(s):
* " for expression starting at character " + prefixIndex + "
No license file was found, but licenses were detected in source scan.

//www.apache.org/licenses/LICENSE-2.0

Found in path(s):
* * http
No license file was found, but licenses were detected in source scan.

case '[': case '(':

Found in path(s):
* * case '{'
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/
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
No license file was found, but licenses were detected in source scan.

"foo${expr0}bar${expr1}". The static

Found in path(s):
* * number of expressions all contained in "${...}" markers. For instance
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 */

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case ']':

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/SpelParseException.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ParserContext.java

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case '}else';

Found in path(s):
* case '}'
No license file was found, but licenses were detected in source scan.

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 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/Projection.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/Indexed.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/InlineList.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/common/TemplateParserContext.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/TypeConverter.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/EvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/ConstructorResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/InLiteral.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/Selection.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/TypedValue.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/BeanResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1.jar/org/springframework/expression/expression/common/ExpressionUtils.java
No license file was found, but licenses were detected in source scan.

square brackets [], round brackets () and curly brackets {}

Found in path(s):
* * Bracket is used to describe
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/common/LiteralExpression.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/InternalParseException.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpMultiply.java
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* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpDivide.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/cache/NamedRunnable.java
* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/Request.java
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* /opt/cola/permits/1125673732_1611398541.97/0/okhttp-3-12-12-sources-1-jar/okhttp3/internal/http/Http2.java
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1.873 javax-inject 1

1.874 stax 3.1.4

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1.876 pixman 0.32.6 3.el7

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src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
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src/tools/ftrandom/ftrandom.c
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1.882 compress-lzf 0.8.4

1.883 parted 3.1 29.el7
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1.889 struts2-config-browser-plugin 2.5.22

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1.893 ognl 3.1.21

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 *
 * <p>
 * If this exception is thrown it is expected that ognl will fall back to default ognl
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 * </p>
 *
 * @author jkuhnert
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTNotEq.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectLast.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectFirst.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTInstanceOf.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTShiftRight.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTAdd.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTLessEq.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTAnd.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTNot.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTEq.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTInstanceof.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectFirst.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectLast.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectLast.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/oognl-3-1-21-sources-jar/oognl/OgnlInvokePermission.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/oognl-3-1-21-sources-jar/oognl/enhance/ContextClassLoader.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTEval.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/OgnlOps.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTRootVarRef.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/OgnlRuntime.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/SimpleNode.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTSelect.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ArrayPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTStaticField.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ObjectMethodAccessor.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTThisVarRef.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ListPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTList.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/PropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTChain.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/Ognl.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ObjectPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTMap.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTProject.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTStaticMethod.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTConst.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/OgnlContext.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTCtor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/ognl-3.1.21-sources-jar/ognl/ASTVarRef.java

1.894 netty-codec-socks 4.1.45.Final

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jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socksx/package-info.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socksx/v5/AbstractSocks5Message.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java

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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/netty-codec-socks-4-1-45-final-sources-jar/io.netty.handler.codec/socks/SocksMessageType.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/netty-codec-socks-4-1-45-final-sources-jar/io.netty.handler.codec/socks/SocksCmdType.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/netty-codec-socks-4-1-45-final-sources-jar/io.netty.handler.codec/socks/SocksAddressType.java
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* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/netty-codec-socks-4-1-45-final-sources-jar/io.netty.handler.codec/socks/SocksAuthScheme.java
* /opt/ws_local/PERMITS_SQL/1068792427_1594461242.74/netty-codec-socks-4-1-45-final-sources-jar/io.netty.handler.codec/socks/Socks5CommandType.java

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jar/io.netty.handler.codec.socks/SocksCommonUtils.java
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* /opt/ws_local/PERMITS_SQL/1068792427_159461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socks/SocksCmdResponse.java
* /opt/ws_local/PERMITS_SQL/1068792427_159461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socks/package-info.java
* /opt/ws_local/PERMITS_SQL/1068792427_159461242.74/0/netty-codec-socks-4-1-45-final-sources-
jar/io/netty/handler/codec/socks/package-info.java
1.895 sqlite 3.7.17 8.el7
1.895.1 Available under license :
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<title>SQLite Copyright</title>
<style type="text/css">
body {
margin: auto;
font-family: Verdana, sans-serif;
padding: 8px 1%;
}
a { color: #044a64 }
a:visited { color: #734559 }
.logo { position:absolute; margin:3px; }
.tagline {
float:right;
text-align:right;
font-style:italic;
width:300px;
margin:12px;
margin-top:58px;
}
.menubar {
clear: both;
border-radius: 8px;
background: #044a64;
padding: 0px;
margin: 0px;
cell-spacing: 0px;
}
.toolbar {
text-align: center;
line-height: 1.6em;
margin: 0;
padding: 0px 8px;
}
.toolbar a { color: white; text-decoration: none; padding: 6px 12px; }
.toolbar a:visited { color: white; }
.toolbar a:hover { color: #044a64; background: white; }
.content { margin: 5%; }
.content dt { font-weight:bold; }

Open Source Used In Virtualized Voice Browser 12.6(1) 9484


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/* Things for "fancyformat" documents start here. */
.fancy img+p { font-style:italic }
.fancy .codeblock i { color: darkblue; }
.fancy h1,.fancy h2,.fancy h3,.fancy h4 { font-weight:normal;color:#044a64 }
.fancy h2 { margin-left: 10px }
.fancy h3 { margin-left: 20px }
.fancy h4 { margin-left: 30px }
.fancy th { white-space:nowrap;text-align:left;border-bottom:solid 1px #444 }
.fancy th,.fancy td { padding: 0.2em 1ex; vertical-align:top }
.fancy #toc a { color: darkblue ; text-decoration: none }
.fancy .todo { color: #AA3333 ; font-style : italic }
.fancy .todo:before { content: 'TODO:' }
.fancy p.todo { border: solid #AA3333 1px; padding: 1ex }
.fancy img { display:block; }
.fancy .:link:hover, .fancy :visited:hover { background: wheat }
.fancy p,.fancy ul,.fancy ol { margin: 1em 5ex }
.fancy li p { margin: 1em 0 }
/* End of "fancyformat" specific rules. */

</style>

</head>
<body>
<div><!-- container div to satisfy validator --></div>
<a href="index.html">
<img class="logo" src="images/sqlite370_banner.gif" alt="SQLite Logo" border="0"></a>
<div<!-- IE hack to prevent disappearing logo-->></div>
<div class="tagline">Small. Fast. Reliable.<br>Choose any three.</div>
<table width=100% class="menubar"><tr>
<td width=100%>
<div class="toolbar">
<a href="about.html">About</a>
<a href="sitemap.html">Sitemap</a>
<a href="docs.html">Documentation</a>
<a href="download.html">Download</a>
<a href="copyright.html">License</a>
<a href="news.html">News</a>
<a href="support.html">Support</a>
</div>
</td>
</tr></table>
<script>
gMsg = "Search SQLite Docs..."
function entersearch() {

var q = document.getElementById("q");
if( q.value == gMsg ) { q.value = "" }
q.style.color = "black"
q.style.fontStyle = "normal"
}
function leavesearch() {
var q = document.getElementById("q");
if( q.value == "" ) {
q.value = gMsg
q.style.color = ":#044a64"
q.style.fontStyle = "italic"
}
}
</script>
<td>
<div style="padding:0 1em 0px 0;white-space:nowrap">
<form name=f method="GET" action="http://www.sqlite.org/search">
<input id=q name=q type=text
onfocus="entersearch()" onblur="leavesearch()" style="width:24ex;padding:1px 1ex; border:solid white 1px; font-size:0.9em ; font-style:italic;color:#044a64;" value="Search SQLite Docs...">
<input type=submit value="Go" style="border:solid white 1px;background-color:#044a64;color:white;font-size:0.9em;padding:0 1ex">
</form>
</div>
</table>

<div class=startsearch></div>

<h2>SQLite Copyright</h2>
<table align="right" vspace="0" hspace="10" border="1" cellpadding="20">
<tr><td align="center">
<img src="images/nocopy.gif"><br>
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</td></tr></table>

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<table width="100%" cellpadding="0" cellspacing="0">
<tr>
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</table>
1.896 eclipse-ui 3.5.0.I20100601 0800

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* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/bootstrap/ChannelFactory.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/group/ChannelGroup.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/ChannelProgressivePromise.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/group/ChannelGroupException.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/AddressedEnvelope.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/ChannelInboundHandler.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/group/ChannelMatcher.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
ar/io/netty/channel/group/ChannelMatchers.java

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  jar/io/netty/channel/PendingWriteQueue.java
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* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/oio/package-info.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/local/LocalServerChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/socket/oio/package-info.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4-0-27-final-sources-
  jar/io/netty/channel/socket/nio/package-info.java
jar/io/netty/channel/VoidChannelPromise.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/AbstractServerChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/socket/DatagramChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/socket/package-info.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/socket/oio/OioDatagramChannel.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/nio/package-info.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/RecvByteBufAllocator.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/ChannelException.java
* /opt/cola/permits/1111298323_1606896124.61/0/netty-transport-4.0.27-final-sources-
jar/io/netty/channel/ChannelPipelineException.java
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Manifest-Version: 1.0
Export-Package: io.netty.bootstrap;uses:="io.netty.channel,io.netty.util";
  version="4.0.27.Final",io.netty.channel;uses:="io.netty.buffer,io
  .netty.util,io.netty.util.concurrent";version="4.0.27.Final",io.netty
  .channel.embedded;uses:="io.netty.channel";version="4.0.27.Final",io.
  netty.channel.group;uses:="io.netty.channel,io.netty.util.concurrent"
  ;version="4.0.27.Final",io.netty.channel.local;uses:="io.netty.channe
  l,io.netty.util.concurrent";version="4.0.27.Final",io.netty.channel.n
  io;uses:="io.netty.buffer,io.netty.channel,io.netty.util,io.netty.uti
  l.concurrent";version="4.0.27.Final",io.netty.channel.socket.nio;uses:
  ="io.netty.buffer,io.netty.channel,io.netty.channel.socket";version=
  "4.0.27.Final",io.netty.channel.socket.oio;uses:="io.netty.buffer,io
  .netty.channel,io.netty.channel.socket.oio,io.netty.channel.socket";
  version="4.0.27.Final"
Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Netty is an open-source framework for Java applications to easily build and deploy high-performance network application servers and clients. It provides a complete, feature-rich, and flexible foundation for creating network applications for a wide range of protocols. Netty is designed to be easy to use and extends Java NIO, but with an emphasis on ease of use, development speed, and efficiency. It covers the whole protocol stack and can be used as a network server framework, a network client framework or as a API for custom networking libraries.
Sub-types

{@link ChannelHandler} itself does not provide many methods. To handle a
{@link ChannelInboundInvoker} or {@link ChannelOutboundInvoker} operation
you need to implement its sub-interfaces. There are many different sub-interfaces
which handles inbound and outbound operations.

But the most useful for developers may be:
<ul>
<li>{@link ChannelInboundHandlerAdapter} handles and intercepts inbound operations</li>
<li>{@link ChannelOutboundHandlerAdapter} handles and intercepts outbound operations</li>
</ul>

You will also find more detailed explanation from the documentation of
each sub-interface on how an event is interpreted when it goes upstream and
downstream respectively.

The context object

A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
object. A {@link ChannelHandler} is supposed to interact with the
{@link ChannelPipeline} it belongs to via a context object. Using the
context object, the {@link ChannelHandler} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
(using {@link AttributeKey}s) which is specific to the handler.

State management

A {@link ChannelHandler} often needs to store some stateful information.
The simplest and recommended approach is to use member variables:
<pre>
public interface Message {
    // your methods here
}
</pre>

public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
        @link Channel ch = e.getChannel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else (message instanceof GetDataMessage) {
            if (loggedIn) {
                ch.write(fetchSecret((GetDataMessage) message));
            } else { // here is the default implementation
                // do nothing
            }
        }
    }
}
Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends {@link ChannelInitializer}{
    {@code @Override}
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
    }
}
```

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use {@link AttributeKey}s which is provided by

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        Channel ch = ctx.channel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
```
    if (<b>Boolean.TRUE.equals(attr.get())</b>) {
        ch.write(fetchSecret((GetDataMessage) o));
    } else {
        fail();
    }
}
*
* ...
*
*
*
</pre>
* Now that the state of the handler is attached to the {<i>link ChannelHandlerContext</i>}, you can add the*
* same handler instance to different pipelines:
*
<pre>
* public class DataServerInitializer extends {<i>link ChannelInitializer</i>}{<i>@link Channel</i>}; {
*    *
*    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*    *
*    {<i>code @Override</i>}
*    public void initChannel(<i>link Channel</i> channel) {
*        channel.pipeline().addLast("handler", <b>SHARED</b>);
*    }
* </pre>
 *
<h4>The {<i>code @Sharable</i>} annotation</h4>
<blockquote>
* In the example above which used an {<i>link AttributeKey</i>},
* you might have noticed the {<i>code @Sharable</i>} annotation.
*
* If a {<i>link ChannelHandler</i>} is annotated with the {<i>code @Sharable</i>}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {<i>link ChannelPipeline</i>s} multiple times without
* a race condition.
*
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
*
* This annotation is provided for documentation purpose, just like
* </blockquote>
<h3>Additional resources worth reading</h3>
<blockquote>
* Please refer to the {<i>link ChannelHandler</i>}, and
* {<i>link ChannelPipeline</i>} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*
1.900 acl 2.2.51 12.el7

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1.909 axis-ant 1.4

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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/

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#define _STLP_CLIMITS

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x108
#include <stl/_prolog.h>
#endif

#if defined (__SUNPRO_CC) && ((__SUNPRO_CC == 0x500) && (__SUNPRO_CC_COMPAT > 4))
#include </usr/include/limits.h>
#elif defined (_STLP_USE_NEW_C_HEADERS)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <climits>
#else
#include _STLP_NATIVE_CPP_C_HEADER(climits)
#endif
#else
#elif defined (__BORLANDC__) #if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <limits.h>
#else
#include _STLP_NATIVE_C_HEADER(limits.h)
#endif
#else
#include <limits.h>
#endif
#endif /* _STLP_CLIMITS */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/climits
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#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x77
#include <stl/_prolog.h>
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#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x77)
#ifndef _STLP_INTERNAL_ALGOBASE_H
#include <stl/_algobase.h>
#endif

#ifndef _STLP_INTERNAL_VECTOR_H
#include <stl/_vector.h>
#endif
#endif

#else defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <vector>
#else
#include _STLP_NATIVE_HEADER(vector)
#endif
#ifndef _STLP_CWCHAR

#include <stl/_prolog.h>

#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
#  ifndef _STLP_INTERNAL_CWCHAR
#    include <stl/_cwchar.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x120) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#endif
#endif /* _STLP_VECTOR */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_CWCHAR

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x120
# define _STLP_CWCHAR
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
# ifndef _STLP_INTERNAL_CWCHAR
#    include <stl/_cwchar.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x120) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#endif
#endif
# include_next <cwchar>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cwchar)
# endif
#endif

#endif /* _STLP_CWCHAR */

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_debug.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_iterator.h
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#ifndef _STLP_NUMERIC

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x49

#include <stl/_prolog.h>

#define _STLP_NUMERIC
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x49)

#ifndef _STLP_INTERNAL_NUMERIC_H

#include <stl/_numeric.h>

#endif

#endif

#endif (_STLP_OUTERMOST_HEADER_ID != 0x49) || defined (_STLP_IMPORT_VENDOR_STD)

#if defined (_STLP_HAS_INCLUDE_NEXT)

#include_next <numeric>

#else

#include _STLP_NATIVE_HEADER(numeric)

#endif

#else

#include _STLP_NATIVE_HEADER(numeric)

#endif

#endif (_STLP_OUTERMOST_HEADER_ID == 0x49)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

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*/

#ifndef _STLP_STREAMBUF

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x1066

#include <stl/_prolog.h>

#define _STLP_STREAMBUF
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066) &&
  !(defined (_STLP_NO_IOSSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))

#include <stl/_ioserr.h>

#ifndef _STLP_INTERNAL_STREAMBUF

#include <stl/_streambuf.h>

#endif

#endif

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#if (_STLP_OUTERMOST_HEADER_ID != 0x1066) || defined (_STLP_IMPORTED_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <streambuf>
#  else
#    include _STLP_NATIVE_HEADER(streambuf)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_STREAMBUF */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* */

#ifndef _STLP_STRING
#endif
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x68)
#endif
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x68) || defined (_STLP_IMPORT_VENDOR_STD)
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x68)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
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#endif /* _STLP_STRING */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* to make it close to JTC1/SC22/WG21 C++ 0x working draft
* [http://www.open-std.org/Jtc1/sc22/wg21/docs/papers/2008/n2521.pdf]
*/

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ThrowCompare.h

Interface for the ThrowCompare class

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 */

#ifndef _STLP_ITERATOR
#ifndef _STLP_OUTERMOST_HEADER_ID
  # define _STLP_OUTERMOST_HEADER_ID 0x38
  # include <stl/_prolog.h>
  # define _STLP_ITERATOR
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
  # ifndef _STLP_INTERNAL_ITERATOR_H
    # include <stl/_iterator.h>
  # endif
  # ifndef _STLP_INTERNAL_STREAM_ITERATOR_H
    # include <stl/_stream_iterator.h>
  # endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x38) || defined (_STLP_IMPORT_VENDOR_STD)
  # if defined (_STLP_HAS_INCLUDE_NEXT)
    # include_next <iterator>
  # else
    # include _STLP_NATIVE_HEADER(iterator)
  # endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
  # include <stl/_epilog.h>
  # undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_ITERATOR */

// Local Variables:
// mode:C++
// End:

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/* boost limits_test.cpp  test your <limits> file for important
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/*

#ifndef _STLP_CSTDIO
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x15
#include <stl/_prolog.h>
#else (_STLP_OUTERMOST_HEADER_ID == 0x15) && !defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CSTDIO
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x15) && !defined (_STLP_DONT_POP_HEADER_ID)
#ifndef _STLP_INTERNAL_CSTDIO
#include <stl/_cstdio.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x15) || defined (_STLP_DONT_POP_HEADER_ID) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstdio>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstdio)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x15)
#else
#endif

// Local Variables:
// mode:C++
// End:

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#ifndef _STLP_DEQUE
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x22
#include <stl/_prolog.h>
#define _STLP_DEQUE
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x22)
#ifndef _STLP_INTERNAL_DEQUE_H
#include <stl/_deque.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x22) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <deque>
#else
#include _STLP_NATIVE_HEADER(deque)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x22)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_DEQUE */

// Local Variables:
// mode:C++
// End:

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*/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_string_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/config/_windows.h
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*/

#ifndef _STLP_ISTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
    #define _STLP_OUTERMOST_HEADER_ID 0x1036
    #include <stl/_prolog.h>
    # define _STLP_ISTREAM
#endif

#endif

#ifdef _STLP_OUTERMOST_HEADER_ID
    # define _STLP_OUTERMOST_HEADER_ID 0x1036
    # include <stl/_prolog.h>
    # define _STLP_ISTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036) &&
    !defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
    # include <stl/ioserr.h>
# ifndef _STLP_INTERNAL_ISTREAM
# include <stl/_istream.h>
# endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1036) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <istream>
# else
#   include _STLP_NATIVE_HEADER(istream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ISTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/istream
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/test_hash_map.cpp

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*/

#ifndef _STLP_CSETJMP

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#ifndef _STLP_OUTERMOST_HEADER_ID
#  define _STLP_OUTERMOST_HEADER_ID 0x111
#  define _STLP_CSETJMP
#  include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111)
#  ifndef _STLP_INTERNAL_CSETJMP
#    include <stl/_csetjmp.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x111) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <csetjmp>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(csetjmp)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CSETJMP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
  */.opt/cola/permits/111286494_1607870159.27/0/stlport-5.2.1-tar.gz/STLport-5.2.1/stlport/csetjmp
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 */
// Local Variables:
// mode:C++
// End:

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random_number.cpp

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 */

#ifdef _STLP_CSTRING

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x117
#define _STLP_CSTRING
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
#ifndef _STLP_INTERNAL_CSTRING
#include <stl/_cstring.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x117) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstring>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstring)
#endif
#endif

#endif

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#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
  # include <stl/_epilog.h>
  # undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSTRING */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstring
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TestClass.h

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SUMMARY: TestClass simulates a class that uses resources. It is designed to
cause exceptions when it is constructed or copied.

***********************************************************************************/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_range_errors.c
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 *
 */

#ifndef _STLP_SET
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x55
#include <stl/_prolog.h>
#define _STLP_SET
#endif
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x55
#include <stl/_set.h>
#endif

#ifndef _STLP_INTERNAL_SET_H
#define _STLP_INTERNAL_SET_H
#include <stl/set.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x55) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <set>
#  else
#    include _STLP_NATIVE_HEADER(set)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif

#elif /* _STLP_SET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/set
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/file_reporter.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/test_main.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_mini.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_proxy.h
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#ifndef _STLP_QUEUE
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x53
#endif

#include <stl/_prolog.h>

#define _STLP_QUEUE

#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
#ifndef _STLP_INTERNAL_QUEUE_H
#include <stl/_queue.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x53) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <queue>
#else
#include _STLP_NATIVE_HEADER(queue)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_QUEUE */

// Local Variables:
// mode:C++
// End:

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 *
 * Modified CRP 7/10/00 for improved conformance / efficiency on insert_unique /
 * insert_equal with valid hint -- efficiency is improved all around, and it is
 * should now be standard conforming for complexity on insert point immediately
 * after hint (amortized constant time).
 *
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5.2.1-tar-gz/STLport-5.2.1/stlport/pointers/_set.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/pthread.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/mem.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/_typeinfo.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/errno.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stddef.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/limits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/assert.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/new.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/time.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/_csetjmp.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/_cwchar.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/exception.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/_cwctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/typeinfo.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/omaniop.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdio.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/strstream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/_mbstate_t.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdio.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdtl.h
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* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ios.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/wctype.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ios.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/setjmp.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/wchar.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/setjmp.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/csignal.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdarg.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/math.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.270/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/wctype.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_numeric.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_valarray.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_deque.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_vector.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tempbuf.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist_base.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.c
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 */

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 * Authors: Mat Marcus and Jesse Jones
 *
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_string_fwd.h
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 */

#ifndef _STLP_CISO646
#define _STLP_CISO646

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x107
#include <stl/_prolog.h>
#endif

#endif
#if !defined(_STLP_WCE_EVC3) && !defined(_BORLANDC__)
# if defined (_STLP_USE_NEW_C_HEADERS)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <ciso646>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(ciso646)
#  endif
# else
#  include <iso646.h>
# endif /* _STLP_USE_NEW_C_HEADERS */
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x107 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CISO646 */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0
#include <stl/_prolog.h>
#endif

#define _STLP_DONT_POP_HEADER_ID

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0
include <stl/_prolog.h>
#endif

#define _STLP_DONT_POP_HEADER_ID

#ifndef _STLP_DONT_POP_HEADER_ID
#define _STLP_DONT_POP_HEADER_ID
#endif

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// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */
// This header exists solely for portability. Normally it just includes
// the native header <exception>.

 ifndef _STLP_EXCEPTION

 if(!defined(_STLP_OUTERMOST_HEADER_ID))
 # define _STLP_OUTERMOST_HEADER_ID 0x423
 # include <stl/_prolog.h>
 else (_STLP_OUTERMOST_HEADER_ID == 0x423)
 # define _STLP_DONT_POP_HEADER_ID
 # define _STLP_EXCEPTION
 endif

 endif (_STLP_DONT_POP_HEADER_ID)
 ifndef _STLP_INTERNAL_EXCEPTION
 # include <stl/exception.h>
 endif
 endif

 ifndef _STLP_INTERNAL_EXCEPTION
 # define _STLP_INTERNAL_EXCEPTION
 endif

 endif (_STLP_DONT_POP_HEADER_ID)
 ifndef _STLP_EXCEPTION
 endif

 endif /* _STLP_EXCEPTION */
This directory contains the STLport-5.0 release.

What's inside:

README - this file
INSTALL - installation instructions

bin - installation directory for STLport unit tests;
it may contain more subdirs, if you use
crosscompilation
build/lib - build directory for STLport library (if you use
STLport iostreams and/or locale only)
built/test/unit - build directory for regression (unit) tests
build/test/eh - build directory for exception handling tests
stlport - main STLport include directory
src - source for iostreams implementation and other parts
      that aren't pure template code
lib - installation directory for STLport library (if you
      use STLport iostreams and/or locale only);
it may contain more subdirs, if you use
crosscompilation
test/unit - unit (regression) tests
test/eh - exception handling test using STLport iostreams
etc - miscellaneous files (ChangeLog, TODO, scripts, etc.)

GETTING STLPORT

To download the latest version of STLport, please be sure to visit
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 */

#ifndef _STLP_SLIST
#define _STLP_SLIST

#ifndef _STLP_OUTERMOST_HEADER_ID

---

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# define _STLP_OUTERMOST_HEADER_ID 0x58
# include <stl/_prolog.h>
#endif

#ifdef _STLP_PRAGMA_ONCE
# pragma once
#endif

#if defined (_STLP_NO_EXTENSIONS)
/* Comment following if you want to use the slist containter even if you ask for
 * no extension.
 */
# error The slist class is an STLport extension.
#endif

#ifndef _STLP_INTERNAL_SLIST_H
# include <stl/_slist.h>
#endif

#if defined (_STLP_IMPORT_VENDOR_STD)
//This is not a Standard header, it might failed for most of
//the compilers so we comment it for the moment. Should be uncommented
//on a compiler basis.
//## include _STLP_NATIVE_HEADER(slist)
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x58)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_SLIST */

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iostream_string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_unordered_set.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_deque.h
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 */

// This header defines classes basic_stringbuf, basic_istringstream,
// basic_ostringstream, and basic_stringstream. These classes
// represent streambufs and streams whose sources or destinations are
// C++ strings.

#ifndef _STLP_SSTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1059
# include <stl/_prolog.h>
# define _STLP_SSTREAM
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1059) && 
 !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>
#endif
#ifndef _STLP_INTERNAL_SSTREAM
# include <stl/_sstream.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x1059) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <sstream>
#else
# include _STLP_NATIVE_HEADER(sstream)
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x1059)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_SSTREAM */

// Local Variables:
// mode:C++
// End:

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* */

#ifndef _STLP_ALGORITHM
ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1
#include <stl/_prolog.h>
define _STLP_ALGORITHM
endif
#endif
 ifndef _STLP_INTERNAL_CSTDIO
#include <stl/_cstdio.h>
#endif
 ifndef _STLP_INTERNAL_ALGO_H
#include <stl/_algo.h>
#endif
#endif
 ifndef _STLP_OUTERMOST_HEADER_ID || defined (_STLP_IMPORT_VENDOR_STD)
 ifdef _STLP_HAS_INCLUDE_NEXT
#include_next <algorithm>
#else
#include _STLP_NATIVE_HEADER(algorithm)
#endif
#endif
#ifndef _STLP_OUTERMOST_HEADER_ID
#include <stl/_epilog.h>
#endif
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ALGORITHM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/algorithm
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test_hash_resize.h

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Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_resize.h
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random_number.h

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 *
 */

#ifndef _STLP_CSIGNAL
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x112
#define _STLP_CSIGNAL
#include <stl/_prolog.h>
#endif
#endif

#if __cplusplus < 199703L
#define _STLP_CSIGNAL
#endif

#define _STLP_OUTERMOST_HEADER_ID
#define _STLP_CSIGNAL
#include <stl/_prolog.h>
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x112)
#ifndef _STLP_INTERNAL_CSIGNAL
#  include <stl/_csignal.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x112) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <csignal>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(csignal)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x112)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CSIGNAL */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/csignal
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 test_rope.cpp

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******************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_rope.cpp
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/******************************************************************************

test_push_back.h

  Interface for the test_push_back class

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/******************************************************************************

test_hash_set.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_set.cpp
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Quick start.

GNU Make (Linux, OpenBSD, FreeBSD, CygWin, etc.), with gcc:
make -f gcc.mak depend
make -f gcc.mak install

GNU Make (SunOS), with SunPro CC:
make -f CC.mak depend
make -f CC.mak install

Microsoft NMAKE (MS Windows), with VC6:
nmake /fmsvc.mak install

Make system goals.

- all source files declared in one place (for all platforms and compilers); the same is for base library (application) name and version.
- derive object filenames from source filenames in make system
- source files may be situated in few catalogs
- avoid information duplication, if possible
- support cross-compilation

Make targets.

release-static

    build STLport as static library

dbg-static

    build STLport as static library (with debug information)

stldbg-static

    build STLport as static library (STLP_DEBUG mode, with debug information)

release-shared

    build STLport as dynamic (shared) library

dbg-shared

    STLport as dynamic (shared) library (with debug information)

stldbg-shared
build STLport as dynamic (shared) library (STLP_DEBUG mode, with
debug information)

all (default)

cumulative target for release,dbg,stldbg -shared on Unix-like platforms
and plus release,dbg,stldbg -static on Windows.

depend

create dependency files (for performance reasons dependency not created
during compilation process); this target absent for MS NMAKE (due to pure
scripting opportunities)

install-release-shared
install-dbg-shared
install-stldbg-shared
install-release-static
install-dbg-static
install-stldbg-static

build and install appropriate libraries and related files, into
'STLPport/lib' and 'STLPport/bin' ('../../lib, relative position of this file)

install

cumulative target for install-*-shared on Unix-like platforms and
install-*-* on Windows.

clean

remove all intermediate files

Found in path(s):
  */opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/lib/README
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* */

#ifndef _STLP_IOS

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1032
#include <stl/_prolog.h>
define _STLP_IOS
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1032) && !
  (!defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>
#endif

#include <stl/_ios.h>
#endif

#endif /* _STLP_IOS */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ios
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 ***********************************************************************************
SortClass.h

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SUMMARY: A class designed to test operations that compares objects. All
comparisons on SortClass may fail. Also records its own address for
the sake of testing the stability of sorting algorithms.

***************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/SortClass.h
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*
*/

#ifndef _STLP_CTIME
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x118
#include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x118) && ! defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CTIME
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x118
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CTIME
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x118) && !defined (_STLP_DONT_POP_HEADER_ID)
#  ifndef _STLP_INTERNAL_CTIME
#    include <stl/_ctime.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x118) || defined (_STLP_DONT_POP_HEADER_ID) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <ctime>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(ctime)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x118)
#  if !defined (_STLP_DONT_POP_HEADER_ID)
#    include <stl/_epilog.h>
#    undef _STLP_OUTERMOST_HEADER_ID
#  else
#    undef _STLP_DONT_POP_HEADER_ID
#  endif
#endif

#endif /* _STLP_CTIME */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ctime
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#ifndef _STLP_IOSFWD

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1034
#include <stl/_prolog.h>
define _STLP_IOSFWD
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1034) &&
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>

#ifndef _STLP_INTERNAL_IOSFWD
#include <stl/_iosfwd.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1034) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <iosfwd>
#else
#include _STLP_NATIVE_HEADER(iosfwd)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1034)
#include <stl/_epilog.h>
define _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_IOSFWD */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iosfwd
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test_list.cpp

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 * *
 */

#ifndef _STLP_CFLOAT
#define _STLP_CFLOAT

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x106
#include <stl/_prolog.h>
#endif

#if defined(_STLP_USE_NEW_C_HEADERS) && !defined(__BORLANDC__)
#if defined(_STLP_HAS_INCLUDE_NEXT)
#include_next <cfloat>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cfloat)
#endif
#else

// Borland defines some implementation constants in std:: namespace,
// we do not want to import them.
#if defined(_STLP_USE_NEW_C_HEADERS) && !defined(__BORLANDC__)
#if defined(_STLP_HAS_INCLUDE_NEXT)
#include_next <cfloat>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cfloat)
#endif
#endif
#endif

# include <float.h>
#endif

#elif (_STLP_OUTERMOST_HEADER_ID == 0x106)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CFLOAT */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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Prefix.h

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SUMMARY: Configuration #defines for STL EH test suite

******************************************************************************/

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*/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_native_headers.h
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version.

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/etc/ChangeLog-5.1
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* */

/* Default values based on C++ Standard 22.2.1.
* Under Windows the localisation implementation take care of mapping its
* mask values to those internal values. For other platforms without real
* localization support we are free to use the most suitable values.*/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/c_locale.h
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*/

#ifndef _STLP_VALARRAY
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x76
#include <stl/_prolog.h>
#define _STLPVALARRAY
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x76)
#ifndef _STLP_VALARRAY_H
#include <stl/_valarray.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x76) || defined(_STLP_IMPORT_VENDOR_STD)
#if defined(_STLP_HAS_INCLUDE_NEXT)
#include_next <valarray>
#else
#include <stlp/valarray.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x76)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP VALARRAY */

// Local Variables:
// mode:C++
// End:
Tests.h

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SUMMARY: Declarations of all of the tests in the exception test suite.

/**************************************************************************/

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/**************************************************************************/

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/Tests.h
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/**************************************************************************/

#ifndef _STLP_STDEXCEPT
#if !defined (_STLP_OUTERMOST_HEADER_ID)

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 *
 */

#endif

#ifndef _STLP_STDEXCEPT
#if !defined (_STLP_OUTERMOST_HEADER_ID)

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# define __STLP_OUTERMOST_HEADER_ID 0x63
# include <stl/_prolog.h>
#else (__STLP_OUTERMOST_HEADER_ID == 0x63) && !defined (__STLP_DONT_POP_HEADER_ID)
# define __STLP_DONT_POP_HEADER_ID
# define __STLP_STDEXCEPT
#endif

#if (__STLP_OUTERMOST_HEADER_ID == 0x63)
# ifndef __STLP_INTERNAL_STDEXCEPT
# include <stl/_stdexcept.h>
# endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID != 0x63) || defined (__STLP_IMPORT_VENDOR_STD)
# if defined (__STLP_HAS_INCLUDE_NEXT)
# include_next <stdexcept>
# else
# include __STLP_NATIVE_HEADER(stdexcept)
# endif
#endif

#if (__STLP_OUTERMOST_HEADER_ID == 0x63)
# if !defined (__STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef __STLP_OUTERMOST_HEADER_ID
# else
# undef __STLP_DONT_POP_HEADER_ID
# endif
#endif /* __STLP_STDEXCEPT */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */
#ifndef _STLP_STACK

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x60
#include <stl/_prolog.h>
#define _STLP_STACK
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
#ifndef _STLP_INTERNAL_STACK_H
#include <stl/_stack.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x60) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <stack>
#else
#include _STLP_NATIVE_HEADER(stack)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_STACK */

// Local Variables:
// mode:C++
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 */
#ifndef _STLP_BITSET

// This implementation of bitset<> has a second template parameter, 
// _WordT, which defaults to unsigned long. *YOU SHOULD NOT USE 
// THIS FEATURE*. It is experimental, and it may be removed in 
// future releases.

// A bitset of size N, using words of type _WordT, will have 
// N % (sizeof(_WordT) * CHAR_BIT) unused bits. (They are the high-
// order bits in the highest word.) It is a class invariant 
// of class bitset<> that those unused bits are always zero.

// Most of the actual code isn't contained in bitset<> itself, but in the 
// base class _Base_bitset. The base class works with whole words, not with 
// individual bits. This allows us to specialize _Base_bitset for the 
// important special case where the bitset is only a single word.

// The C++ standard does not define the precise semantics of operator[]. 
// In this implementation the const version of operator[] is equivalent 
// to test(), except that it does no range checking. The non-const version 
// returns a reference to a bit, again without doing any range checking.

#endif

#define _STLP_OUTERMOST_HEADER_ID 0x2
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x2)
#ifndef _STLP_INTERNAL_BITSET
#include <stl/_bitset.h>
#endif
#endif
#if (_STLP_OUTERMOST_HEADER_ID != 0x2) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <bitset>
#  else
#    include _STLP_NATIVE_HEADER(bitset)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x2 )
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_BITSET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
  * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/bitset
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 * *
 */

ifndef _STLP_IOMANIP

ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1030
# include <stl/_prolog.h>
# define _STLP_IOMANIP
#endif

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#if (_STLP_OUTERMOST_HEADER_ID == 0x1030) && 
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#  include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_IOMANIP
#  include <stl/_iomanip.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1030) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <iomanip>
#  else
#    include _STLP_NATIVE_HEADER(iomanip)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1030)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_IOMANIP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iomanip
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 * */
#ifndef _STLP_NEW_HEADER

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x447
#define _STLP_NEW_HEADER
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x447)
#endif
#endif

#endif /* _STLP_NEW */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/new
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* */

// This header defines classes basic_filebuf, basic_ifstream,
// basic_ofstream, and basic_fstream. These classes represent
// streambufs and streams whose sources or destinations are files.

#ifndef _STLP_FSTREAM

#include <stl/_prolog.h>
define _STLP_FSTREAM
#if defined (__DMC__) && defined (_DLL)
define _STLP_CLASS_IMPORT_DECLSPEC __declspec(dllimport)
definition _STLP_CLASS_IMPORT_DECLSPEC __declspec(dllexport)
#else
#endif
#endif

if ((_STLP_OUTERMOST_HEADER_ID != 0x1025) || defined (_STLP_IMPORT_VENDOR_STD))
#include_next <fstream>
#else
#include _STLP_NATIVE_HEADER(fstream)
#endif
#endif

#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#if defined (__DMC__) && defined (_DLL)
#undef _STLP_CLASS_IMPORT_DECLSPEC
#define _STLP_CLASS_IMPORT_DECLSPEC
#endif
// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_PTHREAD_ALLOC
#define _STLP_PTHREAD_ALLOC

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x52
#include <stl/_prolog.h>
#endif

#ifndef _STLP_PRAGMA_ONCE
#define _STLP_PRAGMA_ONCE
#pragma once
#endif

# include <stl/_pthread_alloc.h>

# if (_STLP_OUTERMOST_HEADER_ID == 0x52)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# endif

#endif /* _STLP_PTHREAD_ALLOC */

// Local Variables:
// mode:C++
// End:

Found in path(s):
  * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/pthread_alloc
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_system.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/stl_mycomp.h

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/**
TestController.h

SUMMARY: An "faux-singleton" object to encapsulate a hodgepodge of state and functionality relating to the test suite. Probably should be broken into smaller pieces.

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/CC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/clean.mak
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*
*/
// version.

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/_stream_iterator.h

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*/

#ifndef _STLP_CERRNO
#define _STLP_CERRNO
#endif _STLP_CERRNO

#ifndef _STLP_OUTERMOST_HEADER_ID
#endif _STLP_OUTERMOST_HEADER_ID
// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cerrno
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NC_ALLOC.CPP

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***/

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=================================================================
STLport README for Microsoft Visual C++ compilers.
=================================================================

by: Francois Dumont, dums@stlport.com, last edited 08/02/2005

============= Introduction
=============

This document describes how STLport can be compiled and used with Microsoft
Visual C++ 6 SP5. It can also be used for the MSVC++ family.

For any further comments or question visit STLport mailing lists
http://stlport.sourceforge.net/Maillists.shtml or forums
https://sourceforge.net/forum/?group_id=146814

============= Prerequisites
=============

To build and use STLport you will need following tools and libraries:
- Microsoft Visual C++ 6.0 with at least Service Pack 5 or any higher
version.

============= Configuring STLport
=============

In a console window go to the STLport build/lib folder. Run

configure --help

This command will present you the different available build options. Just follow
the instructions to set STLport configuration according your needs. The only
mandatory configuration is to declare what is the compiler you are going to
use, for MSVC 6 it is:

configure -c msvc6

================
Building STLport
================
This is a step by step description of the actions to take in order to have the STLport library built:

1. Open a console window. You can get it executing cmd or command depending on your Windows OS.

2. Go to MSVC++ Bin directory with a default MSVC6 install it is
cd "C:\Program Files\Microsoft Visual Studio\VC98\Bin"

3. Run the vcvars32.bat script. This sets the environment variables required to have the MSVC++ compiler run during the build process. The most important one is the PATH variable so that you can call the cl.exe command which is the MSVC++ command line compiler. [You may omit this step, if you chose 'Install paths to access command-line tools' during Microsoft Visual Studio installation procedure.]

4. Go to the STLport build/lib folder:
cd C:\STLport\build\lib

5. Run the following command:
nmake /fmsvc.mak install

nmake is the make utility from Microsoft. /f is an nmake option telling it which make file script to use. You have of course to grant the closer make file to your effective compiler, msvc.mak in our case.

Once the command returns, you will have all the necessary libraries within the STLport lib folder. For a description of the generated libraries check the README file within the src folder.

================
Testing STLport
================
You can use the unit tests to verify STLport behaves correctly. Change into STLports 'build/test/unit' folder and type:

nmake /fmsvc.mak install

Once the unit test is built you just need to run it. They can be found within the STLport bin folder.
Using STLport
=============

Adjust your include and link paths in MSVC IDE (in 'Tools -> Options -> Directories' for MSVC6 IDE). In the include files add the path to STLport's 'stlport' folder. Make sure it is the first directory listed there. Add STLport's 'lib' folder for the library files (order of paths doesn't matter here).

There are some preprocessor defines that control usage of the STLport in msvc projects:

If you don't want to use the iostreams part of the library, you can specify the define _STLP_NO_IOSTREAMS. In this mode there is no need to link against the library.

STLport uses automatic linking to find the proper .lib file. If you want to see what import library STLport is going to use, define _STLP_VERBOSE_AUTO_LINK. When not using automatic linking (by specifying _STLP_DONT_USE_AUTO_LINK), you have to specify the proper .lib file in the Project Settings, on the "link" tab.

The .lib names have the following syntax:

```
stlport[d][stld][_x,_static,_statix]<STLport-Version>.lib
```

d: debug build
std: debug build with _STLP_DEBUG (STL safe) mode
_x: Build of STLport as a dll but statically link to the native runtime.
_static: build of a static library
_statix: build of a static library link dynamically to the native runtime.

Examples:

```
stlport_static.5.0.lib - static release version, Version 5.0.0
stlportd.5.0.lib - dll debug version, Version 5.0.0
```

When using STLport together with MFC, be sure to include the MFC headers first, then include STLport headers, e.g. in your Stdafx.h. This way STLport correctly recognizes MFC usage. You also can define the macro _STLP_USE_MFC, either in your project settings or in stlport/stl/config/user_config.h.

In order to enhance debugging with STLport you can optionally add the content of the etc/autoexp.dat file in the autoexp.dat file coming with your Visual Studio install.

Now you should be ready to use STLport.

=============

Known issues
=============
1. InterlockedIncrement

If you experiment trouble with the InterlockedIncrement Win32 API function like the following message:

C:\Program Files\Microsoft SDK\Include\\winbase.h(1392) : error C2733: second C linkage of overloaded function 'InterlockedIncrement' not allowed
C:\Program Files\Microsoft SDK\Include\\winbase.h(1390) : see declaration of 'InterlockedIncrement'

It means that you are using the new Microsoft platform SDK. There is no way to known it from STLport code so you have to signal it in the stlport/stl/config/user_config.h file (uncomment _STLP_NEW_PLATFORM_SDK in this file).

2. Native C/C++ library headers location

If you experiment trouble with location of ctime and other Standard headers while building or using STLport you might be using the compiler coming with a platform SDK. If so please uncomment _STLP_USING_PLATFORM_SDK_COMPILER in stlport/stl/config/user_config.h. If it still do not find native headers you will perhaps need to change native headers relative path used by STLport. In this case use _STLP_NATIVE_INCLUDE_PATH and associated macro in stlport/stl/config/host.h.

4. C symbols in std namespace

The compiler of MSVC++ 6 has a bug when dealing with symbols existant in both the global namespace and symbols imported by a using-directive or a using-declaration - it will report an ambiguous call to an overloaded function (error C2668). Example:

```cpp
void function();
namespace ns {
    void function();
    // or:
    // using ::function;
}

using ns::function;
// or:
// using namespace ns;

void call() {
    function();
}
```

Since we anticipate that using-declarations or even using-directives are common use, STLport by default doesn't import or wrap functions that exist in both the global namespace and namespace std, in particular those are functions with C
origin like fopen() or abs(). Also, it defines additional overloads for functions like abs() (overloaded for int, long, float, double, long double) in the global namespace.

In order to make STLport include them in the std namespace, you can define the _STLP_DO_IMPORT_CSTD_FUNCTIONS macro. Doing so, you will have to explicitly scope all your functions calls like std::abs() though - otherwise you only get the global abs(int) from the C library.

Found in path(s):
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 */

#ifndef _STLP_LIMITS

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x39

#include <stl/_prolog.h>

#define _STLP_LIMITS

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x39)

#ifndef _STLP_INTERNAL_LIMITS

#include <stl/_limits.h>

#endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x39) || defined (_STLP_IMPORT_VENDOR_STD)

#if defined (_STLP_HAS_INCLUDE_NEXT)

#include_next <limits>

#endif

#endif

#endif

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// Local Variables:
// mode:C++
// End:

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test_vector.cpp

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/***********************************************************************************/

*test_assign_op.h

SUMMARY: Test functor template for assignment operators.

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*/

// WARNING: The classes defined in this header are DEPRECATED. This
// header is defined in section D.7.1 of the C++ standard, and it
// MAY BE REMOVED in a future standard revision. You should use the
// header <sstream> instead.

#ifndef _STLP_STRSTREAM
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1070
#include <stl/_prolog.h>
define _STLP_STRSTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1070) &&
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/_ioserr.h>
#endif

#ifndef _STLP_INTERNAL_STRSTREAM
#include <stl/_strstream.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1070) || defined (_STLP_IMPORT_VENDOR_STD)
/* Even if deprecated strstream header is still part of the Standard. Remove
* _STLP_IMPORT_VENDOR_STD check if the native compiler library do not grant
* it anymore. */
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <strstream>
#else
#include _STLP_NATIVE_HEADER(strstream)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1070)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_STRSTREAM */

// Local Variables:
// mode:C++
// End:
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* */

#ifndef _STLP_CLOCALE

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x109
#define _STLP_CLOCALE
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
#ifndef _STLP_INTERNAL_CLOCALE
#include <stl/_clocale.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x109) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <clocale>
#else
#include _STLP_NATIVE_CPP_C_HEADER(clocale)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CLOCALE */
// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/locale
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 */

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Found in path(s):
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* */

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5.2.1.tar-gz/STLport-5.2.1/stl/type_manips.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5.2.1.tar-gz/STLport-5.2.1/stl/_move_construct_fwk.h
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// Local Variables:
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// End:

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 test_deque.cpp

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* */

#ifndef _STLP_COMPLEX

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x10
#define _STLP_COMPLEX
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10)
// This header declares the template class complex, as described in
// in the C++ Standard. Single-precision complex numbers
// are complex<float>, double-precision are complex<double>, and
// quad precision are complex<long double>.

// Note that the template class complex is declared within namespace
// std, as called for by the draft C++ standard
#if !_STLP_INTERNAL_COMPLEX
#include <stl/_complex.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x10) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <complex>
#else
#include _STLP_NATIVE_HEADER(complex)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_COMPLEX */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_CSTDARG

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x113
#define _STLP_CSTDARG
#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113)
#ifndef _STLP_INTERNAL_CSTDARG
#include <stl/_cstdarg.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x113) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstdarg>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstdarg)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113 )
#include <stl/_epilog.h>
#endif

#endif /* _STLP_CSTDARG */

// Local Variables:
// mode:C++
// End:
Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdarg
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 *
 */
#endif

#ifndef _STLP_OSTREAM
#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x1050
#include <stl/_prolog.h>
define _STLP_OSTREAM
#endif
#endif
#define _STLP_OUTERMOST_HEADER_ID 0x1050 && \
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
#include <stl/iostream.h>
define _STLP_INTERNAL_OSTREAM
#include <stl/ostream.h>
#endif
#endif

#ifndef _STLP_OUTERMOST_HEADER_ID 0x1050 || defined (_STLP_IMPORT_VENDOR_STD)
#include_next <ostream>
#else
#include _STLP_NATIVE_HEADER(ostream)
#endif
#endif
#ifndef _STLP_OUTERMOST_HEADER_ID 0x1050
#include <stl/epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_OSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/rope.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/stl/debug/slist.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/slist.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/slist_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/allocators.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/alloc.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stl/alloc.c
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#ifndef _STLP_CMATH

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x110
#include <stl/_prolog.h>
#else (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)
#define _STLP_DONT_POP_HEADER_ID
#define _STLP_CMATH
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)
#else (_STLP_OUTERMOST_HEADER_ID != 0x110) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cmath>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cmath)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x110)
#else !defined (_STLP_DONT_POP_HEADER_ID)
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID
#else
#undef _STLP_DONT_POP_HEADER_ID
#endif
#endif /* _STLP_CMATH */
// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_CSTDDEF

#ifndef _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID 0x114
#define _STLP_CSTDDEF

#include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x114)
#ifndef _STLP_INTERNAL_CSTDDEF
#include <stl/_cstddef.h>
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x114) || defined (_STLP_IMPORT_VENDOR_STD)
#if defined (_STLP_HAS_INCLUDE_NEXT)
#include_next <cstddef>
#else
#include _STLP_NATIVE_CPP_C_HEADER(cstddef)
#endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x114 )
#include <stl/_epilog.h>
#undef _STLP_OUTERMOST_HEADER_ID

#endif

#endif

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#endif

#endif /* _STLP_CSTDDEF */

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/unordered_set
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    test_map.cpp

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 */

#ifndef __STLP_CCTYPE
#ifndef _STLP_OUTERMOST_HEADER_ID
#  define _STLP_OUTERMOST_HEADER_ID 0x104
#  define _STLP_CCTYPE
#  include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
#  ifndef _STLP_INTERNAL_CCTYPE
#    include <stl/_cctype.h>
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x104) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <cctype>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(cctype)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif
#endif /* _STLP_CCTYPE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_auto_ptr.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/memory
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_io.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_hash.h
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  */
#endif _STLP_LIST

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x40
#define _STLP_LIST
#endif _STLP_OUTERMOST_HEADER_ID

#define _STLP_OUTERMOST_HEADER_ID
#include <stl/_prolog.h>
define _STLP_OUTERMOST_HEADER_ID 0x40
#include <stl/_prolog.h>
define _STLP_LIST
#endif
// Local Variables:
// mode:C++
// End:

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 */

#ifndef _STLP_TYPEINFO

#ifndef _STLP_OUTERMOST_HEADER_ID

#include <stl/_list.h>
#endif

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID == 0x40)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_LIST */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 *
 */

#ifndef _STLP_TYPEINFO

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID == 0x40)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_LIST */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_TYPEINFO

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID == 0x40)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_LIST */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_TYPEINFO

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID == 0x40)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_LIST */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_TYPEINFO

#endif

#ifndef _STLP_OUTERMOST_HEADER_ID == 0x40)

#include <stl/_epilog.h>

#undef _STLP_OUTERMOST_HEADER_ID

#endif /* _STLP_LIST */
# define _STLP_OUTERMOST_HEADER_ID 0x473
# include <stl/prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_TYPEINFO
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
# if !defined (_STLP_INTERNAL_TYPEINFO)
# include <stl/typeinfo.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x473) || defined (_STLP_DONT_POP_HEADER_ID) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <typeinfo>
# else
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(typeinfo)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif

// Local Variables:
// mode:C++
// End:

Found in path(s):
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 */

#ifndef _STLP_CSTDLIB

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x116
# define _STLP_CSTDLIB
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# ifndef _STLP_INTERNAL_CSTDLIB
# include <stl/_cstdlib.h>
# endif
#endif

# if defined (__GNUC__) && defined (__MINGW32__)
/* Native cstdlib includes stdlib.h using an include_next so STLport stdlib.h
 * is not used and the workaround in this file must be duplicated here
 * (see stdlib.h). */
# include "errno.h"
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# ifndef _STLP_INTERNAL_CSTDLIB
# include <stl/_cstdlib.h>
#endif
#endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x116) || defined (_STLP_IMPORT_VENDOR_STD)
#  if defined (_STLP_HAS_INCLUDE_NEXT)
#    include_next <cstdlib>
#  else
#    include _STLP_NATIVE_CPP_C_HEADER(cstdlib)
#  endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
#  include <stl/_epilog.h>
#  undef _STLP_OUTERMOST_HEADER_ID
#endif /* _STLP_CSTDLIB */

// Local Variables:
// mode:C++
// End:

Found in path(s):
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* */

#ifndef _STLP_MAP

#ifndef _STLP_OUTERMOST_HEADER_ID
#define _STLP_OUTERMOST_HEADER_ID 0x43
#include <stl/_prolog.h>
#define _STLP_MAP
#endif
#if (_STLP_OUTERMOST_HEADER_ID == 0x43)

#endif
#endif

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Source: http://jakarta.apache.org/regexp

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Open Source Used In Virtualized Voice Browser 12.6(1) 9884
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Open Source Used In Virtualized Voice Browser 12.6(1)
Open Source Used In Virtualized Voice Browser 12.6(1) 9888
Open Source Used In Virtualized Voice Browser 12.6(1) 9893

No license file was found, but licenses were detected in source scan.
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Open Source Used In Virtualized Voice Browser 12.6(1) 9921
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Open Source Used In Virtualized Voice Browser 12.6(1) 10061
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Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Helvetica-Oblique.afm
No license file was found, but licenses were detected in source scan.

SVG 1.1 Basic DTD
This is SVG Basic, a proper subset of SVG.

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

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Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
basic-flat.dtd
No license file was found, but licenses were detected in source scan.

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# Copyright (C) The Apache Software Foundation. All rights reserved.       #
#                                                                           #
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# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file.                                                        #
#############################################################################

# This file registers the example Bridge extension as a service for the
# Bridge context.
org.apache.batik.extension.svg.BatikBridgeExtension

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.bridge.BridgeExtension
No license file was found, but licenses were detected in source scan.

#############################################################################
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#                                                                           #
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This file registers the example DOM extension as a service for the SVGOMDocument.

org.apache.batik.extension.svg.BatikDomExtension

StartFontMetrics 4.1
Comment Creation Date: Thu May 1 12:43:52 1997
Comment UniqueID 43052
Comment VMusage 37169 48194
FontName Helvetica-Bold
FullName Helvetica Bold
FamilyName Helvetica
Weight Bold
ItalicAngle 0
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -170 -228 1003 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000

Helvetica is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 90 0 244 718 ;
C 34 ; WX 474 ; N quotedbl ; B 98 447 376 718 ;
C 35 ; WX 556 ; N numbersign ; B 18 0 538 698 ;
C 36 ; WX 556 ; N dollar ; B 30 -115 523 775 ;
C 37 ; WX 889 ; N percent ; B 28 -19 861 710 ;
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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Helvetica-Bold.afm

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StartFontMetrics 4.1
Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu May 1 15:12:25 1997
Comment UniqueID 43064
Comment VMusage 30820 39997
FontName Symbol
FullName Symbol
FamilyName Symbol
Weight Medium
ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -180 -293 1090 1010
UnderlinePosition -100
UnderlineThickness 50
Version 001.008
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
EncodingScheme FontSpecific
StdHW 92
StdVW 85
StartCharMetrics 190
C 32 ; WX 250 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 128 -17 240 672 ;
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C 40 ; WX 333 ; N parenleft ; B 53 -191 300 673 ;
C 41 ; WX 333 ; N parenright ; B 30 -191 277 673 ;
C 42 ; WX 500 ; N asteriskmath ; B 65 134 427 551 ;
dimensional graphics in XML.

The Scalable Vector Graphics (SVG)
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Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

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Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-flat.dtd
No license file was found, but licenses were detected in source scan.

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IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -113 -250 749 801
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
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XHeight 439
Ascender 629
Descender -157
StdHW 84
StdVW 106
StartCharMetrics 315
C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
C 33 ; WX 600 ; N exclam ; B 202 -15 398 572 ;
Open Source Used In Virtualized Voice Browser 12.6(1) 10136
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SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

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For SVG 1.0:

Namespace:
http://www.w3.org/2000/svg

Public identifier:
PUBLIC "

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No license file was found, but licenses were detected in source scan.

cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution".

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C 38 ; WX 778 ; N ampersand ; B 5 -19 699 682 ;
C 39 ; WX 333 ; N quoteright ; B 98 369 302 685 ;
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Open Source Used In Virtualized Voice Browser 12.6(1) 10142
Open Source Used In Virtualized Voice Browser 12.6(1) 10149
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Open Source Used In Virtualized Voice Browser 12.6(1) 10182
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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/css/engine/value/resources/Messages.properties
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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/util/resources/XMLResourceDescriptor.properties
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Comment UniqueID 43050
Comment VMusage 39754 50779
FontName Courier
FullName Courier
FamilyName Courier
Weight Medium
ItalicAngle 0
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -23 -250 715 805
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
CapHeight 562
XHeight 426
Ascender 629
Descender -157
StdHW 51
StdVW 51
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C 32 ; WX 600 ; N space ; B 0 0 0 0 ;
C 33 ; WX 600 ; N exclam ; B 236 -15 364 572 ;
C 34 ; WX 600 ; N quotedbl ; B 187 328 413 562 ;
C 35 ; WX 600 ; N numbersign ; B 93 -32 507 639 ;
C 36 ; WX 600 ; N dollar ; B 105 -126 496 662 ;
C 37 ; WX 600 ; N percent ; B 81 -15 518 622 ;
C 38 ; WX 600 ; N ampersand ; B 63 -15 538 543 ;
C 39 ; WX 600 ; N quoteright ; B 213 328 376 562 ;
C 40 ; WX 600 ; N parenleft ; B 269 -108 440 622 ;
C 41 ; WX 600 ; N parenright ; B 160 -108 331 622 ;
C 42 ; WX 600 ; N asterisk ; B 116 257 484 607 ;
C 43 ; WX 600 ; N plus ; B 80 44 520 470 ;
C 44 ; WX 600 ; N comma ; B 181 -112 344 122 ;
C 45 ; WX 600 ; N hyphen ; B 103 231 497 285 ;
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Open Source Used In Virtualized Voice Browser 12.6(1) 10193
Open Source Used In Virtualized Voice Browser 12.6(1) 10196
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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Courier.afm

No license file was found, but licenses were detected in source scan.

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UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
CapHeight 676
XHeight 461
Ascender 683
Descender -217
StdHW 44
StdVW 139
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Open Source Used In Virtualized Voice Browser 12.6(1) 10240
Open Source Used In Virtualized Voice Browser 12.6(1) 10241
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EndKernData
EndFontMetrics

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FontBBox -57 -250 869 801
UnderlinePosition -100
UnderlineThickness 50
Version 003.000
EncodingScheme AdobeStandardEncoding
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XHeight 439
Ascender 629
Descender -157
StdHW 84
StdVW 106
StartCharMetrics 315
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C 33 ; WX 600 ; N exclam ; B 215 -15 495 572 ;
Open Source Used In Virtualized Voice Browser 12.6(1)  10254
SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

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* /opt/cola/permits/1004666013_1602591719.77/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
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No license file was found, but licenses were detected in source scan.

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Version 002.000
a trademark of Linotype-Hell AG and/or its subsidiaries.
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C 37 ; WX 889 ; N percent ; B 39 -19 850 703 ;
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Open Source Used In Virtualized Voice Browser 12.6(1) 10263
Open Source Used In Virtualized Voice Browser 12.6(1) 10267
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| C 88 ; WX 611 ; N X ; B -29 0 655 653 ; |
| C 89 ; WX 556 ; N Y ; B 78 0 633 653 ; |
| C 90 ; WX 556 ; N Z ; B -6 0 606 653 ; |
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1.935 commons-collections 3.2.1
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1.936 zlib 1.1.3

1.936.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu
1.937 libjpeg 6a

1.937.1 Available under license:

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/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 *
 * Logically, this code belongs in jcmaster.c. It's split out because
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c
 * without linking in the whole library.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcinit.c

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/*
 * transupp.c
 *
 * Copyright (C) 1997-2017, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains image transformation routines and other utility code
 * used by the jpegtran sample application. These are NOT part of the core
 * JPEG library. But we keep these routines separate from jpegtran.c to
 * ease the task of maintaining jpegtran-like programs that have other user
 * interfaces.
 */

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/transupp.c

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 * jmorecfg.h
 */
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*
* This file contains additional configuration options that customize the
* JPEG software for special applications or support machine-dependent
* optimizations. Most users will not need to touch this file.
*/

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmorecfg.h

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 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 *
 * We also provide FDCT routines with various input sample block sizes for
 * direct resolution reduction or enlargement and for direct resolving the
 * common 2x1 and 1x2 subsampling cases without additional resampling: NxN
 * (N=1...16), 2NxN, and Nx2N (N=1...8) pixels for one 8x8 output DCT block.
 *
 * For N<8 we fill the remaining block coefficients with zero.
 * For N>8 we apply a partial N-point FDCT on the input samples, computing
 * just the lower 8 frequency coefficients and discarding the rest.
* We must scale the output coefficients of the N-point FDCT appropriately
* to the standard 8-point FDCT level by 8/N per 1-D pass. This scaling
* is folded into the constant multipliers (pass 2) and/or final/initial
* shifting.
*
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
* since there would be too many additional constants to pre-calculate.
*/

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jfdctint.c
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/*
* jfdctint.c
*
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* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
*
* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jfdctint.c
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/*
* jddctmgr.c
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*
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
*
* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

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/*
* jidctfst.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
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*
* This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
on each row (or vice versa, but it's more convenient to emit a row at
a time). Direct algorithms are also available, but they are much more
complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for
scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
Japanese, but the algorithm is described in the Pennebaker & Mitchell
JPEG textbook (see REFERENCES section in file README). The following code
is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is
possible to arrange the computation so that many of the multiplies are
simple scalings of the final outputs. These multiplies can then be
folded into the multiplications or divisions by the JPEG quantization
table entries. The AA&N method leaves only 5 multiplies and 29 adds
to be done in the DCT itself.

The primary disadvantage of this method is that with fixed-point math,
accuracy is lost due to imprecise representation of the scaled
quantization values. The smaller the quantization table entry, the less
precise the scaled value, so this implementation does worse with high-
quality-setting files than with low-quality ones.

The primary disadvantage of this method is that with fixed-point math,
accuracy is lost due to imprecise representation of the scaled
quantization values. The smaller the quantization table entry, the less
precise the scaled value, so this implementation does worse with high-
quality-setting files than with low-quality ones.

*/

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jidctfst.c
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* jcmarker.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
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*
* This file contains routines to write JPEG datastream markers.
*/

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* 
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* 
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
* /

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/*
* jcmaster.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
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* 
* This file contains master control logic for the JPEG compressor.
* These routines are concerned with parameter validation, initial setup,
* and inter-pass control (determining the number of passes and the work
* to be done in each pass).
* /

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/*
* jdmainct.c
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* 
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
* 
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.

*/

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/
* jdmerge.c
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* 
* This file contains code for merged upsampling/color conversion.
* 
* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.
* 
* When the chroma components are to be upsampled by simple replication
* (i.e., box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
* \[ R = Y + K1 * Cr \]
* \[ G = Y + K2 * Cb + K3 * Cr \]
* \[ B = Y + K4 * Cb \]
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
* 
* This file currently provides implementations for the following cases:
* YCC => RGB color conversion only (YCbCr or BG_YCC).
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)

*/

Found in path(s):
* /opt/cola/permissions/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdmerge.c

No license file was found, but licenses were detected in source scan.

The Independent JPEG Group's JPEG software

======================================================================
This distribution contains the ninth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge’ Weijers, and other members of the Independent JPEG Group.

IJJ is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP
=====================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
ACKNOWLEDGMENTS Special thanks.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and grayscale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren’t implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpcom" and "wtpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.
LEGAL ISSUES
===============

In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2018, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.
The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

REFERENCES
==========

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at http://www.ijg.org/files/Wallace.JPEG.pdf. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.


IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2. JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011) : Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from http://www.itu.int/rec/T-REC-T.871. A PDF file of the older JFIF document is available at http://www.w3.org/Graphics/JPEG/jfif3.pdf.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.iijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.
ARCHIVE LOCATIONS

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v9c.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsrc9c.zip.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body send usenet/news.answers/jpeg-faq/part1 send usenet/news.answers/jpeg-faq/part2

ACKNOWLEDGMENTS

Thank to Juergen Bruder for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (previously known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.

Thank to Hendrik Elstner, Roland Fassauer, Simone Zuck, Guenther Maier-Gerber, Walter Stoeber, Fred Schmitz, and Norbert Braunagel for corresponding business development.

Thank to Nico Zschach and Dirk Stelling of the technical support team at the Digital Images company in Halle for providing me with extra equipment for configuration tests.
Thank to Richard F. Lyon (then of Foveon Inc.) for fruitful communication about JPEG configuration in Sigma Photo Pro software.

Thank to Andrew Finkenstadt for hosting the ijk.org site.

Thank to Thomas G. Lane for the original design and development of this singular software package.

Thank to Lars Goehler, Andreas Heinecke, Sebastian Fuss, Yvonne Roebert, Andrej Werner, and Ulf-Dietrich Braumann for support and public relations.

FILE FORMAT WARS
================

The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies. IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.

We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

Furthermore, the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.

One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code.

The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above.
and violates basic C programming properties.
We have no sympathy for the release of misleading, incorrect and illegal
distributions derived from obsolete code bases.
Don't use an obsolete code base!

According to the UCC (Uniform Commercial Code) law, IJG has the lawful and
legal right to foreclose on certain standardization bodies and other
institutions or corporations that knowingly perform substantial and
systematic deceptive acts and practices, fraud, theft, and damaging of the
value of the people of this planet without their knowing, willing and
intentional consent.
The titles, ownership, and rights of these institutions and all their assets
are now duly secured and held in trust for the free people of this planet.
People of the planet, on every country, may have a financial interest in
the assets of these former principals, agents, and beneficiaries of the
foreclosed institutions and corporations.
IJG asserts what is: that each man, woman, and child has unalienable value
and rights granted and deposited in them by the Creator and not any one of
the people is subordinate to any artificial principality, corporate fiction
or the special interest of another without their appropriate knowing,
willing and intentional consent made by contract or accommodation agreement.
IJG expresses that which already was.
The people have already determined and demanded that public administration
entities, national governments, and their supporting judicial systems must
be fully transparent, accountable, and liable.
IJG has secured the value for all concerned free people of the planet.

A partial list of foreclosed institutions and corporations ("Hall of Shame")
is currently prepared and will be published later.

TO DO
======

Version 9 is the second release of a new generation JPEG standard
to overcome the limitations of the original JPEG specification,
and is the first true source reference JPEG codec.
More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/README
No license file was found, but licenses were detected in source scan.

/*
* jcpparam.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcparam.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see the accompanying README file.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemdosa.asm
No license file was found, but licenses were detected in source scan.

/*
 * jpeglib.h
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the decompression postprocessing controller.
 * This controller manages the upsampling, color conversion, and color
 * quantization/reduction steps; specifically, it controls the buffering
 * between upsample/color conversion and color quantization/reduction.
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):
*/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
* jpegint.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides common declarations for the various JPEG modules.
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
*/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jpegint.h
No license file was found, but licenses were detected in source scan.

/*
* jcdctmgr.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the forward-DCT management logic.
* This code selects a particular DCT implementation to be used,
* and it performs related housekeeping chores including coefficient
* quantization.
*/

Found in path(s):
*/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcdctmgr.c
No license file was found, but licenses were detected in source scan.

/*
* ckconfig.c
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/ckconfig.c
No license file was found, but licenses were detected in source scan.

*/
* jdct.h
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (j dctmgr.c, j dctmgr.c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdct.h
No license file was found, but licenses were detected in source scan.

*/
* jcsample.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains downsampling routines.
*
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
*
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
*
* An excellent reference for image resampling is
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
*
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
* /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcsample.c
No license file was found, but licenses were detected in source scan.

/*
* rdrle.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Utah RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed RLE format).
Based on code contributed by Mike Lijewski,
with updates from Robert Hutchinson.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdrle.c
No license file was found, but licenses were detected in source scan.

*/
 * jdatadst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdatadst.c
No license file was found, but licenses were detected in source scan.

*/
 * jversion.h
 *
 * Copyright (C) 1991-2018, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains software version identification.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jversion.h
No license file was found, but licenses were detected in source scan.

*/
 * cjpeg.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
*
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* cjpeg [options] inputfile outputfile
* cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/cjpeg.c
No license file was found, but licenses were detected in source scan.

/*
* jmemdos.c
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides an MS-DOS-compatible implementation of the system-
* dependent portion of the JPEG memory manager. Temporary data can be
* stored in extended or expanded memory as well as in regular DOS files.
*
* If you use this file, you must be sure that NEED_FAR_POINTERS is defined
* if you compile in a small-data memory model; it should NOT be defined if
* you use a large-data memory model. This file is not recommended if you
* are using a flat-memory-space 386 environment such as DJGCC or Watcom C.
* Also, this code will NOT work if struct fields are aligned on greater than
* 2-byte boundaries.
*
* Based on code contributed by Ge' Weijers.
*/

Found in path(s):
/*
 * jctrans.c
 *
 * Copyright (C) 1995-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding compression,
 * that is, writing raw DCT coefficient arrays to an output JPEG file.
 * The routines in jcapimin.c will also be needed by a transcoder.
 */

No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: FILE LIST

Copyright (C) 1994-2017, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

Here is a road map to the files in the IJG JPEG distribution. The
distribution includes the JPEG library proper, plus two application
programs ("cjpeg" and "djpeg") which use the library to convert JPEG
files to and from some other popular image formats. A third application
"jpegtran" uses the library to do lossless conversion between different
variants of JPEG. There are also two stand-alone applications,
"rdjpgcom" and "wrjpgcom".

THE JPEG LIBRARY
===============

Include files:

jpeglib.h JPEG library's exported data and function declarations.
jconfig.h Configuration declarations. Note: this file is not present
in the distribution; it is generated during installation.
jmorecfg.h Additional configuration declarations; need not be changed
for a standard installation.
jerror.h Declares JPEG library's error and trace message codes.
jinclude.h Central include file used by all IJG .c files to reference
system include files.
jpegin.h: JPEG library's internal data structures.
jdct.h: Private declarations for forward & reverse DCT subsystems.
jmemsys.h: Private declarations for memory management subsystem.
jversion.h: Version information.

Applications using the library should include jpeglib.h (which in turn includes jconfig.h and jmorecfg.h). Optionally, jerror.h may be included if the application needs to reference individual JPEG error codes. The other include files are intended for internal use and would not normally be included by an application program. (cjjpeg/djpeg/etc do use jinclude.h, since its function is to improve portability of the whole IJG distribution. Most other applications will directly include the system include files they want, and hence won't need jinclude.h.)

C source code files:

These files contain most of the functions intended to be called directly by an application program:

jcapimin.c: Application program interface: core routines for compression.
jcapistd.c: Application program interface: standard compression.
jdapimin.c: Application program interface: core routines for decompression.
jdapistd.c: Application program interface: standard decompression.
jcomapi.c: Application program interface routines common to compression and decompression.
jparem.c: Compression parameter setting helper routines.
jtrans.c: API and library routines for transcoding compression.
jdtrans.c: API and library routines for transcoding decompression.

Compression side of the library:

jcinit.c: Initialization: determines which other modules to use.
jcmaster.c: Master control: setup and inter-pass sequencing logic.
jcmaintct.c: Main buffer controller (preprocessor => JPEG compressor).
jcprect.c: Preprocessor buffer controller.
jcdefct.c: Buffer controller for DCT coefficient buffer.
jccolor.c: Color space conversion.
jcsample.c: Downsampling.
jcdctmgr.c: DCT manager (DCT implementation selection & control).
jfdctinc.c: Forward DCT using slow-but-accurate integer method.
jfdctfst.c: Forward DCT using faster, less accurate integer method.
jfdctflt.c: Forward DCT using floating-point arithmetic.
jchuff.c: Huffman entropy coding.
jcarith.c: Arithmetic entropy coding.
jcmarker.c: JPEG marker writing.
jdatadst.c: Data destination managers for memory and stdio output.
Decompression side of the library:

- jdmaster.c: Master control: determines which other modules to use.
- jdmaster.c: Input controller: controls input processing modules.
- jdmaint.c: Main buffer controller (JPEG decompressor => postprocessor).
- jdcoeft.c: Buffer controller for DCT coefficient buffer.
- jdpostct.c: Postprocessor buffer controller.
- jdcmarker.c: JPEG marker reading.
- jdhuff.c: Huffman entropy decoding.
- jdarith.c: Arithmetic entropy decoding.
- jddctmg.c: IDCT manager (IDCT implementation selection & control).
- jdcint.c: Inverse DCT using slow-but-accurate integer method.
- jdcintt.c: Inverse DCT using faster, less accurate integer method.
- jdcintfl.c: Inverse DCT using floating-point arithmetic.
- jdsample.c: Upsampling.
- jdcolor.c: Color space conversion.
- jdmerge.c: Merged upsampling/color conversion (faster, lower quality).
- jquant1.c: One-pass color quantization using a fixed-spacing colormap.
- jquant2.c: Two-pass color quantization using a custom-generated colormap. Also handles one-pass quantization to an externally given map.
- jdatasrc.c: Data source managers for memory and stdio input.

Support files for both compression and decompression:

- jaricom.c: Tables for common use in arithmetic entropy encoding and decoding routines.
- jerror.c: Standard error handling routines (application replaceable).
- jmempmgr.c: System-independent (more or less) memory management code.
- jutils.c: Miscellaneous utility routines.

jmempmgr.c relies on a system-dependent memory management module. The IJG distribution includes the following implementations of the system-dependent module:

- jmempnobs.c: "No backing store": assumes adequate virtual memory exists.
- jmempansi.c: Makes temporary files with ANSI-standard routine tmpfile().
- jmempname.c: Makes temporary files with program-generated file names.
- jmempdos.c: Custom implementation for MS-DOS (16-bit environment only): can use extended and expanded memory as well as temp files.
- jmempmac.c: Custom implementation for Apple Macintosh.

Exactly one of the system-dependent modules should be configured into an installed JPEG library (see install.txt for hints about which one to use). On unusual systems you may find it worthwhile to make a special system-dependent memory manager.
Non-C source code files:

jmemdosa.asm80x86 assembly code support for jmemdos.c; used only in MS-DOS-specific configurations of the JPEG library.

CJEPG/DJPEG/JPEGTRAN

Include files:

cdjpeg.h Declarations shared by cjpeg/djpeg/jpegtran modules.
cderror.h Additional error and trace message codes for cjpeg et al.
transupp.h Declarations for jpegtran support routines in transupp.c.

C source code files:

cjpeg.c Main program for cjpeg.
djpeg.c Main program for djpeg.
jpegran.c Main program for jpegtran.
cjpeg.c Utility routines used by all three programs.
rdcolmap.c Code to read a colormap file for djpeg's -map switch.
rdswitch.c Code to process some of cjpeg's more complex switches.
Also used by jpegtran.
transupp.c Support code for jpegtran: lossless image manipulations.

Image file reader modules for cjpeg:

rdbmp.c BMP file input.
rdgif.c GIF file input (now just a stub).
rddppm.c PPM/PGM file input.
rdrle.c Utah RLE file input.
rdtarga.c Targa file input.

Image file writer modules for djpeg:

wrbmp.c BMP file output.
wrgif.c GIF file output (a mere shadow of its former self).
wrppm.c PPM/PGM file output.
wrrel.c Utah RLE file output.
wrtdarga.c Targa file output.

RDJPGCOM/WRJPGCOM

C source code files:
Open Source Used In Virtualized Voice Browser 12.6(1)  10410

rdjpgcom.c  Stand-alone rdjpgcom application.
wrjpgcom.c  Stand-alone wrjpgcom application.

These programs do not depend on the IJG library. They do use
jconfig.h and jinclude.h, only to improve portability.

ADDITIONAL FILES
================

Documentation (see README for a guide to the documentation files):

README          Master documentation file.
*.txt           Other documentation files.
*.1             Documentation in Unix man page format.
change.log      Version-to-version change highlights.
example.c       Sample code for calling JPEG library.

Configuration/installation files and programs (see install.txt for more info):

configure        Unix shell script to perform automatic configuration.
configure.ac     Source file for use with Autoconf to generate configure.
ltnain.sh        Support scripts for configure (from GNU libtool).
config.guess     config.sub
depcomp          missing
ar-lib           compile
install-sh       Install shell script for those Unix systems lacking one.
Makefile.in      Makefile input for configure.
Makefile.am      Source file for use with Automake to generate Makefile.in.
ckconfig.c       Program to generate jconfig.h on non-Unix systems.
jconfig.txt      Template for making jconfig.h by hand.
mak*.          *Sample makefiles for particular systems.
jconfig.*       *Sample jconfig.h for particular systems.
libjpeg.map      Script to generate shared library with versioned symbols.
libjpeg.pc       pkg-config file input for configure.
aclocal.m4      Maco definitions for use with Autoconf.

Test files (see install.txt for test procedure):

test*.        *Source and comparison files for confidence test.
These are binary image files, NOT text files.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/filelist.txt
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2013, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file
libjpeg.txt describes the library from the viewpoint of an application
programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an array of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
  * cjpeg/djpeg, two sample applications that use the library to transform
    JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
command-line user interface and I/O routines for several uncompressed image
formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended
sequential, and progressive DCT processes. The library does not support the
hierarchical or lossless processes defined in the standard.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines,
and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [currently it does not].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module.
The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (block_size-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally.
(This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.)

Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.
For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirection through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.
*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:
   1A. Startup initialization at the beginning of image processing. The individual processing modules to be used in this run are selected and given initialization calls.
   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

\[
\text{input data} \Rightarrow \text{processing step A} \Rightarrow \text{buffer} \Rightarrow \text{processing step B} \Rightarrow \text{output data} \\
\text{------------------ controller ------------------}
\]

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can
be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

---

### Compression object structure

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
 |-- Preprocessing controller --|
 |     |-- Downsampling
 Main controller --|
   |-- Forward DCT, quantize
   |-- Coefficient controller --|
   |     |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.
* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as $V_{\text{max}}$ pixel rows of each component before downsampling, and $V_k$ sample rows afterwards (remember $V_k$ differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of block_size samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of block_size rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final
destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|               |-- Entropy decoding
|                  |-- Coefficient controller --|
|                        |   |-- Dequantize, Inverse DCT
| Main controller --|
|                   |-- Upsampling
|                   |-- Postprocessing controller --|   |-- Colorspace conversion
|                        |-- Color quantization
|                        |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this
is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that need fewer coefficients and emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will
always be a single component representing colormap indexes. In the current
design, the output values are JSAMPLEs, so an 8-bit compilation cannot
quantize to more than 256 colors. This is unlikely to be a problem in
practice.

* Color reduction: this module handles color precision reduction, e.g.,
generating 15-bit color (5 bits/primary) from JPEG's 24-bit output.
Not quite clear yet how this should be handled... should we merge it with
colorspace conversion???

Note that some high-speed operating modes might condense the entire
postprocessing sequence to a single module (upsample, color convert, and
quantize in one step).

In addition to the above objects, the decompression library includes these
objects:

* Master control: determines the number of passes required, controls overall
and per-pass initialization of the other modules. This is subdivided into
input and output control: jdinput.c controls only input-side processing,
while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source
manager supplied with the library knows how to read from a stdio stream
or from a memory buffer; for other behaviors, the surrounding application
may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress
monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the
decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the
coefficient controller's DCT coefficient buffer. Note that this
processing is relatively cheap and fast.
2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

```c
typedef something JSAMPLE; // a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; // ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; // ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; // ptr to a list of color-component arrays
```
The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as
GETJSAMPLE(image[colorcomponent][row][col])
where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is
represented by N consecutive JSAMPLE values, and an image row is an array of 
(# of color components)*(image width) JSAMPLEs. One or more rows of data can
be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is
converted to component-wise storage inside the JPEG library. (Applications
that want to skip JPEG preprocessing or postprocessing will have to contend
with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big
enough on all machines of interest, on some machines it is preferable to use
"int" for speed reasons, despite the storage cost. Coefficients are grouped
into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather
than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged
order, and may be true values or divided by the quantization coefficients,
depending on where the block is in the processing pipeline. In the current
library, coefficient blocks are kept in natural order everywhere; the entropy
codes zig or dezigzag the data as it is written or read. The blocks
contain quantized coefficients everywhere outside the DCT/IDCT subsystems.
(This latter decision may need to be revisited to support variable
quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 coefficient blocks,
corresponding to block_size rows of samples. Otherwise the structure
is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data
structure limits us to rows of less than 512 JBLOCKs, or a picture width of
4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW)
must be declared as "far" pointers, but the upper levels can be "near"
(implying that the pointer lists are allocated in the DS segment).
We use a #define symbol FAR, which expands to the "far" keyword when
compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***
In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (i.e., the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it
would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:
1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_XXX routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup. The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers. Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

jpeg_mem_init, jpeg_mem_term system-dependent initialization/shutdown

jpeg_get_small, jpeg_free_small interface to malloc and free library routines (or their equivalents)

jpeg_get_large, jpeg_free_large interface to FAR malloc/free in MSDOS machines; else usually the same as

jpeg_get_small/jpeg_free_small
On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg_open_backing_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call self_destruct (typically via jpeg_destroy) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a
mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

```
/*
 * jcmainct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for compression.
 * The main buffer lies between the pre-processor and the JPEG
 * compressor proper; it holds downsampled data in the JPEG colorspace.
 */
```

```

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/structure.txt
No license file was found, but licenses were detected in source scan.

/*
 * jcmainct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for compression.
 * The main buffer lies between the pre-processor and the JPEG
 * compressor proper; it holds downsampled data in the JPEG colorspace.
 */
```
Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcmainct.c
No license file was found, but licenses were detected in source scan.

*/

* jidctint.c
 *
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modification developed 2002-2016 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a slow-but-accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*
* We also provide IDCT routines with various output sample block sizes for
* direct resolution reduction or enlargement and for direct resolving the
* common 2x1 and 1x2 subsampling cases without additional resampling: NxN
* (N=1...16), 2NxN, and Nx2N (N=1...8) pixels for one 8x8 input DCT block.
*
* For N<8 we simply take the corresponding low-frequency coefficients of
* the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
* to yield the downscaled outputs.
* This can be seen as direct low-pass downsampling from the DCT domain
* point of view rather than the usual spatial domain point of view,
* yielding significant computational savings and results at least
* as good as common bilinear (averaging) spatial downsampling.
*
* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
* lower frequencies and higher frequencies assumed to be zero.
* It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jidctint.c
No license file was found, but licenses were detected in source scan.

/*
* jchuff.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2006-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy encoding routines.
* Both sequential and progressive modes are supported in this single module.
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
*
* We do not support output suspension for the progressive JPEG mode.
* the library currently does not allow multiple-scan files to be written
* with output suspension.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jchuff.c
No license file was found, but licenses were detected in source scan.

/*
* jmemsys.h
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemsys.h
No license file was found, but licenses were detected in source scan.

/*
* jdsample.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains upsampling routines.
* Upsampling input data is counted in "row groups". A row group
* is defined to be (v_samp_factor * DCT_v_scaled_size / min_DCT_v_scaled_size)
* sample rows of each component. Upsampling will normally produce
* max_v_samp_factor pixel rows from each row group (but this could vary
* if the upsampler is applying a scale factor of its own).
* An excellent reference for image resampling is
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdsample.c
No license file was found, but licenses were detected in source scan.

/*
* cdjpeg.c
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains common support routines used by the IJG application
* programs (cjpeg, djpeg, jpegtran).
/*

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/cdjpeg.c
No license file was found, but licenses were detected in source scan.

*/

* cdjpeg.h

* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains common declarations for the sample applications
cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/cdjpeg.h
No license file was found, but licenses were detected in source scan.

*/

* rdswitch.c

* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
*-qtables file-Read quantization tables from text file
*-scans file-Read scan script from text file
*-quality N[,N,...]-Set quality ratings
*-qslots N[,N,...]-Set component quantization table selectors
*-sample HxV[,HxV,...]-Set component sampling factors
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdswitch.c
No license file was found, but licenses were detected in source scan.

*/

* jdmaster.c

* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains master control logic for the JPEG decompressor.
* These routines are concerned with selecting the modules to be executed
* and with determining the number of passes and the work to be done in each
* pass.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdmaster.c
No license file was found, but licenses were detected in source scan.

/*
 * jdinput.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input control logic for the JPEG decompressor.
 * These routines are concerned with controlling the decompressor's input
 * processing (marker reading and coefficient decoding). The actual input
 * reading is done in jdmarker.c, jdhuff.c, and jdarith.c.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdinput.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemname.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a generic implementation of the system-dependent
 * portion of the JPEG memory manager. This implementation assumes that
 * you must explicitly construct a name for each temp file.
 * Also, the problem of determining the amount of memory available
 * is shoved onto the user.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemname.c
No license file was found, but licenses were detected in source scan.
/*
 * jdcoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2002-2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for decompression.
 * This controller is the top level of the JPEG decompressor proper.
 * The coefficient buffer lies between entropy decoding and inverse-DCT steps.
 *
 * In buffered-image mode, this controller is the interface between
 * input-oriented processing and output-oriented processing.
 * Also, the input side (only) is used when reading a file for transcoding.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdcoefct.c
No license file was found, but licenses were detected in source scan.

/*
 * rdbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Microsoft "BMP"
 * format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
 * Currently, only 8-, 24-, and 32-bit images are supported, not 1-bit or
 * 4-bit (feeding such low-depth images into JPEG would be silly anyway).
 * Also, we don't support RLE-compressed files.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed BMP format).
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
 * jdcolor.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdcolor.c

No license file was found, but licenses were detected in source scan.

/*
 * jmemmac.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * jmemmac.c provides an Apple Macintosh implementation of the system-dependent portion of the JPEG memory manager.
 *
 * If you use jmemmac.c, then you must define USE_MAC_MEMMGR in the JPEG_INTERNALS part of jconfig.h.
 *
 * jmemmac.c uses the Macintosh toolbox routines NewPtr and DisposePtr instead of malloc and free. It accurately determines the amount of memory available by using CompactMem. Notice that if left to its own devices, this code can chew up all available space in the application's zone, with the exception of the rather small "slop" factor computed in jpeg_mem_available(). The application can ensure that more space is left over by reducing max_memory_to_use.
 *
 * Large images are swapped to disk using temporary files and System 7.0+'s temporary folder functionality.
 *
 * Note that jmemmac.c depends on two features of MacOS that were first introduced in System 7: FindFolder and the FSSpec-based calls.
 * If your application uses jmemmac.c and is run under System 6 or earlier, and the jpeg library decides it needs a temporary file, it will abort, printing error messages about requiring System 7. (If no temporary files are created, it will run fine.)
 */
* If you want to use jmemmac.c in an application that might be used with
  System 6 or earlier, then you should remove dependencies on FindFolder
  and the FSSpec calls. You will need to replace FindFolder with some
  other mechanism for finding a place to put temporary files, and you
  should replace the FSSpec calls with their HFS equivalents:
  *
  *  FSpDelete    ->  HDelete
  *  FSpGetFInfo  ->  HGetFInfo
  *  FSpCreate    ->  HCreate
  *  FSpOpenDF    ->  HOpen    *** Note: not HOpenDF ***
  *  FSMakeFSSpec -> (fill in spec by hand.)
  *
  * (Use HOpen instead of HOpenDF. HOpen is just a glue-interface to PBHOpen,
    which is on all HFS macs. HOpenDF is a System 7 addition which avoids the
    ages-old problem of names starting with a period.)
  *
  * Contributed by Sam Bushell (jsam@iagu.on.net) and
    Dan Gildor (gyld@in-touch.com).
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemmac.c
No license file was found, but licenses were detected in source scan.

/*
  * wrppm.c
  *
  * Copyright (C) 1991-1996, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains routines to write output images in PPM/PGM format.
  * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
  * The PBMPPLUS library is NOT required to compile this software
    (but it is highly useful as a set of PPM image manipulation programs).
  *
  * These routines may need modification for non-Unix environments or
    specialized applications. As they stand, they assume output to
    an ordinarystdio stream.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/wrppm.c
No license file was found, but licenses were detected in source scan.

/*
  * jcarith.c
* Developed 1997-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains portable arithmetic entropy encoding routines for JPEG
* 
* Both sequential and progressive modes are supported in this single module.
* 
* Suspension is not currently supported in this module.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcarith.c

No license file was found, but licenses were detected in source scan.

/*
* jidctflt.c
* 
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a floating-point implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
* 
* This implementation should be more accurate than either of the integer
* IDCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
* 
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
* 
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* 
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jidctflt.c
No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in GIF format.
 *
**************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* this code has been modified to output "uncompressed GIF" files.        *
* There is no trace of the LZW algorithm in this file.                   *
**************************************************************************
 *
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdout stream.
*/
/*
 *
 * This code is loosely based on ppmtogif from the PBMPLUS distribution
 * of Feb. 1991. That file contains the following copyright notice:
 * Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
 * Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
 * Copyright (C) 1989 by Jef Poskanzer.
 * Permission to use, copy, modify, and distribute this software and its
 * documentation for any purpose and without fee is hereby granted, provided
 * that the above copyright notice appear in all copies and that both that
 * copyright notice and this permission notice appear in supporting
 * documentation. This software is provided "as is" without express or
 * implied warranty.
 *
 * We are also required to state that
 * "The Graphics Interchange Format(c) is the Copyright property of
 * CompuServe Incorporated. GIF(sm) is a Service Mark property of

Open Source Used In Virtualized Voice Browser 12.6(1) 10440
*/
*rdtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2017 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Targa format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdtarga.c

No license file was found, but licenses were detected in source scan.

/ *
* jdhuff.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2006-2016 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy decoding routines.
* Both sequential and progressive modes are supported in this single module.
*
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/
/*
 * jfdctfst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a fast, not so accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with fixed-point math,
 * accuracy is lost due to imprecise representation of the scaled
 * quantization values. The smaller the quantization table entry, the less
 * precise the scaled value, so this implementation does worse with high-
 * quality-setting files than with low-quality ones.
 */

/*
 * jquant2.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
*/
* For conditions of distribution and use, see the accompanying README file.
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
  followed by mapping of the image to that color map, with optional
  Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
  externally-given color map.
* Note: ordered dithering is not supported, since there isn't any fast
  way to compute intercolor distances; it's unclear that ordered dither's
  fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jquant2.c

No license file was found, but licenses were detected in source scan.

/**
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2011-2012 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 * * pool-based allocation and freeing of memory;
 * * policy decisions about how to divide available memory among the
 *   virtual arrays;
 * * control logic for swapping virtual arrays between main memory and
 *   backing storage.
 * The separate system-dependent file provides the actual backing-storage
 * access code, and it contains the policy decision about how much total
 * main memory to use.
 * This file is system-dependent in the sense that some of its functions
 * are unnecessary in some systems. For example, if there is enough virtual
 * memory so that backing storage will never be used, much of the virtual
 * array control logic could be removed. (Of course, if you have that much
 * memory then you shouldn't care about a little bit of unused code...)
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemmgr.c
No license file was found, but licenses were detected in source scan.

INSTALLATION INSTRUCTIONS for the Independent JPEG Group's JPEG software

Copyright (C) 1991-2017, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file explains how to configure and install the IJG software. We have tried to make this software extremely portable and flexible, so that it can be adapted to almost any environment. The downside of this decision is that the installation process is complicated. We have provided shortcuts to simplify the task on common systems. But in any case, you will need at least a little familiarity with C programming and program build procedures for your system.

If you are only using this software as part of a larger program, the larger program's installation procedure may take care of configuring the IJG code. For example, Ghostscript's installation script will configure the IJG code.
You don't need to read this file if you just want to compile Ghostscript.

If you are on a Unix machine, you may not need to read this file at all.
Try doing
./configure
make
make test
If that doesn't complain, do
make install
(better do "make -n install" first to see if the makefile will put the files where you want them). Read further if you run into snags or want to customize the code for your system.

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Hints for specific systems
BEFORE YOU START

Before installing the software you must unpack the distributed source code. Since you are reading this file, you have probably already succeeded in this task. However, there is a potential for error if you needed to convert the files to the local standard text file format (for example, if you are on MS-DOS you may have converted LF end-of-line to CR/LF). You must apply such conversion to all the files EXCEPT those whose names begin with "test". The test files contain binary data; if you change them in any way then the self-test will give bad results.

Please check the last section of this file to see if there are hints for the specific machine or compiler you are using.

CONFIGURING THE SOFTWARE

To configure the IJG code for your system, you need to create two files:
* jconfig.h: contains values for system-dependent #define symbols.
* Makefile: controls the compilation process.
(On a non-Unix machine, you may create "project files" or some other substitute for a Makefile. jconfig.h is needed in any environment.)

We provide three different ways to generate these files:
* On a Unix system, you can just run the "configure" script.
* We provide sample jconfig files and makefiles for popular machines; if your machine matches one of the samples, just copy the right sample files to jconfig.h and Makefile.
* If all else fails, read the instructions below and make your own files.

Configuring the software using the automatic "configure" script

If you are on a Unix machine, you can just type

```
./configure
```

and let the configure script construct appropriate configuration files.
If you're using "csh" on an old version of System V, you might need to type

```
sh configure
```

instead to prevent csh from trying to execute configure itself.
Expect configure to run for a few minutes, particularly on slower machines; it works by compiling a series of test programs.

Configure was created with GNU Autoconf and it follows the usual conventions for GNU configure scripts. It makes a few assumptions that you may want to
override. You can do this by providing optional switches to configure:

* Configure will build both static and shared libraries, if possible.
If you want to build libjpeg only as a static library, say
./configure --disable-shared
If you want to build libjpeg only as a shared library, say
./configure --disable-static
Configure uses GNU libtool to take care of system-dependent shared library building methods.

* Configure will use gcc (GNU C compiler) if it's available, otherwise cc.
To force a particular compiler to be selected, use the CC option, for example
./configure CC='cc'
The same method can be used to include any unusual compiler switches.
For example, on HP-UX you probably want to say
./configure CC='cc -Aa'
to get HP's compiler to run in ANSI mode.

* The default CFLAGS setting is "-g" for non-gcc compilers, "-g -O2" for gcc.
You can override this by saying, for example,
./configure CFLAGS='-O2'
if you want to compile without debugging support.

* Configure will set up the makefile so that "make install" will install files
into /usr/local/bin, /usr/local/man, etc. You can specify an installation
prefix other than /usr/local" by giving configure the option "--prefix=PATH".

* If you don't have a lot of swap space, you may need to enable the IIG
software's internal virtual memory mechanism. To do this, give the option
"--enable-maxmem=N" where N is the default maxmemory limit in megabytes.
This is discussed in more detail under "Selecting a memory manager", below.
You probably don't need to worry about this on reasonably-sized Unix machines,
unless you plan to process very large images.

Configure has some other features that are useful if you are cross-compiling
or working in a network of multiple machine types; but if you need those
features, you probably already know how to use them.

Configuring the software using one of the supplied jconfig and makefile files
--------------------------------------------------------------------------------

If you have one of these systems, you can just use the provided configuration
files:

Makefile jconfig file System and/or compiler

makefile.manxjconfig.manxAmiga, Manx Aztec C
makefile.sas config.sasAmiga, SAS C
makeproj.macconfig.macApple Macintosh, Metrowerks CodeWarrior
make*.jpeg.stconfig.stAtari ST/STE/TT, Pure C or Turbo C
makefile.bccconfig.bccMS-DOS or OS/2, Borland C
makefile.djconfig.djMS-DOS, DJGPP (Delorie's port of GNU C)
makefile.mc6jconfig.mc6MS-DOS, Microsoft C (16-bit only)
makefile.watjconfig.watMS-DOS, OS/2, or Windows NT, Watcom C
makefile.vcconfig.vcWindows, MS Visual C++
makefile.vmsconfig.vmsDigital VMS, with MMS software
makefile.vmsjconfig.vmsDigital VMS, without MMS software

Copy the proper jconfig file to jconfig.h and the makefile to Makefile (or
whatever your system uses as the standard makefile name). For more info see
the appropriate system-specific hints section near the end of this file.

Configuring the software by hand
----------------------------------

First, generate a jconfig.h file. If you are moderately familiar with C,
the comments in jconfig.txt should be enough information to do this; just
copy jconfig.txt to jconfig.h and edit it appropriately. Otherwise, you may
prefer to use the ckconfig.c program. You will need to compile and execute
ckconfig.c by hand --- we hope you know at least enough to do that.
ckconfig.c may not compile the first try (in fact, the whole idea is for it
to fail if anything is going to). If you get compile errors, fix them by
editing ckconfig.c according to the directions given in ckconfig.c. Once
you get it to run, it will write a suitable jconfig.h file, and will also
print out some advice about which makefile to use.

You may also want to look at the canned jconfig files, if there is one for a
system similar to yours.

Second, select a makefile and copy it to Makefile (or whatever your system
uses as the standard makefile name). The most generic makefiles we provide
are
makefile.ansi: if your C compiler supports function prototypes
makefile.unix: if not.
(You have function prototypes if ckconfig.c put "#define HAVE_PROTOTYPES"
in jconfig.h.) You may want to start from one of the other makefiles if
there is one for a system similar to yours.

Look over the selected Makefile and adjust options as needed. In particular
you may want to change the CC and CFLAGS definitions. For instance, if you are using GCC, set CC=gcc. If you had to use any compiler switches to get ccconfig.c to work, make sure the same switches are in CFLAGS.

If you are on a system that doesn't use makefiles, you'll need to set up project files (or whatever you do use) to compile all the source files and link them into executable files cjpeg, djpeg, jpegtan, rdjgcom, and wrjgcom. See the file lists in any of the makefiles to find out which files go into each program. Note that the provided makefiles all make a "library" file libjpeg first, but you don't have to do that if you don't want to; the file lists identify which source files are actually needed for compression, decompression, or both. As a last resort, you can make a batch script that just compiles everything and links it all together; makefile.vms is an example of this (it's for VMS systems that have no make-like utility).

Here are comments about some specific configuration decisions you'll need to make:

Command line style
------------------

These programs can use a Unix-like command line style which supports redirection and piping, like this:
cjpeg inputfile >outputfile
cjpeg <inputfile >outputfile
source program | cjpeg >outputfile
The simpler "two file" command line style is just
cjpeg inputfile outputfile
You may prefer the two-file style, particularly if you don't have pipes.

You MUST use two-file style on any system that doesn't cope well with binary data fed through stdin/stdout; this is true for some MS-DOS compilers, for example. If you're not on a Unix system, it's safest to assume you need two-file style. (But if your compiler provides either the Posix-standard fdopen() library routine or a Microsoft-compatible setmode() routine, you can safely use the Unix command line style, by defining USE_FDOPEN or USE_SETMODE respectively.)

To use the two-file style, make jconfig.h say "#define TWO_FILE_COMMANDLINE".

Selecting a memory manager
--------------------------

The IJG code is capable of working on images that are too big to fit in main memory; data is swapped out to temporary files as necessary. However, the code to do this is rather system-dependent. We provide five different memory managers:
* jmemansi.c This version uses the ANSI-standard library routine tmpfile(), which not all non-ANSI systems have. On some systems tmpfile() may put the temporary file in a non-optimal location; if you don't like what it does, use jmemname.c.

* jmemname.c This version creates named temporary files. For anything except a Unix machine, you'll need to configure the select_file_name() routine appropriately; see the comments near the head of jmemname.c. If you use this version, define NEED_SIGNAL_CATCHER in jconfig.h to make sure the temp files are removed if the program is aborted.

* jmemnobs.c (That stands for No Backing Store :-) ) This will compile on almost any system, but it assumes you have enough main memory or virtual memory to hold the biggest images you work with.

* jmemdos.c This should be used with most 16-bit MS-DOS compilers. See the system-specific notes about MS-DOS for more info. IMPORTANT: if you use this, define USE_MSDOS_MEMMGR in jconfig.h, and include the assembly file jmemdosa.asm in the programs. The supplied makefiles and jconfig files for 16-bit MS-DOS compilers already do both.

* jmemmac.c Custom version for Apple Macintosh; see the system-specific notes for Macintosh for more info.

To use a particular memory manager, change the SYSDEPMEM variable in your makefile to equal the corresponding object file name (for example, jmemansi.o or jmemansi.obj for jmemansi.c).

If you have plenty of (real or virtual) main memory, just use jmemnobs.c. "Plenty" means about ten bytes for every pixel in the largest images you plan to process, so a lot of systems don't meet this criterion.

If yours doesn't, try jmemansi.c first. If that doesn't compile, you'll have to use jmemname.c; be sure to adjust select_file_name() for local conditions.

You may also need to change unlink() to remove() in close_backing_store().

Except with jmemnobs.c or jmemmac.c, you need to adjust the DEFAULT_MAX_MEM setting to a reasonable value for your system (either by adding a #define for DEFAULT_MAX_MEM to jconfig.h, or by adding a -D switch to the Makefile).

This value limits the amount of data space the program will attempt to allocate. Code and static data space isn't counted, so the actual memory needs for cjpeg or djipeg are typically 100 to 150Kb more than the max-memory setting. Larger max-memory settings reduce the amount of I/O needed to process a large image, but too large a value can result in "insufficient memory" failures. On most Unix machines (and other systems with virtual memory), just set DEFAULT_MAX_MEM to several million and forget it. At the other end of the spectrum, for MS-DOS machines you probably can't go much
above 300K to 400K. (On MS-DOS the value refers to conventional memory only. Extended/expanded memory is handled separately by jmemdos.c.)

BUILDING THE SOFTWARE
=======================

Now you should be able to compile the software. Just say "make" (or whatever's necessary to start the compilation). Have a cup of coffee.

Here are some things that could go wrong:

If your compiler complains about undefined structures, you should be able to shut it up by putting "#define INCOMPLETE_TYPES_BROKEN" in jconfig.h.

If you have trouble with missing system include files or inclusion of the wrong ones, read jinclude.h. This shouldn't happen if you used configure or ckconfig.c to set up jconfig.h.

There are a fair number of routines that do not use all of their parameters; some compilers will issue warnings about this, which you can ignore. There are also a few configuration checks that may give "unreachable code" warnings. Any other warning deserves investigation.

If you don't have a getenv() library routine, define NO_GETENV.

Also see the system-specific hints, below.

TESTING THE SOFTWARE
=====================

As a quick test of functionality we've included a small sample image in several forms:

testorig.jpg Starting point for the djpeg tests.
testimg.ppm The output of djpeg testorig.jpg
testing.bmp The output of djpeg -bmp -colors 256 testorig.jpg
testimg.jpg The output of cjpeg testing.ppm
testprog.jpg Progressive-mode equivalent of testorig.jpg.
testimgp.jpg The output of cjpeg -progressive -optimize testing.ppm
(The first- and second-generation .jpg files aren't identical since the default compression parameters are lossy.) If you can generate duplicates of the testing* files then you probably have working programs.

With most of the makefiles, "make test" will perform the necessary comparisons.

If you're using a makefile that doesn't provide the test option, run djpeg
and cjpeg by hand and compare the output files to testimg* with whatever binary file comparison tool you have. The files should be bit-for-bit identical.

If the programs complain "MAX_ALLOC_CHUNK is wrong, please fix", then you need to reduce MAX_ALLOC_CHUNK to a value that fits in type size_t.
Try adding "#define MAX_ALLOC_CHUNK 65520L" to jconfig.h. A less likely configuration error is "ALIGN_TYPE is wrong, please fix": defining ALIGN_TYPE as long should take care of that one.

If the cjpeg test run fails with "Missing Huffman code table entry", it's a good bet that you needed to define RIGHT_SHIFT_IS_UNSIGNED. Go back to the configuration step and run ckconfig.c. (This is a good plan for any other test failure, too.)

If you are using Unix (one-file) command line style on a non-Unix system, it's a good idea to check that binary I/O through stdin/stdout actually works. You should get the same results from "djpeg <testorig.jpg >out.ppm" as from "djpeg -outfile out.ppm testorig.jpg". Note that the makefiles all use the latter style and therefore do not exercise stdin/stdout! If this check fails, try recompiling with USE_SETMODE or USE_FDOPEN defined. If it still doesn't work, better use two-file style.

If you chose a memory manager other than jmemnobs.c, you should test that temporary-file usage works. Try "djpeg -bmp -colors 256 -max 0 testorig.jpg" and make sure its output matches testimg.bmp. If you have any really large images handy, try compressing them with -optimize and/or decompressing with -colors 256 to make sure your DEFAULT_MAX_MEM setting is not too large.

NOTE: this is far from an exhaustive test of the JPEG software; some modules, such as 1-pass color quantization, are not exercised at all. It's just a quick test to give you some confidence that you haven't missed something major.

INSTALLING THE SOFTWARE
========================

Once you're done with the above steps, you can install the software by copying the executable files (cjpeg, djpeg, jepgtran, rdjpgcom, and wrjpgcom) to wherever you normally install programs. On Unix systems, you'll also want to put the man pages (cjpeg.1, djpeg.1, jepgtran.1, rdjpgcom.1, wrjpgcom.1) in the man-page directory. The pre-fab makefiles don't support this step since there's such a wide variety of installation procedures on different systems.

If you generated a Makefile with the "configure" script, you can just say make install
to install the programs and their man pages into the standard places.  
(You'll probably need to be root to do this.) We recommend first saying 
make -n install 
to see where configure thought the files should go. You may need to edit 
the Makefile, particularly if your system's conventions for man page 
filenames don't match what configure expects.

If you want to install the IJG library itself, for use in compiling other 
programs besides ours, then you need to put the four include files 
jpeglib.h jerror.h jconfig.h jmorecfg.h 
into your include-file directory, and put the library file libjpeg.a 
(extension may vary depending on system) wherever library files go. 
If you generated a Makefile with "configure", it will do what it thinks 
is the right thing if you say 
make install-lib

OPTIONAL STUFF
==============

Progress monitor:

If you like, you can #define PROGRESS_REPORT (in jconfig.h) to enable display 
of percent-done progress reports. The routine provided in cdjpeg.c merely 
prints percentages to stderr, but you can customize it to do something 
fancier.

Utah RLE file format support:

We distribute the software with support for RLE image files (Utah Raster 
Toolkit format) disabled, because the RLE support won't compile without the 
Utah library. If you have URT version 3.1 or later, you can enable RLE 
support as follows:
1. #define RLE_SUPPORTED in jconfig.h.
2. Add a -I option to CFLAGS in the Makefile for the directory 
    containing the URT .h files (typically the "include" 
    subdirectory of the URT distribution).
3. Add -L... -lrle to LDLIBS in the Makefile, where ... specifies 
    the directory containing the URT "librle.a" file (typically the 
    "lib" subdirectory of the URT distribution).

Support for 9-bit to 12-bit deep pixel data:

The IJG code currently allows 8, 9, 10, 11, or 12 bits sample data precision. 
(For color, this means 8 to 12 bits per channel, of course.) If you need to 
work with deeper than 8-bit data, you can compile the IJG code for 9-bit to 
12-bit operation.
To do so:
1. In jmorecfg.h, define BITS_IN_JSAMPLE as 9, 10, 11, or 12 rather than 8.
2. In jconfig.h, undefine BMP_SUPPORTED, RLE_SUPPORTED, and TARGA_SUPPORTED, because the code for those formats doesn't handle deeper than 8-bit data and won't even compile. (The PPM code does work, as explained below. The GIF code works too; it scales 8-bit GIF data to and from 12-bit depth automatically.)
3. Compile. Don't expect "make test" to pass, since the supplied test files are for 8-bit data.

Currently, 9-bit to 12-bit support does not work on 16-bit-int machines.

Run-time selection and conversion of data precision are currently not supported and may be added later.
Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values.

The PPM reader (rdppm.c) can read deeper than 8-bit data from either text-format or binary-format PPM and PGM files. Binary-format PPM/PGM files which have a maxval greater than 255 are assumed to use 2 bytes per sample, MSB first (big-endian order). As of early 1995, 2-byte binary format is not officially supported by the PBPLUS library, but it is expected that a future release of PBPLUS will support it. Note that the PPM reader will read files of any maxval regardless of the BITS_IN_JSAMPLE setting; incoming data is automatically rescaled to maxval=MAXJSAMPLE as appropriate for the cjpeg bit depth.

The PPM writer (wrppm.c) will normally write 2-byte binary PPM or PGM format, maxval=MAXJSAMPLE, when compiled with BITS_IN_JSAMPLE>8. Since this format is not yet widely supported, you can disable it by compiling wrppm.c with PPM_NORAWWORD defined; then the data is scaled down to 8 bits to make a standard 1-byte/sample PPM or PGM file. (Yes, this means still another copy of djpeg to keep around. But hopefully you won't need it for very long. Poskanzer's supposed to get that new PBPLUS release out Real Soon Now.)

Of course, if you are working with 9-bit to 12-bit data, you probably have it stored in some other, nonstandard format. In that case you'll probably want to write your own I/O modules to read and write your format.

Note:
The standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables.

Removing code:
If you need to make a smaller version of the JPEG software, some optional functions can be removed at compile time. See the xxx_SUPPORTED #defines in jconfig.h and jmorecfg.h. If at all possible, we recommend that you leave in decoder support for all valid JPEG files, to ensure that you can read anyone's output. Taking out support for image file formats that you don't use is the most painless way to make the programs smaller. Another possibility is to remove some of the DCT methods: in particular, the "IFAST" method may not be enough faster than the others to be worth keeping on your machine. (If you do remove ISLOW or IFAST, be sure to redefine JDCT_DEFAULT or JDCT_FASTEST to a supported method, by adding a #define in jconfig.h.)

OPTIMIZATION
============

Unless you own a Cray, you'll probably be interested in making the JPEG software go as fast as possible. This section covers some machine-dependent optimizations you may want to try. We suggest that before trying any of this, you first get the basic installation to pass the self-test step. Repeat the self-test after any optimization to make sure that you haven't broken anything.

The integer DCT routines perform a lot of multiplications. These multiplications must yield 32-bit results, but none of their input values are more than 16 bits wide. On many machines, notably the 680x0 and 80x86 CPUs, a 16x16=>32 bit multiply instruction is faster than a full 32x32=>32 bit multiply. Unfortunately there is no portable way to specify such a multiplication in C, but some compilers can generate one when you use the right combination of casts. See the MULTIPLYxxx macro definitions in jdct.h. If your compiler makes "int" be 32 bits and "short" be 16 bits, defining SHORTxSHORT_32 is fairly likely to work. When experimenting with alternate definitions, be sure to test not only whether the code still works (use the self-test), but also whether it is actually faster --- on some compilers, alternate definitions may compute the right answer, yet be slower than the default. Timing cjpeg on a large PGM (grayscale) input file is the best way to check this, as the DCT will be the largest fraction of the runtime in that mode. (Note: some of the distributed compiler-specific jconfig files already contain #define switches to select appropriate MULTIPLYxxx definitions.)

If your machine has sufficiently fast floating point hardware, you may find that the float DCT method is faster than the integer DCT methods, even after tweaking the integer multiply macros. In that case you may want to make the float DCT be the default method. (The only objection to this is that float DCT results may vary slightly across machines.) To do that, add "#define JDCT_DEFAULT JDCT_FLOAT" to jconfig.h. Even if you don't change the default, you should redefine JDCT_FASTEST, which is the method selected by djpeg's -fast switch. Don't forget to update the documentation files.
(usage.txt and/or cjpeg.1, djpeg.1) to agree with what you've done.

If access to "short" arrays is slow on your machine, it may be a win to define type JCOEF as int rather than short. This will cost a good deal of memory though, particularly in some multi-pass modes, so don't do it unless you have memory to burn and short is REALLY slow.

If your compiler can compile function calls in-line, make sure the INLINE macro in jmorecfg.h is defined as the keyword that marks a function in-line-able. Some compilers have a switch that tells the compiler to inline any function it thinks is profitable (e.g., -finline-functions for gcc). Enabling such a switch is likely to make the compiled code bigger but faster.

In general, it's worth trying the maximum optimization level of your compiler, and experimenting with any optional optimizations such as loop unrolling. (Unfortunately, far too many compilers have optimizer bugs ... be prepared to back off if the code fails self-test.) If you do any experimentation along these lines, please report the optimal settings to jpeg-info@jpegclub.org so we can mention them in future releases. Be sure to specify your machine and compiler version.

HINTS FOR SPECIFIC SYSTEMS
==========================

We welcome reports on changes needed for systems not mentioned here. Submit 'em to jpeg-info@jpegclub.org. Also, if configure or ckconfig.c is wrong about how to configure the JPEG software for your system, please let us know.

Acorn RISC OS:

(Thanks to Simon Middleton for these hints on compiling with Desktop C.)
After renaming the files according to Acorn conventions, take a copy of makefile.ansi, change all occurrences of 'libjpeg.a' to 'libjpeg.o' and change these definitions as indicated:

CFLAGS= -throwback -IC: -Wn
LDLIBS=C:o.Stubs
SYSDEPMEM=jmemansi.o
LN=Link
AR=LibFile -c -o

Also add a new line '.c.o:; $(cc) $< $(cflags) -c -o $@'. Remove the lines '$(RM) libjpeg.o' and '$(AR2) libjpeg.o' and the 'jconfig.h' dependency section.

Copy jconfig.txt to jconfig.h. Edit jconfig.h to define TWO_FILE_COMMANDLINE
and CHAR_IS_UNSIGNED.

Run the makefile using !AMU not !Make. If you want to use the 'clean' and 'test' makefile entries then you will have to fiddle with the syntax a bit and rename the test files.

Amiga:

SAS C 6.50 reportedly is too buggy to compile the IJG code properly. A patch to update to 6.51 is available from SAS or AmiNet FTP sites.

The supplied config files are set up to use jmemname.c as the memory manager, with temporary files being created on the device named by "JPEGTMP:"

Atari ST/STE/TT:

Copy the project files makcjpeg.st, makdjpeg.st, maktjpeg.st, and makljpeg.st to cjpeg.prj, djpeg.prj, jpegtran.prj, and libjpeg.prj respectively. The project files should work as-is with Pure C. For Turbo C, change library filenames "pc..." to "tc..." in each project file. Note that libjpeg.prj selects jmemansi.c as the recommended memory manager. You'll probably want to adjust the DEFAULT_MAX_MEM setting --- you want it to be a couple hundred K less than your normal free memory. Put "#define DEFAULT_MAX_MEM nnnn" into jconfig.h to do this.

To use the 68881/68882 coprocessor for the floating point DCT, add the compiler option "-8" to the project files and replace pcfltlib.lib with pc881lib.lib in cjpeg.prj and djpeg.prj. Or if you don't have a coprocessor, you may prefer to remove the float DCT code by undefining DCT_FLOAT_SUPPORTED in jmorecfg.h (since without a coprocessor, the float code will be too slow to be useful). In that case, you can delete pcfltlib.lib from the project files.

Note that you must make libjpeg.lib before making cjpeg.ttp, djpeg.ttp, or jpegtran.ttp. You'll have to perform the self-test by hand.

We haven't bothered to include project files for rdjpgcom and wrjpgcom. Those source files should just be compiled by themselves; they don't depend on the JPEG library. You can use the default.prj project file of the Pure C distribution to make the programs.

There is a bug in some older versions of the Turbo C library which causes the space used by temporary files created with "tmpfile()" not to be freed after an abnormal program exit. If you check your disk afterwards, you will find cluster chains that are allocated but not used by a file. This should not
happen in cjpeg/djpeg/jpegtran, since we enable a signal catcher to explicitly close temp files before exiting. But if you use the JPEG library with your own code, be sure to supply a signal catcher, or else use a different system-dependent memory manager.

Cray:

Should you be so fortunate as to be running JPEG on a Cray YMP, there is a compiler bug in old versions of Cray's Standard C (prior to 3.1). If you still have an old compiler, you'll need to insert a line reading 
"#pragma novector" just before the loop
   for (i = 1; i <= (int) htbl->bits[l]; i++)
   huffsize[p++] = (char) l;
in fix_huff_tbl (in V5beta1, line 204 of jchuff.c and line 176 of jdhuff.c). [This bug may or may not still occur with the current IJG code, but it's probably a dead issue anyway...]

HP-UX:

If you have HP-UX 7.05 or later with the "software development" C compiler, you should run the compiler in ANSI mode. If using the configure script, say
./configure CC='cc -Aa'
(or -Ae if you prefer). If configuring by hand, use makefile.ansi and add
"-Aa" to the CFLAGS line in the makefile.

If you have a pre-7.05 system, or if you are using the non-ANSI C compiler delivered with a minimum HP-UX system, then you must use makefile.unix (and do NOT add -Aa); or just run configure without the CC option.

On HP 9000 series 800 machines, the HP C compiler is buggy in revisions prior to A.08.07. If you get complaints about "not a typedef name", you'll have to use makefile.unix, or run configure without the CC option.

Macintosh, generic comments:

The supplied user-interface files (cjpeg.c, djpeg.c, etc) are set up to provide a Unix-style command line interface. You can use this interface on the Mac by means of the ecommand() library routine provided by Metrowerks CodeWarrior or Think C. This is only appropriate for testing the library, however; to make a user-friendly equivalent of cjpeg/djpeg you'd really want to develop a Mac-style user interface. There isn't a complete example available at the moment, but there are some helpful starting points:

1. Sam Bushell's free "To JPEG" applet provides drag-and-drop conversion to JPEG under System 7 and later. This only illustrates how to use the
compression half of the library, but it does a very nice job of that part. The CodeWarrior source code is available from http://www.pobox.com/~jsam.

2. Jim Brunner prepared a Mac-style user interface for both compression and decompression. Unfortunately, it hasn't been updated since IJG v4, and the library's API has changed considerably since then. Still it may be of some help, particularly as a guide to compiling the IJG code under Think C. Jim's code is available from the Info-Mac archives, at sumex-aim.stanford.edu or mirrors thereof; see file /info-mac/dev/src/jpeg-convert-c.hqx.

`jmemmac.c` is the recommended memory manager back end for Macintosh. It uses NewPtr/DisposePtr instead of malloc/free, and has a Mac-specific implementation of jpeg_mem_available(). It also creates temporary files that follow Mac conventions. (That part of the code relies on System-7-or-later OS functions. See the comments in `jmemmac.c` if you need to run it on System 6.) NOTE that USE_MAC_MEMMGR must be defined in `jconfig.h` to use `jmemmac.c`.

You can also use `jmemnobs.c`, if you don't care about handling images larger than available memory. If you use any memory manager back end other than `jmemmac.c`, we recommend replacing "malloc" and "free" by "NewPtr" and "DisposePtr", because Mac C libraries often have peculiar implementations of malloc/free. (For instance, free() may not return the freed space to the Mac Memory Manager. This is undesirable for the IJG code because `jmemmgr.c` already clumps space requests.)

Macintosh, Metrowerks CodeWarrior:

The Unix-command-line-style interface can be used by defining USE_CCOMMAND. You'll also need to define TWO_FILE_COMMANDLINE to avoid stdin/stdout. This means that when using the cjpeg/djpeg programs, you'll have to type the input and output file names in the "Arguments" text-edit box, rather than using the file radio buttons. (Perhaps USE_FDOPEN or USE_SETMODE would eliminate the problem, but I haven't heard from anyone who's tried it.)

On 680x0 Macs, Metrowerks defines type "double" as a 10-byte IEEE extended float. `jmemmgr.c` won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to `jconfig.h` to eliminate the complaint.

The supplied configuration file `jconfig.mac` can be used for your `jconfig.h`; it includes all the recommended symbol definitions. If you have AppleScript installed, you can run the supplied script `makeproj.mac` to create CodeWarrior project files for the library and the testbed applications, then build the library and applications. (Thanks to Dan Sears and Don Agro for this nifty hack, which saves us from trying to maintain CodeWarrior project files as part of the IJG distribution...)

Macintosh, Think C:
The documentation in Jim Brunner's "JPEG Convert" source code (see above) includes detailed build instructions for Think C; it's probably somewhat out of date for the current release, but may be helpful.

If you want to build the minimal command line version, proceed as follows. You'll have to prepare project files for the programs; we don't include any in the distribution since they are not text files. Use the file lists in any of the supplied makfiles as a guide. Also add the ANSI and Unix C libraries in a separate segment. You may need to divide the JPEG files into more than one segment; we recommend dividing compression and decompression modules. Define USE_Command in jconfig.h so that the command() routine is called. You must also define TWO_FILE_COMMANDLINE because stdin/stdout don't handle binary data correctly.

On 680x0 Macs, Think C defines type "double" as a 12-byte IEEE extended float. jmemmgr.c won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to jconfig.h to eliminate the complaint.

jconfig.mac should work as a jconfig.h configuration file for Think C, but the makeproj.mac AppleScript script is specific to CodeWarrior. Sorry.

MIPS R3000:

MIPS's cc version 1.31 has a rather nasty optimization bug. Don't use -O if you have that compiler version. (Use "cc -V" to check the version.) Note that the R3000 chip is found in workstations from DEC and others.

MS-DOS, generic comments for 16-bit compilers:

The IJG code is designed to work well in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model, and you should avoid "huge" model if at all possible. Be sure that NEED_FAR_POINTERS is defined in jconfig.h if you use a small-data memory model; be sure it is NOT defined if you use a large-data model. (The supplied makefiles and jconfig files for Borland and Microsoft C compile in medium model and define NEED_FAR_POINTERS.)

The DOS-specific memory manager, jmemdos.c, should be used if possible. It needs some assembly-code routines which are in jmemdosa.asm; make sure your makefile assembles that file and includes it in the library. If you don't have a suitable assembler, you can get pre-assembled object files for
jmemdosa by FTP from ftp.uu.net:/graphics/jpeg/jdosaobj.zip. (DOS-oriented distributions of the IJG source code often include these object files.)

When using jmemdos.c, jconfig.h must define USE_MSDOS_MEMMGR and must set MAX_ALLOC_CHUNK to less than 64K (65520L is a typical value). If your C library's far-heap malloc() can't allocate blocks that large, reduce MAX_ALLOC_CHUNK to whatever it can handle.

If you can't use jmemdos.c for some reason --- for example, because you don't have an assembler to assemble jmemdosa.asm --- you'll have to fall back to jmemansi.c or jmemname.c. You'll probably still need to set MAX_ALLOC_CHUNK in jconfig.h, because most DOS C libraries won't malloc() more than 64K at a time. IMPORTANT: if you use jmemansi.c or jmemname.c, you will have to compile in a large-data memory model in order to get the right stdio library. Too bad.

wrjpgcom needs to be compiled in large model, because it malloc()s a 64KB work area to hold the comment text. If your C library's malloc can't handle that, reduce MAX_COM_LENGTH as necessary in wrjpgcom.c.

Most MS-DOS compilers treat stdin/stdout as text files, so you must use two-file command line style. But if your compiler has either fdopen() or setmode(), you can use one-file style if you like. To do this, define USE_SETMODE or USE_FDOPEN so that stdin/stdout will be set to binary mode. (USE_SETMODE seems to work with more DOS compilers than USE_FDOPEN.) You should test that I/O through stdin/stdout produces the same results as I/O to explicitly named files... the "make test" procedures in the supplied makefiles do NOT use stdin/stdout.

MS-DOS, generic comments for 32-bit compilers:

None of the above comments about memory models apply if you are using a 32-bit flat-memory-space environment, such as DJGPP or Watcom C. (And you should use one if you have it, as performance will be much better than 8086-compatible code!) For flat-memory-space compilers, do NOT define NEED_FAR_POINTERS, and do NOT use jmemdos.c. Use jmemnobs.c if the environment supplies adequate virtual memory, otherwise use jmemansi.c or jmemname.c.

You'll still need to be careful about binary I/O through stdin/stdout. See the last paragraph of the previous section.

MS-DOS, Borland C:

Be sure to convert all the source files to DOS text format (CR/LF newlines). Although Borland C will often work OK with unmodified Unix (LF newlines)
source files, sometimes it will give bogus compile errors.  
"Illegal character '#'" is the most common such error.  (This is true with Borland C 3.1, but perhaps is fixed in newer releases.)

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.hcc already includes #define USE_SETMODE to make this work. (fdopen does not work correctly.)

MS-DOS, Microsoft C:

makefile.mc6 works with Microsoft C, DOS Visual C++, etc. It should only be used if you want to build a 16-bit (small or medium memory model) program.

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.mc6 already includes #define USE_SETMODE to make this work. (fdopen does not work correctly.)

Note that this makefile assumes that the working copy of itself is called "makefile". If you want to call it something else, say "makefile.mak". be sure to adjust the dependency line that reads "$(RFILE) : makefile". Otherwise the make will fail because it doesn't know how to create "makefile". Worse, some releases of Microsoft's make utilities give an incorrect error message in this situation.

Old versions of MS C fail with an "out of macro expansion space" error because they can't cope with the macro TRACEMS8 (defined in jerror.h). If this happens to you, the easiest solution is to change TRACEMS8 to expand to nothing. You'll lose the ability to dump out JPEG coefficient tables with djpeg -debug -debug, but at least you can compile.

Original MS C 6.0 is very buggy; it compiles incorrect code unless you turn off optimization entirely (remove -O from CFLAGS). 6.00A is better, but it still generates bad code if you enable loop optimizations (-O1 or -Ox).

MS C 8.0 crashes when compiling jquant1.c with optimization switch /Oo ... which is on by default. To work around this bug, compile that one file with /Oo-.

Microsoft Windows (all versions), generic comments:

Some Windows system include files define typedef boolean as "unsigned char". The IJG code also defines typedef boolean, but we make it an "enum" by default. This doesn't affect the IJG programs because we don't import those Windows include files. But if you use the JPEG library in your own program, and some of your program's files import one definition of boolean while some import the other, you can get all sorts of mysterious problems. A good preventive step
is to make the IJG library use "unsigned char" for boolean. To do that, add something like this to your jconfig.h file:

```c
/* Define "boolean" as unsigned char, not enum, per Windows custom */
#ifndef __RPCNDR_H__	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#ifndef FALSE		/* in case these macros already exist */
#define FALSE	0	/* values of boolean */
#endif
#ifndef TRUE
#define TRUE	1
#endif
#define HAVE_BOOLEAN	/* prevent jmorecfg.h from redefining it */
```

(This is already in jconfig.vc, by the way.)

`windef.h` contains the declarations

```c
#define far
#define FAR far
```

Since `jmorecfg.h` tries to define `FAR` as empty, you may get a compiler warning if you include both `jpeglib.h` and `windef.h` (which `windows.h` includes). To suppress the warning, you can put `"#ifndef FAR"/"#endif"` around the line `"#define FAR"` in `jmorecfg.h`.

(Something like this is already in `jmorecfg.h`, by the way.)

When using the library in a Windows application, you will almost certainly want to modify or replace the error handler module `jerror.c`, since our default error handler does a couple of inappropriate things:
1. it tries to write error and warning messages on stderr;
2. in event of a fatal error, it exits by calling `exit()`.

A simple stopgap solution for problem 1 is to replace the line

```c
fprintf(stderr, "\n", buffer);
```

with

```c
MessageBox(GetActiveWindow(),buffer,"JPEG Error",MB_OK|MB_ICONERROR);
```

It's highly recommended that you at least do that much, since otherwise error messages will disappear into nowhere. (Beginning with IJG v6b, this code is already present in `jerror.c`; just define `USE_WINDOWS_MESSAGEBOX` in `jconfig.h` to enable it.)

The proper solution for problem 2 is to return control to your calling application after a library error. This can be done with the `setjmp/longjmp` technique discussed in `libjpeg.txt` and illustrated in `example.c`.

```c
The recommended memory manager under Windows is `jmemnobs.c`; in other words, let Windows do any virtual memory management needed. You should NOT use
```
For Windows 3.1, we recommend compiling in medium or large memory model; for newer Windows versions, use a 32-bit flat memory model. (See the MS-DOS sections above for more info about memory models.) In the 16-bit memory models only, you'll need to put

```
#define MAX_ALLOC_CHUNK 65520L/* Maximum request to malloc() */
```

into jconfig.h to limit allocation chunks to 64Kb. (Without that, you'd have to use huge memory model, which slows things down unnecessarily.)

jitmendos.c nor jitmendoza.asm under Windows.

jitmendos.c works without modification in large or flat memory models, but to use medium model, you need to modify its jpeg_get_large and jpeg_free_large routines to allocate far memory. In any case, you might like to replace its calls to malloc and free with direct calls on Windows memory allocation functions.

You may also want to modify jdatasrc.c and jdatadst.c to use Windows file operations rather than fread/fwrite. This is only necessary if your C compiler doesn't provide a competent implementation of C stdio functions.

You might want to tweak the RGB_xxx macros in jmorecfg.h so that the library will accept or deliver color pixels in BGR sample order, not RGB; BGR order is usually more convenient under Windows. Note that this change will break the sample applications cjpeg/djpeg, but the library itself works fine.

Many people want to convert the IJG library into a DLL. This is reasonably straightforward, but watch out for the following:

1. Don't try to compile as a DLL in small or medium memory model; use large model, or even better, 32-bit flat model. Many places in the IJG code assume the address of a local variable is an ordinary (not FAR) pointer; that isn't true in a medium-model DLL.

2. Microsoft C cannot pass file pointers between applications and DLLs. (See Microsoft Knowledge Base, PSS ID Number Q50336.) So jdataproc.c and jdatadst.c don't work if you open a file in your application and then pass the pointer to the DLL. One workaround is to make jdataproc.c/jdatadst.c part of your main application rather than part of the DLL.

3. You'll probably need to modify the macros GLOBAL() and EXTERN() to attach suitable linkage keywords to the exported routine names. Similarly, you'll want to modify METHODDEF() and METHOD() to ensure function pointers are declared in a way that lets application routines be called back through the function pointers. These macros are in jmorecfg.h. Typical definitions for a 16-bit DLL are:

```
#define GLOBAL(type) type __pascal __loadds __export
#define EXTERN(type) extern type __pascal __loadds
#define METHODDEF(type) static type __pascal
```
#define JMETHOD(type,methodname,arglist)  \
  type (_far _pascal *methodname) arglist
For a 32-bit DLL you may want something like
#define GLOBAL(type)__declspec(dllexport) type
#define EXTERN(type)extern __declspec(dllexport) type
Although not all the GLOBAL routines are actually intended to be called by
the application, the performance cost of making them all DLL entry points is
negligible.

The unmodified IJG library presents a very C-specific application interface,
so the resulting DLL is only usable from C or C++ applications. There has
been some talk of writing wrapper code that would present a simpler interface
usable from other languages, such as Visual Basic. This is on our to-do list
but hasn't been very high priority --- any volunteers out there?

Microsoft Windows, Borland C:

The provided jconfig.bcc should work OK in a 32-bit Windows environment,
but you'll need to tweak it in a 16-bit environment (you'd need to define
NEED_FAR_POINTERS and MAX_ALLOC_CHUNK). Beware that makefile.bcc will need
alteration if you want to use it for Windows --- in particular, you should
use jmennobs.c not jmemdos.c under Windows.

Borland C++ 4.5 fails with an internal compiler error when trying to compile
jdmerge.c in 32-bit mode. If enough people complain, perhaps Borland will fix
it. In the meantime, the simplest known workaround is to add a redundant
definition of the variable range_limit in h2v1_merged_upsample(), at the head
of the block that handles odd image width (about line 268 in v6 jdmerge.c):
/* If image width is odd, do the last output column separately */
if (cinfo->output_width & 1) {
  register JSAMPLE * range_limit = cinfo->sample_range_limit; /* ADD THIS */
  cb = GETJSAMPLE(*inptr1);
}
Pretty bizarre, especially since the very similar routine h2v2_merged_upsample
doesn't trigger the bug.
Recent reports suggest that this bug does not occur with "bcc32a" (the
Pentium-optimized version of the compiler).

Another report from a user of Borland C 4.5 was that incorrect code (leading
to a color shift in processed images) was produced if any of the following
optimization switch combinations were used:
-Ot -Og
-Ot -Op
-Ot -Om
So try backing off on optimization if you see such a problem. (Are there
several different releases all numbered "4.5"??)
Microsoft Windows, Microsoft Visual C++:

jconfig.vc should work OK with any Microsoft compiler for a 32-bit memory model. makefile.vc is intended for command-line use. (If you are using the Developer Studio environment, you may prefer the DevStudio project files; see below.)

IJK JPEG 7 adds extern "C" to jpeglib.h. This avoids the need to put extern "C" [...] around #include "jpeglib.h" in your C++ application. You can also force VC++ to treat the library as C++ code by renaming all the *.c files to *.cpp (and adjusting the makefile to match). In this case you also need to define the symbol DONT_USE_EXTERN_C in the configuration to prevent jpeglib.h from using extern "C".

Microsoft Windows, Microsoft Visual C++ 6 Developer Studio:

We include makefiles that should work as project files in Developer Studio 6.0 or later. There is a library makefile that builds the IJK library as a static Win32 library, and application makefiles that build the sample applications as Win32 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)

To use:
1. Open the command prompt, change to the main directory and execute the command line
   NMAKE /f makefile.vs setup-vc6
   This will move jconfig.vc to jconfig.h and makefiles to project files. (Note that the renaming is critical!)
2. Open the workspace file jpeg.dsw, build the library project.
   (If you are using Developer Studio more recent than 6.0, you'll probably get a message saying that the project files are being updated.)
3. Open the workspace file apps.dsw, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vs test-build
5. Move the application .exe files from `app`\Release to an appropriate location on your path.

Microsoft Windows, Visual Studio 2017 (v15):

We include makefiles that should work as project files in Visual Studio 2017 (v15) or later. There is a library makefile that builds the IJK library as a static Win32 library, and application makefiles that build the sample applications as Win32 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)
To use:
1. Open the Developer Command Prompt, change to the main directory and execute the command line
   NMAKE /f makefile.vs  setup-v15
   This will move jconfig.vc to jconfig.h and makefiles to project files.
   (Note that the renaming is critical!)
2. Open the solution file jpeg.sln, build the library project.
   a) If you are using Visual Studio more recent than 2017 (v15), you’ll probably get a message saying that the project files are being updated.
   b) If necessary, open the project properties and adapt the Windows Target Platform Version in the Configuration Properties, General section; we support the latest version at the time of release.
3. Open the solution file apps.sln, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vs  test-build
5. Move the application .exe files from `app`\Release to an appropriate location on your path.

OS/2, Borland C++:

Watch out for optimization bugs in older Borland compilers; you may need to back off the optimization switch settings. See the comments in makefile.bcc.

SGI:

On some SGI systems, you may need to set "AR2= ar -ts" in the Makefile.
If you are using configure, you can do this by saying
./configure RANLIB='ar -ts'
This change is not needed on all SGIs. Use it only if the make fails at the stage of linking the completed programs.

On the MIPS R4000 architecture (Indy, etc.), the compiler option "-mips2" reportedly speeds up the float DCT method substantially, enough to make it faster than the default int method (but still slower than the fast int method). If you use -mips2, you may want to alter the default DCT method to be float. To do this, put "#define JDCT_DEFAULT JDCT_FLOAT" in jconfig.h.

VMS:

On an Alpha/VMS system with MMS, be sure to use the "/Marco=Alpha=1" qualifier with MMS when building the JPEG package.
VAX/VMS v5.5-1 may have problems with the test step of the build procedure reporting differences when it compares the original and test images. If the error points to the last block of the files, it is most likely bogus and may be safely ignored. It seems to be because the files are Stream_LF and Backup/Compare has difficulty with the (presumably) null padded files. This problem was not observed on VAX/VMS v6.1 or AXP/VMS v6.1.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/install.txt

No license file was found, but licenses were detected in source scan.

/*
 * djpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG decompressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 * djpeg [options]  inputfile outputfile
 * djpeg [options]  [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 * djpeg [options]  -outfile outputfile  inputfile
 * works regardless of which command line style is used.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/djpeg.c

No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains decompression data source routines for the case of
  reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
  some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
  JOCTETs from 8-bit-wide elements on external storage. If char is wider
  than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
  * /opt/cola/permissions/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdatasrc.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Brader). This document is available in the IJG FTP archive (see

Block comments should be laid out thusly:

/*
 * Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
  then-part;
} else {
  else-part;
}
with two spaces per indentation level. (This indentation convention is
handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants
are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool `ansi2knr.c` (courtesy of Ghostscript). `ansi2knr` is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

```c
LOCAL(int *)
function_name (int a, char *b)
{
    code...
}
```

Note that each function definition must begin with `GLOBAL(type)`, `LOCAL(type)`, or `METHODDEF(type)`. These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

`ansi2knr` does not transform method declarations (function pointers in structs). We handle these with a macro `METHOD`, defined as

```c
#ifdef HAVE_PROTOTYPES
#define METHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define METHOD(type,methodname,arglist)  type (*methodname) ()
#endif
```

which is used like this:

```c
struct function_pointers {
    METHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    METHOD(void, term_entropy_encoder, (void));
};
```

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the `EXTERN` and `JPP` macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the `sizeof()` operator is defined to return int, yet `size_t` is defined as long. Needless to say,
this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
*/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * jcomapi.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
This file contains application interface routines that are used for both compression and decompression.

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcomapi.c

No license file was found, but licenses were detected in source scan.

/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * Modified 2009-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored in jconfig.h. On many machines, jconfig.h can be generated automatically or copied from one of the "canned" jconfig files that we supply. But if you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */

/*
 * These symbols indicate the properties of your machine or compiler.
 * #define the symbol if yes, #undef it if no.
 */

/* Does your compiler support function prototypes?
 * (If not, you also need to use ansi2knr, see install.txt)
 */
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char"?
 * How about "unsigned short"?
 */
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.
 * NOTE: be sure to define void such that "void *" represents the most general
/* pointer type, e.g., that returned by malloc(). */

/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword. */

/* #define const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/

#define CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file. */

#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file. */

#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/

#define NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead.
*/

#define NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
* unless you are using a large-data memory model or 80386 flat-memory mode.
* On less brain-damaged CPUs this symbol must not be defined.
* (Defining this symbol causes large data structures to be referenced through
* "far" pointers and to be allocated with a special version of malloc.)
*/

#define NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/

#define NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
*
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get “missing structure definition” warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not enum, on Windows systems.
*/
#ifdef _WIN32
#ifndef __RPCNDR_H__	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#ifndef FALSE		/* in case these macros already exist */
#define FALSE	0	/* values of boolean */
#endif
#ifndef TRUE
#define TRUE	1
#endif
#define HAVE_BOOLEAN	/* prevent jmorecfg.h from redefining it */
#endif

/*
 * The following options affect code selection within the JPEG library,
 * but they don't need to be visible to applications using the library.
 * To minimize application namespace pollution, the symbols won't be
 * defined unless JPEG_INTERNALS has been defined.
 */
#ifndef JPEG_INTERNALS
/* Define this if your compiler implements ">>" on signed values as a logical
 * (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
 * which is the normal and rational definition.
 */
#undef RIGHT_SHIFT_IS_UNSIGNED
#endif /* JPEG_INTERNALS */

/*
 * The remaining options do not affect the JPEG library proper,
 * but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
 * Other applications can ignore these.
 */
#ifdef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */

#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdout and optionally stdin. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpe.c or djpe.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpe/djpe.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jconfig.txt
No license file was found, but licenses were detected in source scan.

*/
* wrjpe.c
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
This file contains a very simple stand-alone application that inserts
user-supplied text as a COM (comment) marker in a JFIF file.
This may be useful as an example of the minimum logic needed to parse
JPEG markers.
*/

Found in path(s):
/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/wrjpgcom.c
No license file was found, but licenses were detected in source scan.

/*
* rdcolmap.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
*   each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/
/* Portions of this code are based on the PBMPLUS library, which is:
** Copyright (C) 1988 by Jef Poskanzer.
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
/opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdcolmap.c
No license file was found, but licenses were detected in source scan.

/*
 * jcprepct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling,
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler. See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcprepct.c

No license file was found, but licenses were detected in source scan.

/
 *
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jcparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jcapimin.c

No license file was found, but licenses were detected in source scan.

/*
 *
 * rdjpgcom.c
 *
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.

This file contains a very simple stand-alone application that displays
the text in COM (comment) markers in a JFIF file.
This may be useful as an example of the minimum logic needed to parse
JPEG markers.
*/

Found in path(s):
/*
 * jccoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for compression.
 * This controller is the top level of the JPEG compressor proper.
 * The coefficient buffer lies between forward-DCT and entropy encoding steps.
 */

Found in path(s):
/*
 * jdmarker.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2009-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmarker.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * jccolor.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2011-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains input colorspace conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jccolor.c
No license file was found, but licenses were detected in source scan.

/*
 * jdarith.c
 *
 * Developed 1997-2015 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains portable arithmetic entropy decoding routines for JPEG
 * Both sequential and progressive modes are supported in this single module.
 * Suspension is not currently supported in this module.
 */
* /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdarith.c
No license file was found, but licenses were detected in source scan.

* /
* wrtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains routines to write output images in Targa format.
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* 
* Based on code contributed by Lee Daniel Crocker.
* /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/wrtarga.c
No license file was found, but licenses were detected in source scan.

* /
* jpegtran.c
*
* Copyright (C) 1995-2013, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a command-line user interface for JPEG transcoding.
* It is very similar to cjpeg.c, and partly to djpeg.c, but provides
* lossless transcoding between different JPEG file formats. It also
* provides some lossless and sort-of-lossless transformations of JPEG data.
* /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jpegtran.c
No license file was found, but licenses were detected in source scan.

* /
* rdppm.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*  
* This file contains routines to read input images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
*  
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
* /

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
** /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/rdppm.c
No license file was found, but licenses were detected in source scan.

/
* jaricom.c
*
* Developed 1997-2011 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*  
* This file contains probability estimation tables for common use in
* arithmetic entropy encoding and decoding routines.
*  
* This data represents Table D.3 in the JPEG spec (D.2 in the draft),
* ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81, and Table 24
* /

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jaricom.c
No license file was found, but licenses were detected in source scan.

/ *
* jutils.c
* 
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
* */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jutils.c
No license file was found, but licenses were detected in source scan.

/ *
* jmemnobs.c
* 
* Copyright (C) 1992-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file provides a really simple implementation of the system-
* dependent portion of the JPEG memory manager. This implementation
* assumes that no backing-store files are needed: all required space
* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is ignored by this implementation.
* */

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jmemnobs.c
No license file was found, but licenses were detected in source scan.

/ *
* cerror.h
* 
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file defines the error and message codes for the cjpeg/djpeg
* applications. These strings are not needed as part of the JPEG library
* proper.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
*/

Found in path(s):
* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/cderror.h

No license file was found, but licenses were detected in source scan.

USING THE IJG JPEG LIBRARY

Copyright (C) 1994-2013, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application
program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the
JPEG library. Also see jpeglib.h (the include file to be used by application
programs) for full details about data structures and function parameter lists.
The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface
presented by IJG version 4 and earlier versions. The old design had several
inherent limitations, and it had accumulated a lot of cruft as we added
features while trying to minimize application-interface changes. We have
sacrificed backward compatibility in the version 5 rewrite, but we think the
improvements justify this.

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You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.

OVERVIEW
========

Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs,
ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:

* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support 8-bit to 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use different precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
    jpeg_start_compress(...);
while (scan lines remain to be written)
    jpeg_write_scanlines(...);
    jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from
in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
Data formats

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel). PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data
that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 9 to 12.
(See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details,
except that colormapped output is supported. (Again, a JPEG file is never
colormapped. But you can ask the decompressor to perform on-the-fly color
quantization to deliver colormapped output.) If you request colormapped
output then the returned data array contains a single JSAMPLE per pixel;
its value is an index into a color map. The color map is represented as
a 2-D JSAMPARRAY in which each row holds the values of one color component,
that is, colormap[i][j] is the value of the i'th color component for pixel
value (map index) j. Note that since the colormap indexes are stored in
JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE
(ie, at most 256 colors for an 8-bit JPEG library).

Compression details
---------------------
Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has
a bunch of subsidiary structures which are allocated via malloc(), but the
application doesn't control those directly.) This struct can be just a local
variable in the calling routine, if a single routine is going to execute the
whole JPEG compression sequence. Otherwise it can be static or allocated
from malloc().

You will also need a structure representing a JPEG error handler. The part
of this that the library cares about is a "struct jpeg_error_mgr". If you
are providing your own error handler, you'll typically want to embed the
jpeg_error_mgr struct in a larger structure; this is discussed later under
"Error handling". For now we'll assume you are just using the default error
handler. The default error handler will print JPEG error/warning messages
on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into
the JPEG object's "err" field, and then call jpeg_create_compress() to
initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

image_width Width of image, in pixels
image_height Height of image, in pixels
input_components Number of color channels (samples per pixel)
in_color_space

Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```c
  cinfo.image_width = Width; /* image width and height, in pixels */
  cinfo.image_height = Height;
  cinfo.input_components = 3; /* # of color components per pixel */
  cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

  jpeg_set_defaults(&cinfo);
  /* Make optional parameter settings here */

  jpeg_start_compress(...) ;
```

After you have established the data destination and set all the necessary source image info and other parameters, call jpeg_start_compress() to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```c
  jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.
Once you have called \texttt{jpeg\_start\_compress()}, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. \texttt{while (scan lines remain to be written)}
\texttt{jpeg\_write\_scanlines(...);} \texttt{\textbackslash /}

Now write all the required image data by calling \texttt{jpeg\_write\_scanlines()} one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application \texttt{cjpeg}.

The library maintains a count of the number of scanlines written so far in the \texttt{next\_scanline} field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next\_scanline < cinfo.image\_height")".

Code for this step depends heavily on the way that you store the source data. \texttt{example.c} shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

\begin{verbatim}
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next\_scanline < cinfo.image\_height) {
    row_pointer[0] = & image_buffer[cinfo.next\_scanline * row_stride];
    jpeg\_write\_scanlines(&cinfo, row_pointer, 1);
}
\end{verbatim}

\texttt{jpeg\_write\_scanlines()} returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:

* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun
will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen. In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination. jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which
works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases.  (Actually, these routines are equivalent except for the declared type of the passed pointer.  To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details

----------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above,
except that the object is a "struct jpeg_decompress_struct" and you
call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

```c
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for
both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data
source" module. The library includes one data source module which knows how
to read from a stdio stream. You can use your own source module if you want
to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream
beforehand. Typical code for this step looks like:

```c
FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);
```

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged.
On non-Unix systems the stdio library may perform newline translation or
otherwise corrupt binary data. To suppress this behavior, you may need to use
a "b" option to fopen (as shown above), or use setmode() or another routine to
put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that
has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and
jpeg_finish_decompress(). If you wish to read a series of JPEG images from
a single source file, you should repeat the jpeg_read_header() to
jpeg_finish_decompress() sequence without reinitializing either the JPEG
object or the data source module; this prevents buffered input data from
being discarded.
3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normalstdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

```
jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression.
```

For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

```
5. jpeg_start_decompress(...);
```
Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

```c
jpeg_start_decompress(&cinfo);
```

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

- `output_width`: image width and height, as scaled
- `output_height`: image width and height
- `out_color_components`: # of color components in out_color_space
- `output_components`: # of color components returned per pixel
- `colormap`: the selected colormap, if any
- `actual_number_of_colors`: number of entries in colormap

`output_components` is 1 (a colormap index) when quantizing colors; otherwise it equals `out_color_components`. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need `output_width * output_components` JSAMPLEs per scanline in your output buffer, and a total of `output_height` scanlines will be returned.

Note: if you are using the JPEG library’s internal memory manager to allocate data buffers (as djpeg does), then the manager’s protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
   jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines()
will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg_read_scanlines() repeatedly until the whole image has been read.

7. jpeg Finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case
return to step 2 or 3 as appropriate. If you do not change the source
manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling
jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of
destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or
jpeg_destroy() if you don't need the JPEG object any more, or
jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object.
The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc
-----------------------------------------------

Applications using the JPEG library should include the header file jpeglib.h
to obtain declarations of data types and routines. Before including
jpeglib.h, include system headers that define at least the typedefs FILE and
size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on
older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also
include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are
installing the JPEG header files in a system directory, you will want to
install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program
is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix
machines) and reference it at your link step. If you use only half of the
library (only compression or only decompression), only that much code will be
included from the library, unless your linker is hopelessly brain-damaged.
The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes
you, we don't really recommend it. The trouble with shared libraries is that
at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES
=================

Compression parameter selection
-------------------------------

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use
this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.
jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl,
    const unsigned int *basic_table,
    int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).
CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

boolean arith_code
If TRUE, use arithmetic coding.
If FALSE, use Huffman coding.

int block_size
Set DCT block size. All N from 1 to 16 are possible.
Default is 8 (baseline format).
Larger values produce higher compression,
smaller values produce higher quality.
An exact DCT stage is possible with 1 or 2.
With the default quality of 75 and default Luminance qtable
the DCT+Quantization stage is lossless for value 1.
Note that values other than 8 require a SmartScale capable decoder,
introduced with IJG JPEG 8. Setting the block_size parameter for compression works with version 8c and later.

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the supported scaling ratios are M/N with all N from 1 to 16, where M is the destination DCT size, which is 8 by default (see block_size parameter above). (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.)

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_colorspace() if you want to change these.

J_COLOR_TRANSFORM color_transform
Internal color transform identifier, writes LSE marker if nonzero (requires decoder with inverse color transform support, introduced with IJG JPEG 9).
Two values are currently possible: JCT_NONE and JCT_SUBTRACT_GREEN. Set this value for lossless RGB application *before* calling jpeg_set_colorspace(), because entropy table assignment in jpeg_set_colorspace() depends on color_transform.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks.
Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.

NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

boolean do_fancy_downsampling
If TRUE, use direct DCT scaling with DCT size > 8 for downsampling of chroma components.
If FALSE, use only DCT size <= 8 and simple separate downsampling.
Default is TRUE.
For better image stability in multiple generation compression cycles it is preferable that this value matches the corresponding do_fancy_upsampling value in decompression.

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker.
jpeg_set_defaults() initializes the version to 1.01 (major=minor=1).
You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
Linear quantization scaling factors (percentage, initialized 100) for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] fields are the "linear" scales, so you have to convert from user-defined ratings via jpeg_quality_scaling(). Here is an example code which corresponds to cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: You must also set 1x1 subsampling for efficient separate color quality selection, since the default value used by library is 2x2:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;
Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by jpeg_set_defaults(). If you need to allocate more table structures, jpeg_alloc_huff_table() may be used.

Note that optimal Huffman tables can be computed for an image by setting optimize_coding, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by jpeg_start_compress(). You can also call jpeg_calc_jpeg_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width Actual dimensions of output image.
JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
---------------------------------

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image_width
JDIMENSION image_height
int num_components
J_COLOR_SPACE jpeg_color_space
boolean saw_JFIF_marker
UINT8 JFIF_major_version
UINT8 JFIF_minor_version
UINT8 density_unit
UINT16 X_density
UINT16 Y_density
boolean saw_Adobe_marker
UINT8 Adobe_transform

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:
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J_COLOR_SPACE out_color_space
Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Currently, the supported scaling ratios are M/N with all M from 1 to 16, where N is the source DCT size, which is 8 for baseline JPEG. (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) The values are initialized by jpeg_read_header() with the source DCT size. For baseline JPEG this is 8/8. If you change only the scale_num value while leaving the other unchanged, then this specifies the DCT scaled size to be applied on the given input. For baseline JPEG this is equivalent to M/8 scaling, since the source DCT size for baseline JPEG is 8. Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE no dithering: fast, very low quality
JDITHER_ORDERED ordered dither: moderate speed and quality
JDITHER_FS Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented
only in the single-pass, standard-colormap case. If you ask for
ordered dither when two_pass_quantize is TRUE or when you supply
an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next
two fields. colormap is set to NULL by jpeg_read_header(). The application
can supply a color map by setting colormap non-NULL and setting
actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress()
selects a suitable color map and sets these two fields itself.
[Implementation restriction: at present, an externally supplied colormap is
only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components
rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage
pointed to by this field is released by jpeg_finish_decompress().
Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same
as described above for compression.

boolean do_fancy_upsampling
If TRUE, use direct DCT scaling with DCT size > 8 for upsampling
of chroma components.
If FALSE, use only DCT size <= 8 and simple separate upsampling.
Default is TRUE.
For better image stability in multiple generation compression cycles
it is preferable that this value matches the corresponding
do_fancy_downsampling value in compression.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding
progressive JPEG files; if FALSE, not. Default is TRUE. Early
progression stages look "fuzzy" with smoothing, "blocky" without.
In any case, block smoothing ceases to be applied after the first few
AC coefficients are known to full accuracy, so it is relevant only
when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *before* jpeg_start_decompress().

JDIMENSION output_width Actual dimensions of output image.
JDIMENSION output_height
int out_color_components Number of color components in out_color_space.
int output_components Number of color components returned.
int rec_outbuf_height Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4).
If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces
---------------------

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing JPEG file interchange format standards specify YCbCr or GRAYSCALE data (JFIF version 1), GRAYSCALE, RGB, YCbCr, CMYK, or YCCK (Adobe), or BG_RGB or BG_YCC (big gamut color spaces, JFIF version 2). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB <=> YCbCr and CMYK <=> YCCK). It can also deal with data of an unknown
For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colspace(). Of course you must select a supported transformation.

jccolor.c currently supports the following transformations:

- RGB => YCbCr
- RGB => GRAYSCALE
- RGB => BG_YCC
- YCbCr => GRAYSCALE
- YCbCr => BG_YCC
- CMYK => YCCK

Plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB, BG_RGB => BG_RGB, YCbCr => YCbCr, BG_YCC => BG_YCC, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The file interchange format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the interchange standards. jpeg_set_colspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space. For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for jpeg_set_colspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space. jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports

- YCbCr => RGB
- YCbCr => GRAYSCALE
BG_YCC => RGB
BG_YCC => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCC => CMYK

as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an
application can force grayscale JPEGs to look like color JPEGs if it only
wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data
(it weights distances appropriately for RGB colors). You'll need to modify
the code if you want to use it for non-RGB output color spaces. Note that
jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG
files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect.
This is arguably a bug in Photoshop, but if you need to work with Photoshop
CMYK files, you will have to deal with it in your application. We cannot
"fix" this in the library by inverting the data during the CMYK<=>YCC
transform, because that would break other applications, notably Ghostscript.
Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK
data in the same inverted-YCCK representation used in bare JPEG files, but
the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in
EPS/JPEG files, and will omit the PS-level inversion. (But the data
polarity used in bare JPEG files will not change in 3.0.) In either case,
the JPEG library must not invert the data itself, or else Ghostscript would
read these EPS files incorrectly.

Error handling
--------------

When the default error handler is used, any error detected inside the JPEG
routines will cause a message to be printed on stderr, followed by exit().
You can supply your own error handling routines to override this behavior
and to control the treatment of nonfatal warnings and trace/debug messages.
The file example.c illustrates the most common case, which is to have the
application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through
the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a
damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating
the importance of the message; you can control the verbosity of the
program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere. Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages somewhere other than stderr. Note that this method does not know how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info stored in cinfo->err. This method is called by output_message. Few applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so,
calls output_message. The main reason for overriding this method would be to abort on warnings. msg_level is -1 for warnings, 0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field err->jpeg_message_table. The messages are numbered from 0 to err->last_jpeg_message, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German) by changing the message table pointer. See jerror.h for the default texts. CAUTION: this table will almost certainly change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer err->addon_message_table and the message numbers err->first_addon_message and err->last_addon_message. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications cjpeg/djpeg for an example of using addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h: ERREXITn(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the error handler struct, then invoke the error_exit() or emit_message() method. The variants of each macro are for varying numbers of additional parameters. The additional parameters are inserted into the generated message using standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.
In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```c
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;      /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

- `init_destination (j_compress_ptr cinfo)`
  Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.

- `empty_output_buffer (j_compress_ptr cinfo)`
  This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped.
  free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

- `term_destination (j_compress_ptr cinfo)`
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional framishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer;         /* # of bytes remaining in buffer */

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any data is actually read. Unlike init_destination(), it may leave bytes_in_buffer set to 0 (in which case a fill_input_buffer() call will occur immediately).

fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more data is wanted. In typical applications, it should read fresh data into the buffer (ignoring the current state of next_input_byte and bytes_in_buffer), reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. bytes_in_buffer MUST be set to a positive value if TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this mode is discussed in the next section).
skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should be advanced over num_bytes input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it’s not clear that being smart is worth much trouble; large skips are uncommon. bytes_in_buffer may be zero on return.
A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, jpeg_resync_to_restart(). However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the read_restart_marker() and jpeg_resync_to_restart() routines in jdmrk.c if you think you’d like to implement your own resync procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it’s probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.
I/O suspension

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least
several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift
this data down to the start of your work buffer and then load more data after
it. Again, this behavior means that a several-Kbyte work buffer is essential
for decent performance; furthermore, you should load a reasonable amount of
new data before resuming decompression. (If you loaded, say, only one new
byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a
suspension scenario. This routine is NOT granted the ability to suspend the
decompressor; it can decrement bytes_in_buffer to zero, but no more. If the
requested skip distance exceeds the amount of data currently in the input
buffer, then skip_input_data() must set bytes_in_buffer to zero and record the
additional skip distance somewhere else. The decompressor will immediately
call fill_input_buffer(), which should return FALSE, which will cause a
suspension return. The surrounding application must then arrange to discard
the recorded number of bytes before it resumes loading the input buffer.
(Yes, this design is rather baroque, but it avoids complexity in the far more
common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning
and insert dummy EOI markers just as a non-suspending data source manager
would do. This can be handled either in the surrounding application logic or
within fill_input_buffer(); the latter is probably more efficient. If
fill_input_buffer() knows that no more data is available, it can set the
pointer/count to point to a dummy EOI marker and then return TRUE just as
though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers;
instead it will backtrack to the start of the marker and reprocess the whole
marker next time. Hence the input buffer must be large enough to hold the
longest standard marker in the file. Standard JPEG markers should normally
not exceed a few hundred bytes each (DHT tables are typically the longest).
We recommend at least a 2K buffer for performance reasons, which is much
larger than any correct marker is likely to be. For robustness against
damaged marker length counts, you may wish to insert a test in your
application for the case that the input buffer is completely full and yet
the decoder has suspended without consuming any data --- otherwise, if this
situation did occur, it would lead to an endless loop. (The library can't
provide this test since it has no idea whether "the buffer is full", or
even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn
markers, but these are handled specially: they are either saved into allocated
memory, or skipped over by calling skip_input_data(). In the former case,
suspension is handled correctly, and in the latter case, the problem of
buffer overrun is placed on skip_input_data's shoulders, as explained above.
Note that if you provide your own marker handling routine for large markers,
you should consider how to deal with buffer overflow.
Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support
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Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library.
If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check
for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode
---------------------

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

```c
jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE; /* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output(); /* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output(); /* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```

This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input
file is to be displayed; the scans are numbered starting at 1 for this
purpose. (You can use a loop counter starting at 1 if you like, but using
the library's input scan counter is easier.) The library automatically reads
data as necessary to complete each requested scan, and jpeg_finish_output()
advances to the next scan or end-of-image marker (hence input_scan_number
will be incremented by the time control arrives back at jpeg_start_output()).
With this technique, data is read from the input file only as needed, and
input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the
buffered image remains available; it can be read additional times by
repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output()
sequence. For example, a useful technique is to use fast one-pass color
quantization for display passes made while the image is arriving, followed by
a final display pass using two-pass quantization for highest quality. This
is done by changing the library parameters before the final output pass.
Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such
until after it is read, so a post-input display pass is the best approach if
you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release
the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can
cause the library to decode input data in advance of what's needed to produce
output. This is done by calling the routine jpeg_consume_input().
The return value is one of the following:
JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
JPEG_REACHED_EOI: reached the EOI marker (end of image)
JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
JPEG_SUSPENDED: suspended before completing any of the above
(JPEG_SUSPENDED can occur only if a suspending data source is used.) This
routine can be called at any time after initializing the JPEG object. It
reads some additional data and returns when one of the indicated significant
events occurs. (If called after the EOI marker is reached, it will
immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input()
whenever the output processing overtakes the input; thus, simple lockstep
display requires no direct calls to jpeg_consume_input(). But by adding
calls to jpeg_consume_input(), you can absorb data in advance of what is
being displayed. This has two benefits:
* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the cinfo.output_scan_number field. The library's output processing calls jpeg_consume_input() whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.)

When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out.
If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
do {
   absorb any waiting input by calling jpeg_consume_input()
   final_pass = jpeg_input_complete(&cinfo);
   adjust output decompression parameters if required
   jpeg_start_output(&cinfo, cinfo.input_scan_number);
   ...
   jpeg_finish_output()
} while (! final_pass);
```

rather than quitting as soon as `jpeg_input_complete()` returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
for (;;) {
   absorb any waiting input by calling jpeg_consume_input()
   jpeg_start_output(&cinfo, cinfo.input_scan_number);
   ...
   jpeg_finish_output()
   if (jpeg_input_complete(&cinfo) &&
       cinfo.input_scan_number == cinfo.output_scan_number)
      break;
}
```

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code...
from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().
In this situation you may wish to abort the current display pass and start a
new one using the newly arrived information. To do so, just call
jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete
scan arrives during an output pass; this can be detected by noting
JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This
idea should be employed with caution, however, since the display process
might never get to the bottom of the image before being aborted, resulting
in the lower part of the screen being several passes worse than the upper.
In most cases it's probably best to abort an output pass only if the whole
file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using
the current input scan number for the output target scan number; if a
higher-quality final pass is to be done, it should be started (aborting any
incomplete output pass) as soon as the end of file is received. However,
many other strategies are possible. For example, the application can examine
the parameters of the current input scan and decide whether to display it or
not. If the scan contains only chroma data, one might choose not to use it
as the target scan, expecting that the scan will be small and will arrive
quickly. To skip to the next scan, call jpeg_consume_input() until it
returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher
number as the target scan for jpeg_start_output(); but that method doesn't
let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and
thus never suspends. An application that uses input suspension with
buffered-image mode must be prepared for suspension returns from these
routines:
* jpeg_start_output() performs input only if you request 2-pass quantization
  and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it
  was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan,
  up to the end of the file or the SOS marker that begins another scan.
  (But it reads no input if jpeg_consume_input() has already reached
  the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can
  suspend if the end hasn't already been reached (as can be tested by
calling jpeg_input_complete()).
jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress()
all return TRUE if they completed their tasks, FALSE if they had to suspend.
In the event of a FALSE return, the application must load more input data
and repeat the call. Applications that use non-suspending data sources need
not check the return values of these three routines.
It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. **ONLY THE FOLLOWING parameter changes are allowed after jpeg_start_decompress() is called:**

* **dct_method** can be changed before each call to jpeg_start_output().
  For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.

* **dither_mode** can be changed before each call to jpeg_start_output();
  of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial max_memory_to_use specification to be exceeded, which in the worst case would result in an out-of-memory failure.

* **do_block_smoothing** can be changed before each call to jpeg_start_output().
  This setting is relevant only when decoding a progressive JPEG image.
  During the first DC-only scan, block smoothing provides a very “fuzzy” look instead of the very “blocky” look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.

* Color quantization mode can be changed under the rules described below.
  You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display.

The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.

2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.

3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.
   (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

**IMPORTANT:** because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did
not require this, the max_memory_to_use setting would be a complete fiction.)
You do this by setting one or more of these three cinfo fields to TRUE:

- **enable_1pass_quant** Fixed color cube colormap
- **enable_external_quant** Externally-supplied colormap
- **enable_2pass_quant** Two-pass custom colormap

All three are initialized FALSE by jpeg_read_header(). But

jpeg_start_decompress() automatically sets TRUE the one selected by the
current two_pass_quantize and colormap settings, so you only need to set the
enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you
can change to any enabled quantization method by setting two_pass_quantize
and colormap properly just before calling jpeg_start_output(). The following
special rules apply:
1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass
   or 2-pass mode from a different mode, or when you want the 2-pass
   quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external
   colormap than was used on the prior pass, you must call
   jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass,
you should not do either of these things. This will save some nontrivial
switchover costs.
(These requirements exist because cinfo.colormap will always be non-NULL
after completing a prior output pass, since both the 1-pass and 2-pass
quantizers set it to point to their output colormaps. Thus you have to
do one of these two things to notify the library that something has changed.
Yup, it's a bit klugy, but it's necessary to do it this way for backwards
compatibility.)

Note that in buffered-image mode, the library generates any requested colormap
during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the
buffered image to determine the optimum color map; it therefore may take a
significant amount of time, whereas ordinarily it does little work. The
progress monitor hook is called during this pass, if defined. It is also
important to realize that if the specified target scan number is greater than
or equal to the current input scan number, jpeg_start_output() will attempt
to consume input as it makes this pass. If you use a suspending data source,
you need to check for a FALSE return from jpeg_start_output() under these
conditions. The combination of 2-pass quantization and a not-yet-fully-read
target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it
for all JPEG images, even single-scan ones. This will work, but it is
inefficient: there is no need to create an image-sized coefficient buffer for
single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

------------------------------------------------

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard
defines three classes of JPEG datastreams:
* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)
To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n];/* quant_ptr is JQUANT_TBL */
for (i = 0; i < 64; i++) {
```
/* Qtable[] is desired quantization table, in natural array order */
quant_ptr->quantval[i] = Qtable[i];
}

Code to load a fixed Huffman table is typically (for AC table "n"):

if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n];/* huff_ptr is JHUFF_TBL */
for (i = 1; i <= 16; i++) {
  /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
  huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
  /* symbols[] is the list of Huffman symbols, in code-length order */
  huff_ptr->huffval[i] = symbols[i];
}

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant QQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is:

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().
It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.
By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.)

For example, to write a user comment string pointed to by comment_text:

```c
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:

1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.

2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available...
input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call

\[\text{jpeg_save_markers}(\text{cinfo, marker_code, length_limit})\]

where \(\text{marker_code}\) is the marker type to save, JPEG_COM or JPEG_APP0+n.

(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than \(\text{length_limit}\) data bytes, only \(\text{length_limit}\) bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set \(\text{length_limit}\) to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting \(\text{length_limit}\) to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by following the \(\text{cinfo->marker_list}\) pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed \(\text{length_limit}\) for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library
If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
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Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same

will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.
To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of block_size valid samples, and there must be a multiple of block_size sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data. Furthermore, set cinfo->do_fancy_downsampling to FALSE if you want to use real downsampled data. (It is set TRUE by jpeg_set_defaults().)
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*block_size sample rows of each component. The passed num_lines value must be at least max_v_samp_factor*block_size, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.
The required dimensions of the supplied data can be computed for each component as

cinfo->comp_info[i].width_in_blocks*block_size samples per row 
cinfo->comp_info[i].height_in_blocks*block_size rows in image

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than block_size samples. An example may help here. Assume 2h2v downsampling of YCbCr data, that is

cinfo->comp_info[0].h_samp_factor = 2 for Y 
cinfo->comp_info[0].v_samp_factor = 2  
cinfo->comp_info[1].h_samp_factor = 1 for Cb  
cinfo->comp_info[1].v_samp_factor = 1  
cinfo->comp_info[2].h_samp_factor = 1 for Cr  
cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampling_width = 101 and width_in_blocks = 13 for Y, downsampling_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing. You must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Furthermore, set cinfo->do_fancy_upsampling = FALSE if you want to get raw downsamped data (it is set TRUE by jpeg_read_header()).
Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*block_size scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle
state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return
NULL if it is forced to suspend; a non-NULL return value indicates successful
completion. You need not test for a NULL return value when using a
non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the
decoder's coefficient arrays during a normal decode cycle in buffered-image
mode. This frammish might be useful for progressively displaying an incoming
image and then re-encoding it without loss. To do this, decode in buffered-
image mode as discussed previously, then call jpeg_read_coefficients() after
the last jpeg_finish_output() call. The arrays will be available for your use
until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide
the DCT coefficients stored in virtual block arrays. You can either pass
block arrays read from an input JPEG file by jpeg_read_coefficients(), or
allocate virtual arrays from the JPEG compression object and fill them
yourself. In either case, jpeg_write_coefficients() is substituted for
jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is
* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object
jpeg_write_coefficients() is passed a pointer to an array of virtual block
array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before
jpeg_write_coefficients() is called. A side-effect of
jpeg_write_coefficients() is to realize any virtual arrays that have been
requested from the compression object's memory manager. Thus, when obtaining
the virtual arrays from the compression object, you should fill the arrays
after calling jpeg_write_coefficients(). The data is actually written out
when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes
the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization
tables and sampling factors match the way the data was encoded, or the
resulting file will be invalid. For transcoding from an existing JPEG file,
we recommend using jpeg_copy_critical_parameters(). This routine initializes
all the compression parameters to default values (like jpeg_set_defaults()),
then copies the critical information from a source decompression object.
The decompression object should have just been used to read the entire
JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().
jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg_suppress_tables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
long pass_counter;/* work units completed in this pass */
long pass_limit;/* total number of work units in this pass */
int completed_passes;/* passes completed so far */
int total_passes;/* total number of passes expected */
During any one pass, pass_counter increases from 0 up to (not including)
pass_limit; the step size is usually but not necessarily 1. The pass_limit
value may change from one pass to another. The expected total number of
passes is in total_passes, and the number of passes already completed is in
completed_passes. Thus the fraction of work completed may be estimated as
completed_passes + (pass_counter/pass_limit)
-------------------------------------------------------------
total_passes
ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it
depends on the number of scans in the JPEG file, which isn't always known in
advance. The computed fraction-of-work-done may jump suddenly (if the library
discovers it has overestimated the number of scans) or even decrease (in the
opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work
estimate is likely to be completely unhelpful, because the library has no way
to know how many output passes will be demanded of it. Currently, the library
sets total_passes based on the assumption that there will be one more output
pass if the input file end hasn't yet been read (jpeg_input_complete() isn't
TRUE), but no more output passes if the file end has been reached when the
output pass is started. This means that total_passes will rise as additional
output passes are requested. If you have a way of determining the input file
size, estimating progress based on the fraction of the file that's been read
will probably be more useful than using the library's value.

Memory management

This section covers some key facts about the JPEG library's built-in memory
manager. For more info, please read structure.txt's section about the memory
manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the
memory manager. If necessary, you can replace the "back end" of the memory
manager to control allocation yourself (for example, if you don't want the
library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG
object is destroyed. Most data is allocated "per image" and is freed by
jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the
memory manager yourself to allocate structures that will automatically be
freed at these times. Typical code for this is
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object.
Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmynobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmynname.c or jmyndos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmynbos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmynobs.c, and shouldn't be necessary with jmynansi.c or jmynmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
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Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and
JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:

1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.

2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.

3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coeficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.

4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 9-bit to 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The “fixed-size” data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
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A number of compile-time options are available by modifying jmorecfg.h.

The IJG code currently supports 8-bit to 12-bit sample data precision by defining BITS_IN_JSAMPLE as 8, 9, 10, 11, or 12.
Note that a value larger than 8 causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjjpeg and djpeg can support deeper than 8-bit data only for PPM and GIF file formats; you must disable the other file formats to compile a 9-bit to 12-bit cjjpeg or djpeg. (install.txt has more information about that.) Run-time selection and conversion of data precision are currently not supported and may be added later. Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values. (If you need to include an 8-bit library and a 9-bit to 12-bit library for compression or decompression in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and the 9-bit to 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that the standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 9-bit to 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int. You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the
message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don’t need trace capability anyway, right?

Portability considerations

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we’d appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that:
- char is at least 8 bits wide
- short is at least 16 bits wide
- int is at least 16 bits wide
- long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djep do have ASCII dependencies in file-header manipulation; so does cjpeg’s select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory
manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
--------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table).

Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.
Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

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/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * This implementation should be more accurate than either of the integer
 * DCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point
 * implementation, accuracy is lost due to imprecise representation of the
 * scaled quantization values. However, that problem does not arise if
 * we use floating point arithmetic.
 */

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/*
 * jdtrans.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding decompression,
 * that is, reading raw DCT coefficient arrays from an input JPEG file.
 * The routines in jdapimin.c will also be needed by a transcoder.
 */

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 * wrbmp.c
 *
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 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Microsoft "BMP"
 * format (MS Windows 3.x and OS/2 1.x flavors).
 * Either 8-bit colormapped or 24-bit full-color format can be written.
 * No compression is supported.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * This code contributed by James Arthur Boucher.
 */

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/*
 * jinclude.h
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
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 */
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jconfig symbols, but on really weird systems
* you may have to edit this file.)
* 
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

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/*
 * jmemansi.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file provides a simple generic implementation of the system-
 * dependent portion of the JPEG memory manager. This implementation
 * assumes that you have the ANSI-standard library routine tmpfile().
 * Also, the problem of determining the amount of memory available
 * is shoved onto the user.
 */

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/*
 * jcapistd.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-compression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_compress, it will end up linking in the entire compressor.
 * We thus must separate this file from jcapimin.c to avoid linking the

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* whole compression library into a transcoder.
*/

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/ *
* transsupp.h
*
* Copyright (C) 1997-2013, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains declarations for image transformation routines and
* other utility code used by the jpegtran sample application. These are
* NOT part of the core JPEG library. But we keep these routines separate
* from jpegtran.c to ease the task of maintaining jpegtran-like programs
* that have other user interfaces.
* NOTE: all the routines declared here have very specific requirements
* about when they are to be executed during the reading and writing of the
* source and destination files. See the comments in transsupp.c, or see
* jpegtran.c for an example of correct usage.
*/

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/ *
* rdgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to read input images in GIF format.
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,  *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.
* We are required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated.
*/

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/*
* jerror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file defines the error and message codes for the JPEG library.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
* A set of error-reporting macros are defined too. Some applications using
* the JPEG library may wish to include this file to get the error codes
* and/or the macros.
*/

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/*
* jdapistd.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-decompression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_decompress, it will end up linking in the entire decompressor.
* We thus must separate this file from jdapimin.c to avoid linking the
* whole decompression library into a transcoder.
*/

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* /opt/cola/permissions/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jdapistd.c
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/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to output to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

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* /opt/cola/permits/1103638654_1611231513.28/0/jpeg-9c-tar-gz/jpeg-9c/jerror.c
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/ *
 * jdapimin.c
 *
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 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-decompression case or the
 * transcoding-only case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jdapistd.c. But also see jcomapi.c for routines
 * shared by compression and decompression, and jdtrans.c for the transcoding
 * case.
 */

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xml-commons/java/external/README.dom.txt $Id: README.dom.txt 477038 2006-11-20 04:40:36Z mrglavas $

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  jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4.1.51-final-sources-
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  jar/io/netty/handler/codec/compression/package-info.java
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  jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
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 */
A decoder that splits the received `ByteBuf`s dynamically by the
value of the length field in the message. It is particularly useful when you
decode a binary message which has an integer header field that represents the
length of the message body or the whole message.

```java
/**
 * @link LengthFieldBasedFrameDecoder has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 */

<3>2 bytes length field at offset 0, do not strip header</3>
```
* The value of the length field in this example is \texttt{12} (0x0C) which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
* 
* <h3>2 bytes length field at offset 0, strip header</h3>
* 
* Because we can get the length of the content by calling
* \{@link ByteBuf#readableBytes\}, you might want to strip the length
* field by specifying \texttt{initialBytesToStrip}. In this example, we
* specified \texttt{2}, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 2 (= the length of the Length field)
* 
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
* 
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
* 
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* \texttt{lengthAdjustment}. Because the length value in this example message
* is always greater than the body length by \texttt{2}, we specify \texttt{2}.
* as `<tt>lengthAdjustment</tt>` for compensation.
* `<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* `<b>lengthAdjustment</b>` = `<b>-2</b>` (= the length of the Length field)
* initialBytesToStrip = 0
*
* **BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)**
* +-----------------+-----------------
* | Length | Actual Content |
* +-----------------+-----------------
* | 0x000E | "HELLO, WORLD" |
* +-----------------+-----------------
* `<pre>
* **3 bytes length field at the end of 5 bytes header, do not strip header**
* `<pre>
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* `<pre>
* `<b>lengthFieldOffset</b>` = `<b>2</b>` (= the length of Header 1)
* `<b>lengthFieldLength</b>` = `<b>3</b>`
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* **BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)**
* +-----------------+-----------------+-----------------+
* | Header 1 | Length | Actual Content |
* +-----------------+-----------------+-----------------+
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----------------+-----------------+-----------------+
* `<pre>
* **3 bytes length field at the beginning of 5 bytes header, do not strip header**
* `<pre>
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra
* header into the frame length calculation.
* `<pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* `<b>lengthAdjustment</b>` = `<b>2</b>` (= the length of Header 1)
* initialBytesToStrip = 0
*
* **BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)**
* +-----------------+-----------------+-----------------+
* | Length | Header 1 | Actual Content |
* +-----------------+-----------------+-----------------+
2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field

This is a combination of all the examples above. There are the prepended
header before the length field and the extra header after the length field.
The prepended header affects the lengthFieldOffset and the extra
header affects the lengthAdjustment. We also specified a non-zero
initialBytesToStrip to strip the length field and the prepended
header from the frame. If you don't want to strip the prepended header, you
could specify initialBytesToSkip for initialBytesToStrip.

lengthFieldOffset = 1 (= the length of HDR1)
lengthFieldLength = 2
lengthAdjustment = 1 (= the length of HDR2)
initialBytesToStrip = 3 (= the length of HDR1 + LEN)

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
+--------------------------+--------------------------+
| HDR1 | Length | HDR2 | Actual Content |
| 0xCA | 0x10 | 0xFE | "HELLO, WORLD" |
+--------------------------+--------------------------+

Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into lengthAdjustment.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
 */

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* <p>
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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may be obtained from:

1.950 tiles-freemarker 3.0.8
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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* @param clientId Client ID of the service account from the console. May be null.
* @param clientEmail Client email address of the service account from the console.
* @param privateKey RSA private key object for the service account.
* @param privateKeyId Private key identifier for the service account. May be null.
* @deprecated Use { @link #newBuilder()} instead. This constructor will either be deleted or made
private in a later version.
*/

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* /opt/cola/permits/1135319754_1613496785.28/0/google-auth-library-oauth2-http-0-22-2-sources-jar/com/google/auth/oauth2/TokenVerifier.java

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kpropllog.c

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</div>
</td><td width="50%">
<div id="subprojectLogo">
<a href="http://jakarta.apache.org/cactus/"><img alt="Cactus Public License" src="./images/logocactus.gif"></a>
</div>
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<tr>
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</li>

<li class="menuItem">
<a href="/testedon.html" title="A list of containers that Cactus was tested on for each release.">Tested On...</a>
</li>

<li class="menuItem">
<a href="/resources/index.html" title="Links to Cactus related resources.">Resources</a>
</li>

<li class="menuItem">
</li>

<li class="menuItem">
<a href="/sitemap.html" title="List of all site resources.">Sitemap</a>
</li>

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</div>
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<meta name="author" content="Vincent Massol, Nicholas Lesiecki">
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<title>Contributors</title>
</head>
<body alink="#023264" vlink="#023264" link="#525D76" text="#000000">
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</td>
<td width="50%">
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</div>
</td>
</tr>
</table>
</body>
</html>
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- [Introduction](../participating/index.html)
- [Contributors](../participating/contributors.html)
- [Who Uses Cactus?](../participating/users.html)

### Docs for:

- v1.5
- v1.6dev

Last update: November 23 2003
<div class="section">
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<blockquote>
<p>All work on Cactus is contributed by volunteers whose only motivation is to help make Cactus work even better, both for themselves and for rest of the community.</p>
</blockquote>
<p>All contributions are welcome (see the <a href=".././participating/index.html" title="Information on participating in the development of Cactus.">Participating</a> page). The final decision of what becomes part of the official distribution is made by a group of <a href="#committers">Committers</a>. For more about Meritocracy, see the <a href="http://jakarta.apache.org/site/roles.html" title="">Management page</a> on the Apache Jakarta Website.</p>
</div>

<div class="section">
<h1>Source code contributors</h1>
<blockquote>
</blockquote>
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<li><a href="mailto:cmlenz@gmx.de" title="">Christopher Lenz</a></li>

</ul>

</blockquote>

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<a name="committers">
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<div class="section">
<h1>Committers</h1>

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<div class="section">
<h1>Special thanks</h1>
<blockquote>
<p>Thanks to all that have reported bugs or suggested ideas for Cactus.</p>
</blockquote>
</div>
Thanks to all that are participating to the Cactus Logo competition.

And, of course ...

Thanks to the Apache Jakarta project for accepting the donation of J2EEUnit (renamed Cactus), thus giving it a home and more importantly a family.

More about us

Vincent Massol -- Committer

I started designing internet applications in 1998, when I joined OCTO Technology, an Information System Architecture Consulting company, providing expert IT Solutions and Application Architects in the field of new technologies (Application Servers, EAI, Internet Relationship Management). Very soon, when working on customer projects, I introduced the concept of unit testing (using JUnit) as a good way of writing reliable code. Although it worked very well for unit testing "standard" java classes, it was much more difficult for classes that used container objects. Thus, I began developing a small generic framework to help unit test servlets. I improved the framework as I moved on, from customer to customer.
Until it was time to open source it! There were several drivers for that decision. As I spread the word about this framework within Octo, several octomen (and octowoman!) began using it and making modifications, and we ended up with several versions of it, making it difficult to synchronize them (although it was good for the evolutionary and darwinian side of it :)). Another good reason was that I wanted to have feedback from the open source community and wanted to get help to improve it. Also, it was good to be able to provide to our customers a framework that would continue to evolve and be maintained even after we left the project. The last reason, maybe the strongest, is that I have always been fond of the open source concept and as Octo is providing consulting services, it did not clash with our business model!

Thus, I moved the project to SourceForge and called it J2EEUnit. It did well and more and more persons were downloading, participating and using it.

Now, most Applications Servers, EAI solutions or IRM ones are providing an infrastructure on which to build applications. But once you’ve bought the server, you’re far from being finished ... There is the business logic code to write but there is also a lot of “glue” to implement. These are technical frameworks like a Controller of the MVC model, a logging framework, an XML-Java mapping one, application configuration, localization, templating, ... And usually these frameworks are not provided in the software package you buy. And even if they are (logging for example), they are not best of breed ones. For these frameworks, I have always been using open source solutions so far (Struts, Log4j, Ant, ...). Thus, I was lurking on Jakarta mailing-lists when I heard about a new project starting, called "Commons" which was to be a place where common components useful for several Jakarta projects would be found. I thought the idea of having a server-side java unit testing framework for Jakarta project (which are server side projects) was a good idea. I proposed to donate J2EEUnit to the Apache Software Foundation ... and I was lucky enough it was accepted! :-)

However, the J2EEUnit name was infringing on the Sun trademark on
J2EE so we had to change the name. It was changed to Cactus (see the Why the name? page for why this name). I found that in the move from SourceForge to Jakarta, I had found a new home for Cactus but, more importantly, I had found a family! The sense of Community is very strong on Jakarta. You can feel right away the atmosphere and see it is different from other places.

Then, thanks to Cactus growing community, our efforts were rewarded and Cactus was accepted as a Jakarta top level project, alongside the renowned Tomcat, Ant, Struts, ... waowww!

We are now busy improving Cactus and looking for help. The first step was to get Cactus up and running and demonstrate it worked and is useful. This step has been achieved (I hope :)) . The second step is now to build a community around Cactus and find persons who are willing to actively participate in the future of it. Unit testing has still not reached the mainstream of development practices but is in the process of doing so with increasing interest in lightweight (also called "Agile") methodologies like Extreme Programming (XP). On the other hand, java server side programming is becoming stronger every day. This is to say that there is a bright future ahead for Cactus and there is still everything to invent.

Although the project started as a one-man project, my goal has always been to relinquish as much as possible my hold on Cactus and make it a community-wide project. This is a work in progress and I am proud to say that I am no longer the only committer on the project and several persons have jumped aboard and are already helping shape Cactus future. Come and help us! :)

More info on my current open source involvements can be found here.
Nicholas Lesiecki
-- Committer

I became involved in Cactus while co-authoring Java Tools for Extreme Programming. (See our resources section for details.) While researching the framework I found myself making some suggestions on the project's mailing list. One thing led to another, and now I am graced with committer status.

I currently work as a Technical Team Lead at eBlox, Inc, a consulting and eCommerce application development shop. Right now I lead development of the company's flagship online catalog system, storeBlox. As such, I'm always working on new ways to test J2EE components, and so my involvement with Cactus is natural.

I'm excited about Cactus 2.0, which we hope will usher in the next phase in in-container testing by providing a more abstract framework for interacting with a wider variety of containers (EJB, JMS, etc.).
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<one line to give the program's name and a brief idea of what it does.>
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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.982.1 Available under license:
No license file was found, but licenses were detected in source scan.

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</project>
Generex: A Java Library for regex to Strings generation

Packaging: jar

License: The Apache Software License, Version 2.0

Developers:
- MIFRAH Youssef (mifmif.com@gmail.com)
- mkolisnyk (kolesnik.nickolay@gmail.com)

Parent:
- Group Id: org.sonatype.oss
- Artifact Id: oss-parent
- Version: 7

Properties:
- project.build.sourceEncoding: UTF-8
- maven.pmd.excludes: **/generated-sources/**

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- Developer Connection: scm:git:github.com:mifmif/Generex.git
- Url: https://github.com/mifmif/Generex.git

Ci Management:
- Url: https://travis-ci.org/mifmif/Generex/builds
- System: Travis

Notifiers:
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- Type: mail
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Found in path(s):
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml
No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/GenerexIterator.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java
1.983 eclipse-ui 3.6.1.M20100825 0800
1.983.1 Available under license:

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1.984.1 Available under license:

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1.985 jetty-http 9.4.20.v20190813
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* org.eclipse.jetty.orbit:eclpse.jdt.core
The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/DefaultAdvisorAdvisorAdapterRegistry.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/autoproxy/AbstractBeanFactoryBasedTargetSourceCreator.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/AopConfigException.java
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* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
jar/org/springframework/mail/SimpleMailMessage.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
jar/org/springframework/framework/mail/javamail/SmartMimeMessage.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/AbstractPropertyAccessors.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/support/ManagedSet.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
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\? lists Special Commands.
SPECIAL Commands begin with '+' and execute when you hit ENTER.
EDIT-BUFFER / HISTORY Commands begin with ':' and execute when you hit ENTER.
COMMENTS begin with '/*' and end with the very next '*/'.
PROCEDURAL LANGUAGE commands begin with '*' and end when you hit ENTER.
All other lines comprise SQL Statements.
SQL Statements are terminated by either a blank line (which moves the
statement into the edit buffer without executing) or a line ending with ';
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---

1.1007 bash 4.2.46 19.el7

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id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP
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id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aai3001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit, of course). Is it OK if I do that?

Chet Ramey

--
`The lyf so short, the craft so long to lerne.' - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey
>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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@c Local Variables:
c ispell-local-pdict: "ispell-dict"
c End:
From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP
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id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

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1.1008 dbunit 2.4.8

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1.1011 tomcat-servlet-api 8.0.43

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 *
Found in path(s):
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/Atom10Generator.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/RSS094Parser.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/module/ModuleImpl.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/module/DCSubjectImpl.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/rss/Cloud.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/SyndLinkImpl.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/module/SyModuleImpl.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/RSS20Generator.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/SyndFeed.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/WireFeedOutput.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/WireFeedInput.java
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* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/SyndFeedInput.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/module/DCModule.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/impl/ConverterForRSS091Netscape.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/ModuleParsers.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/impl/ConverterForAtom03.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/RSS10Parser.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/SyndContentImpl.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/FeedParsers.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/SyndContent.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/synd/Converter.java
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jar/com/sun/syndication/io/impl/RSS091NetscapeGenerator.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/module/impl/ModuleUtils.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/SyndFeedOutput.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/impl/equalsBean.java
* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/feed/rss/Guid.java
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* /opt/cola/permits/1135952932_1613641210.3/0/rome-1-0-sources-4-jar/com/sun/syndication/io/impl/XmlFixerReader.java

1.1019 mariadb 5.5.56-2.el7
1.1019.1 Available under license:

'#----------------------------------------------------------------------------BS_STVARS_040_01#----------------------------------------------------------------------------'
SELECT COUNT(@@GLOBAL_license);
COUNT(@@GLOBAL_license)
1
1 Expected
'#------------------------------------------------------------------------------BS_STVARS_040_02#------------------------------------------------------------------------------'  
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#------------------------------------------------------------------------------BS_STVARS_040_03#------------------------------------------------------------------------------'  
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected
'#------------------------------------------------------------------------------BS_STVARS_040_04#------------------------------------------------------------------------------'  
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
'#------------------------------------------------------------------------------BS_STVARS_040_05#------------------------------------------------------------------------------'  
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION.license;
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Version 2.1, February 1999

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--echo '#---------------------BS_STVARS_040_01----------------------#'
# Displaying default value
#USR_USER='default'
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_02----------------------#'
# Check if Value can set
--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SET @@GLOBAL.license=1;
--echo Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_03----------------------#'
# Check if the value in GLOBAL Table matches value in variable
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
--echo '---------------------BS_STVARS_040_04----------------------#
# Check if accessing variable with and without GLOBAL point to same variable #
#--------------------------------------------------------------------------------
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected

--echo '---------------------BS_STVARS_040_05----------------------#
# Check if license can be accessed with and without @@ sign #
#--------------------------------------------------------------------------------
SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'

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INTRODUCTION

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The GNU LGPL applies to the CUPS and CUPS Imaging libraries located in the "cups" and "filter" subdirectories of the CUPS source distribution and the files in the "test" subdirectory. The GNU GPL applies to the remainder of the CUPS distribution.

For those not familiar with the GNU GPL, the license basically allows you to:

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
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1.1039 slf4j 1.7.7

1.1039.1 Available under license:

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1.1040 star 1.5.2-13.el7

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#ident "@(#)i386-bsd-os-cc.rul1.15 13/11/04 "

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###########################
include $(SRCROOT)/$(RULESDIR)/rules.prg
###########################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPOPTS= -I$(ARCHDIR) -I$(OINCSDIR) $<INCDIRS:%=-I%> -I/sys $<INCDIRX:%=-I%>

KDEFINES= -DKERNEL -D_KERNEL

#COPTDYN=-fPIC
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a

#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=-Wl,-R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN= -shared -Wl,-soname,$(TARGET)
#LNDYNLIB= @$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$LDOPTDYN=
LNDYNLIB=

RANLIB= @echo "===> RANDOMIZING ARCHIVE "$@""; ranlib

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Support shell scripts for the Schily Makefile system (CDDL)
DEFAULTS/
Default files for the Schily Makefile system (CDDL)
DEFAULTS_ENG/
Default files for the Schily Makefile system (CDDL)
inc/
Support C-Files for the Schily Makefile system (CDDL)
include/
Support H-Files for the Schily Makefile system (CDDL)
RULES/
The main part of the Schily Makefilesystem (CDDL)
TARGETS/
Slot support for the Schily Makefile system (CDDL)
TEMPLATES/
Template support for the Schily Makefile system (CDDL)

For more information on the CDDL read the file CDDL.Schily.txt
For more information on the GPL read the file GPL-2.0.txt
For more information on the LGPL read the file LGPL-2.1.txt
#ident ":@(#Defaults.bsd-os1.5 13/11/04"

###########################################################################
# global definitions for BSD/OS Systems
#
### Compiler stuff

DEFCCOM=cc
DEFCCOM=gcc

### Link mode for libraries that are part of the makefile system:

DEFLINKMODE=static

### If the next line is commented out, compilation is done with max warn level
### If the next line is uncommented, compilation is done with minimal warnings

CWARNOPTS=

DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=

LDPATH=-L/opt/schily/lib
RUNPATH=-Rs(INS_BASE)/lib -R/opt/schily/lib -Rs($OLIBSDIR)Will probably not work

### Installation config stuff

INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/
DEFUMASK=002
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin
ident "@(#)Defaults.bsd-os31_5 13/11/04 "

# global definitions for BSD/OS Systems
#
# Compiler stuff
#
#DEFCCOM=cc
DEFCCOM=gcc

# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
#
DEFLINKMODE=static

# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
#CWARNOPTS=

DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=

#LDPATH=-L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work

# Installation config stuff
#
#INS_BASE=/opt/schily
#INS_KBASE=/
#INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root

#DEFUMASK=002
#DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin

#ident "@(#)i386-bsd-os3-cc.rul1.13 13/11/04"

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#########################################################################
include $(SRCROOT)/$(RULESDIR)/rules.prg
#########################################################################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)

KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a

#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=\$(LIBS_PATH) \$(LDPATH) \$(RUNPATH:-R%=-Wl,-R%)
LDOPTS=\$(LIBS_PATH) \$(LDPATH)
#LDOPTDYN=\shared -Wl,-soname,\$(TARGET)
#LNDYNLIB=\@\$(RM) \$(RM_FORCE) \$(PTARGET_BASE).so; \$(SYMLINK) \$(TARGET)
LDOPTDYN=
LNDYNLIB=

#shlicc2 is not present oln older or newer systems
#LDCC=\@echo "===> LINKING \"$@$\""; shlicc2
LDCC=\@echo "===> LINKING \"$@$\""; shlicc
#DYNLD=\@echo "===> LINKING dynamic library \"$@$\""; gcc
DYNLD=
RANLIB=\@echo "===> RANDOMIZING ARCHIVE \"$@$\""; ranlib
#ident "@(#)os-bsd-os.def 1.2 06/05/14 "

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#
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#
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_O_ARCH=$(OSREL:3.%=bsd-os3)
OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)

KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=
LIB_PREFIX=lib
LIB_SUFFIX=.a
#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=-Wl,-R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN= -Wl,-soname,$(TARGET)
#LNDYNLIB= $(RM) $(RM_FORCE) $(PTARGET_BASE).so $(SYMLINK) $(TARGET)
LDOPTDYN=
LNDYNLIB=
RANLIB=@echo "$@" RANDOMIZING ARCHIVE "$@"; ranlib
#ident "@(#)Defaults.bsd-os 1.5 13/11/04 

# global definitions for BSD/OS Systems
#
# Compiler stuff
#
#DEFCCOM=cc
DEFCOM=gcc

# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
# DEFLINKMODE=static
# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
#CWARNOPTS=

DEFINCDIRS=$ (SRCROOT)/include
DEFOSINCDIRS=
#LDPATH= -L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work

# Installation config stuff
#
#INS_BASE=/opt/schily
#INS_KBASE=/
#INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root
#DEFUMASK=002
#
 DEFINSMODEF=444
 DEFINSMODEX=755
 DEFINUSR=root
 DEFINSGRP=bin
#ident @(#)man-bsd.def 1.2 06/05/14

# Written 1997 by J. Schilling
# Definition for manual sections on BSD based systems
#
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MANSECT_CMD=man1
MANSECT_SYSCALL=man2
MANSECT_LIB=man3
MANSECT_FILEFORM=man5
MANSECT_HDR=man7
MANSECT_TABLES=man7
MANSECT_MACROS=man7
MANSECT_GAMES=man6
MANSECT_DEMOS=man6
MANSECT_DEVICE=man4
MANSECT_NETWORK=man4
MANSECT_ADMIN=man8
MANSECT_DRIVER=man4

MANSUFF_CMD=1
MANSUFF_SYSCALL=2
MANSUFF_LIB=3
MANSUFF_FILEFORM=5
MANSUFF_HDR=7
MANSUFF_TABLES=7
MANSUFF_MACROS=7
MANSUFF_GAMES=6
MANSUFF_DEMOS=6
MANSUFF_DEVICE=4
MANSUFF_NETWORK=4
MANSUFF_ADMIN=8
MANSUFF_DRIVER=4

#ident "@(#)i386-bsd-os3-gcc.rul 1.13 13/11/04 "

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# Platform dependent MACROS for BSD/OS

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include $(SRCROOT)/$(RULESDIR)/rules.prg
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)
KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a
#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=Wl, -R%)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=-shared -Wl,-soname,$(TARGET)
#LNDYNLIB=:@$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

#shlicc2 is not present on older or newer systems
#LDCC=:@echo "==> LINKING "$@""; shlicc2
LDCC=:@echo "==> LINKING "$@""; shlicc
#DYNLD=:@echo "==> LINKING dynamic library "$@""; gcc
DYNLD=
RANLIB=:@echo "==> RANDOMIZING ARCHIVE "$@""; ranlib
#ident "@(#)Defaults.bsd-os31.5 13/11/04 "

# global definitions for BSD/OS Systems
#
###################################################################
# Compiler stuff
#
###########################################################################
DEFCOM=cc
DEFCOM=gcc
###########################################################################
#
# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
#
###########################################################################
DEFLINKMODE=static
###########################################################################
#
# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
###########################################################################
CWARNOPTS=
DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work
###########################################################################
#
# Installation config stuff
#
###########################################################################
INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin

1.1041 jersey-bundle 1.15
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1.1042 spring-tx 3.0.3.RELEASE

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/ApplicationContextException.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/ejb/config/RemoteStatelessSessionBeanDefinitionParser.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/remoting/RemoteInvocationFailureException.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/event/ContextClosedEvent.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3.0.7-release-sources-3.jar/org/springframework/instrument/classloading/weblogic/WebLogicClassLoaderAdapter.java

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jar/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
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jar/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java
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jar/springframework/context/i18n/LocaleContext.java

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/**
 * {@link FactoryBean} that obtains a WebSphere <code>AdminServiceFactory</code> API,
 * reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the <code>MBeanServer</code> for bean references.
 * This FactoryBean is a direct alternative to <link MBeanServerFactoryBean>.
 */
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
* @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/ui/context/HierarchicalThemeSource.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jndi/JndiObjectTargetSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jndi/JndiObjectLocator.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/MessageSourceResolvable.java
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import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
 * A <code>CopyingRangeMarker</code> can be used to track positions when executing
 * text edits. Additionally a copying range marker stores a local copy of the
 * text it captures when it gets executed.
 *
 * @since 3.0
 */
public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
 * Creates a new <tt>CopyRangeMarker</tt> for the given
 * offset and length.
 *
 * @param offset the marker's offset
 * @param length the marker's length
 */
public CopyingRangeMarker(int offset, int length) {
super(offset, length);
}

private CopyingRangeMarker(CopyingRangeMarker other) {
super(other);
fText= other.fText;
}

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
return new CopyingRangeMarker(this);
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc */
int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText = document.get(getOffset(), getLength());
    fDelta = 0;
    return fDelta;
}

/* non Java-doc */
boolean deleteChildren() {
    return false;
}

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 margin: 0.25in 0.5in 0.25in 0.5in;
 tab-interval: 0.5in;
}
p {
 margin-left: auto;
 margin-top: 0.5em;
 margin-bottom: 0.5em;
}
p.list {
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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/json/JSONException.java
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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/json/JSONTokener.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/json/JSONWriter.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/json/JSONString.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/json/JSONObject.java

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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/Node.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/badgerfish/BadgerFishXMLStreamReader.java
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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/Convention.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-1-1-cuwf-sources-jar/org/codehaus/jettison/mapped/NullNamespaceContext.java
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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/AbstractXMLOutputFactory.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/AbstractXMLInputFactory.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/mapped/MappedNamespaceConvention.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/mapped/MappedXMLStreamWriter.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/mapped/Configuration.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/badgerfish/BadgerFishDOMDocumentSerializer.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/badgerfish/BadgerFishXMLOutputFactory.java

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* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/mapped/DefaultConverter.java
* /opt/cola/permits/1114168037_1611220752.93/0/jettison-l-1-cuwf-sources-jar/org/codehaus/jettison/mapped/TypeConverter.java
1.1056 glib 2.0.0.2800.8

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1.1065 javax-annotation-api 1.2-b01

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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/io/ByteArrayDataInput.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/reflect/TypeResolver.java
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* /opt/cola/permits/1136687796_1613859500.91/0/jersey-guava-2-10-1-sources-1-jar/jersey/repackaged/com/google/common/collection/FilteredMultimap.java
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* This file is a modified version of
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* Rationale for copying:
* Guava targets JDK5, whose AbstractExecutorService class lacks the newTaskFor protected
* customization methods needed by MoreExecutors.listeningDecorator. This class is a copy of
* AbstractExecutorService from the JSR166 CVS repository. It contains the desired methods.
* /

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the
libraries themselves. This Library General Public License is intended to
permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve
this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.
1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.
8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed
through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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Also add information on how to contact you by electronic and paper mail.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
library, and (2) we offer you this license, which gives you legal
permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that
there is no warranty for the free library. Also, if the library is
modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original
author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot
effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that
any patent license obtained for a version of the library must be
consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the
ordinary GNU General Public License. This license, the GNU Lesser
General Public License, applies to certain designated libraries, and
is quite different from the ordinary General Public License. We use
this license for certain libraries in order to permit linking those
libraries into non-free programs.

When a program is linked with a library, whether statically or using
a shared library, the combination of the two is legally speaking a
combined work, a derivative of the original library. The ordinary
General Public License therefore permits such linking only if the
entire combination fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with
the library.

We call this license the "Lesser" General Public License because it
does Less to protect the user's freedom than the ordinary General
Public License. It also provides other free software developers Less
of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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The End

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   its purpose remains meaningful.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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```
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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.
```

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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That's all there is to it!
HAPROXY’s license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include files, while keeping the GPL for all the rest. This way, it still is mandatory to redistribute modified code under customer request, but at the same time, it is expressly permitted to write, compile, link and load non-GPL code using the LGPL header files and not to distribute them if it causes a legal problem.

Of course, users are strongly encouraged to continue the work under GPL as long as possible, since this license has allowed useful enhancements, contributions and fixes from talented people around the world.

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Willy Tarreau - w@1wt.eu

1.1086 jetty-setuid-java 1.0.3
1.1087 gstreamer 0.10.30.1

1.1087.1 Available under license:

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
Thus, it is not the intent of this section to claim rights or contest
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This option is useful when you wish to copy part of the code of
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4. You may copy and distribute the Library (or a portion or
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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/*
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package org.apache.xalan;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */

public class Version {

/**
 * Get the basic version string for the current Xalan release.
 * Version String formatted like
 * <CODE>&lt;B&gt;Xalan&lt;/B&gt; &lt;B&gt;Java&lt;/B&gt; v.r[.dd&lt;B&gt;D&lt;/B&gt;nn]&lt;/CODE&gt;.
 * Futurework: have this read version info from jar manifest.
 * @return String denoting our current version
 */

public static String getVersion() {
    return getProduct() +"+getImplementationLanguage() +" +getMajorVersionNum() +"+getReleaseVersionNum() +"+(getDevelopmentVersionNum() > 0) ?
/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
* Release Number.
* Release number. This changes when:
  * - a new set of functionality is to be added, eg,
  *   implementation of a new W3C specification.
  * - API or behaviour change.
  * - its designated as a reference release.
*/

```java
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}
```

/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/

```java
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}
```

/**
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/

```java
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")) . length() == 0)
            return 0;
    }
```
else
    return Integer.parseInt("@version.DEVELOPER@");
} catch (NumberFormatException nfe) {
    return 0;
}

*/

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*/

/**
* This is a special exception that is used to stop parsing when
* search for an element. For instance, when searching for xml:stylesheet
* PIs, it is used to stop the parse once the document element is found.
* @see StylesheetPIHandler
* @xsl.usage internal
*/

*/

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/**
 */

package org.apache.xml.serializer;

/**
 * Administrative class to keep track of the version number of
 * the Serializer release.
 * This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information.</P>
 * @xsl.usage general
 */
 public final class Version
 {


/**
 * Get the basic version string for the current Serializer.
 * Version String formatted like
 * 
 * Futurework: have this read version info from jar manifest.
 * 
 * @return String denoting our current version
 */
public static String getVersion()
{
    return getProduct() + " +getImplementationLanguage() +" "+getMajorVersionNum() +"."+getReleaseVersionNum() +"." +
( (getDevelopmentVersionNum() > 0) ?
   ("D" +getDevelopmentVersionNum()) : ("" +getMaintenanceVersionNum()) );
}

/**
 * Print the processor version to the command line.
 * 
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */
public static String getProduct()
{
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
Clients should carefully consider the implications of new versions as external interfaces and behaviour may have changed.

```java
/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance drop applied to a specific release and contains fixes for defects reported. It maintains compatibility with the release and contains no API changes.
 * When missing, it designates the final and complete development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of a specific release. D01 is the first development drop of a new release.
 */
public static int getDevelopmentVersionNum()
{
    return @version.DEV@;
}
```
completed, final release. A specific development drop may not completely implement all aspects of a new feature, which may take several development drops to complete. At the point of the final drop for the release, the D suffix will be omitted.

Each 'D' drops can contain functional enhancements as well as defect fixes. 'D' drops may not be as stable as the final releases.

```
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
```

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*/
/**
 * Major version number.
 * Version number. This changes only when there is a
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the previous release. 'n' represents the n'th
version.

Clients should carefully consider the implications
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may have changed.

*/

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 */opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.java
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*/

/*
* $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
*/

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*/

package org.apache.xalan.xslt.compiler;

import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;

import org.apache.xml.dtm.DTM;
import org.apache.xalan.xslt.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xslt.runtime.Operators;
import org.apache.xalan.xslt.compiler.util.ErrorMsg;

parser code {

/**
 * Used by function calls with no args.
 */
static public final Vector EmptyArgs = new Vector(0);

/**
 * Reference to non-existing variable.
 */
static public final VariableRef DummyVarRef = null;

/**
private Parser _parser;
private XSLTC _xsltc;

private String _expression;

private int _lineNumber = 0;

public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xsltc = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {
    _xsltc.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xsltc.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xsltc.setHasIdCall(flag);
}
/**
 * This method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "{uri}::*" and "{uri}:@*". The last two
 * patterns are expanded as "*[namespace-uri()='uri']" and
 * "[@*[namespace-uri()='uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).
 */

public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
    int nodeType;

    if (test == null) {  // "*"
        nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
                      (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
    }
    else if (test instanceof Integer) {
        nodeType = ((Integer) test).intValue();
    }
    else {
        QName name = (QName)test;
        boolean setPriority = false;

        if (axis == Axis.NAMESPACE) {
            nodeType = (name.toString().equals("*")) ? -1 :
                      _xslt.registerNamespacePrefix(name);;
        }
        else {
            final String uri = name.getNamespace();
            final String local = name.getLocalPart();
            final QName namespace_uri =
                        _parser.getQNameIgnoreDefaultNs("namespace-uri");

            // Expand {uri}::* to *[namespace-uri()='uri'] - same for @*
            if (uri != null && (local.equals("*") || local.equals("@*"))) {
                if (predicates == null) {
                    predicates = new Vector(2);
                }
            }
            // Priority is set by hand if no other predicates exist
        }
    }
    return new StepPattern(axis, nodeType, predicates);
}

if (test == null) {  // "*"
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
                      (axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
}
else if (test instanceof Integer) {
    nodeType = ((Integer) test).intValue();
}
else {
    QName name = (QName)test;
    boolean setPriority = false;

    if (axis == Axis.NAMESPACE) {
        nodeType = (name.toString().equals("*")) ? -1 :
                      _xslt.registerNamespacePrefix(name);;
    }
    else {
        final String uri = name.getNamespace();
        final String local = name.getLocalPart();
        final QName namespace_uri =
                    _parser.getQNameIgnoreDefaultNs("namespace-uri");

        // Expand {uri}::* to *[namespace-uri()='uri'] - same for @*
        if (uri != null && (local.equals("*") || local.equals("@*"))) {
            if (predicates == null) {
                predicates = new Vector(2);
            }
        }
        // Priority is set by hand if no other predicates exist
    }
}
setPriority = (predicates.size() == 0);

predicates.add(
new Predicate(
    new EqualityExpr(Operators.EQ,
    new NamespaceUriCall(namespace_uri),
    new LiteralExpr(uri)));
}

if (local.equals("*")) {
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE : NodeTest.ELEMENT;
} else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
} else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) : _xsltc.registerElement(name);
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

// Set priority for case prefix:* and prefix:@* (no predicates)
if (setPriority) {
    result.setPriority(-0.25);
}

return result;

public int findNodeType(int axis, Object test) {
if (test == null) {  // *
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE : NodeTest.ELEMENT;
} else if (test instanceof Integer) {
    return ((Integer)test).intValue();
} else {
    QName name = (QName)test;
    if (axis == Axis.NAMESPACE) {
        return (name.toString().equals("*")) ? -1 : _xsltc.registerNamespacePrefix(name);
    }
    else if (test instanceof QName) {
        return ((QName)test).intValue();
    } else {
        QName name = (QName)test;
        if (axis == Axis.NAMESPACE) {
            return (name.toString().equals("*")) ? -1 : _xsltc.registerNamespacePrefix(name);
        }
    }
}
if (name.getNamespace() == null) {
    final String local = name.getLocalPart();

    if (local.equals("*")) {
        return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
            : NodeTest.ELEMENT;
    } else if (local.equals("@*")) {
        return NodeTest.ATTRIBUTE;
    }
}

return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name) : _xsltc.registerElement(name);

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 *
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
        return(result);
    else
        return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
    _parser.reportError(Constants.ERROR, error);
}

public void report_error(String message, Object info) {
    final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
                                       _expression);
    _parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep");
        return rlp;
    }
}

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
    return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
            axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}
terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLOM, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QName;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;
terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;
non terminal QName QName, FunctionName, VariableName;
non terminal Integer AxisName, AxisSpecifier;
non terminal Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;
precedence left OR;
precedence left AND;
precedence nonassoc EQ, NE;
precedence left LT, GT, LE, GE;
precedence left PLUS, MINUS;
precedence left DIV, MOD, MULT;
precedence left DOLLAR;
precedence left ATSIGN;
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
            {: RESULT = pattern; :}
            |
            EXPRESSION Expr:expr
            {: RESULT = expr; :};

/* --------------------------- Patterns ----------------------------------- */

Pattern ::= LocationPathPattern:lpp
           {: RESULT = lpp; :}
           |
           LocationPathPattern:lpp VBAR Pattern:p
           {: RESULT = new AlternativePattern(lpp, p); :};

LocationPathPattern ::= SLASH
                       {: RESULT = new AbsolutePathPattern(null); :}
                       |
                       SLASH RelativePathPattern:rpp
                       {: RESULT = new AbsolutePathPattern(rpp); :}

IdKeyPattern ::= ID LPAREN Literal:l RPAREN
                {: RESULT = new IdPattern(l); parser.setHasIdCall(true);}

KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
{ : RESULT = new KeyPattern(l1, l2); : }

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{ : RESULT = new ProcessingInstructionPattern(l); : };

RelativePathPattern ::= StepPattern:sp
{ : RESULT = sp; : }

| StepPattern:sp SLASH RelativePathPattern:rpp
{ : RESULT = new ParentPattern(sp, rpp); : }

| StepPattern:sp DSLASH RelativePathPattern:rpp
{ : RESULT = new AncestorPattern(sp, rpp); : };

StepPattern ::= NodeTestPattern:nt
{ : RESULT = parser.createStepPattern(Axis.CHILD, nt, null); : }

| NodeTestPattern:nt Predicates:pp
{ : RESULT = parser.createStepPattern(Axis.CHILD, nt, pp); : }

| ProcessingInstructionPattern:pip
{ : RESULT = pip; : }

| ProcessingInstructionPattern:pip Predicates:pp
{ : RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); : }

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
{ : RESULT = parser.createStepPattern(axis.intValue(), nt, null); : }

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt Predicates:pp
{ : RESULT = parser.createStepPattern(axis.intValue(), nt, pp); : }

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
{ : RESULT = pip; // TODO: report error if axis is attribute : }
ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
Predicates:pp
{: // TODO: report error if axis is attribute
   RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
   :}

NodeTestPattern ::= NameTestPattern:nt
{: RESULT = nt; :}

| NODE
{: RESULT = new Integer(NodeTest.ANODE); :}

| TEXT
{: RESULT = new Integer(NodeTest.TEXT); :}

| COMMENT
{: RESULT = new Integer(NodeTest.COMMENT); :}

| PI
{: RESULT = new Integer(NodeTest.PI); :}

NameTestPattern ::= STAR
{: RESULT = null; :}

| QName:qn
{: RESULT = qn; :};

ChildOrAttributeAxisSpecifier ::= ATSIGN
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

| CHILD DCOLON
{: RESULT = new Integer(Axis.CHILD); :}

| ATTRIBUTE DCOLON
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

Predicates ::= Predicate:p
{: Vector temp = new Vector();
   temp.addElement(p);
   RESULT = temp;
   :}

| Predicate:p Predicates:pp
{: pp.insertElementAt(p, 0); RESULT = pp; :};
Predicate ::= LBRACK Expr:e RBRACK
   {:
      RESULT = new Predicate(e);
   :};

/* --------------------------- Expressions ------------------------------- */

Expr ::= OrExpr:ex
   {: RESULT = ex; :};

OrExpr ::= AndExpr:ae
   {: RESULT = ae; :}

| OrExpr:oe OR AndExpr:ae
   {: RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); :};

AndExpr ::= EqualityExpr:e
   {: RESULT = e; :}

| AndExpr:ae AND EqualityExpr:ee
   {: RESULT = new LogicalExpr(LogicalExpr.AND, ae, ee); :};

EqualityExpr ::= RelationalExpr:re
   {: RESULT = re; :}

| EqualityExpr:ee EQ RelationalExpr:re
   {: RESULT = new EqualityExpr(Operators.EQ, ee, re); :}

| EqualityExpr:ee NE RelationalExpr:re
   {: RESULT = new EqualityExpr(Operators.NE, ee, re); :};

RelationalExpr ::= AdditiveExpr:ae
   {: RESULT = ae; :}

| RelationalExpr:re LT AdditiveExpr:ae
   {: RESULT = new RelationalExpr(Operators.LT, re, ae); :}

| RelationalExpr:re GT AdditiveExpr:ae
   {: RESULT = new RelationalExpr(Operators.GT, re, ae); :}

| RelationalExpr:re LE AdditiveExpr:ae
   {: RESULT = new RelationalExpr(Operators.LE, re, ae); :}

| RelationalExpr:re GE AdditiveExpr:ae
   {: RESULT = new RelationalExpr(Operators.GE, re, ae); :};

AdditiveExpr ::= MultiplicativeExpr:me
   {: RESULT = me; :}
AdditiveExpr:ae PLUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.PLUS, ae, me); :}

AdditiveExpr:ae MINUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); :};

MultiplicativeExpr ::= UnaryExpr:ue
{: RESULT = ue; :}

MultiplicativeExpr:me MULT UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); :}

MultiplicativeExpr:me DIV UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); :}

MultiplicativeExpr:me MOD UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); :};

UnaryExpr ::= UnionExpr:ue
{: RESULT = ue; :}

MINUS UnaryExpr:ue
{: RESULT = new UnaryOpExpr(ue); :};

UnionExpr ::= PathExpr:pe
{: RESULT = pe; :}

PathExpr:pe VBAR UnionExpr:rest
{: RESULT = new UnionPathExpr(pe, rest); :};

PathExpr ::= LocationPath:lp
{: RESULT = lp; :}

FilterExpr:fexp
{: RESULT = fexp; :}

FilterExpr:fexp SLASH RelativeLocationPath:rlp
{: RESULT = new FilterParentPath(fexp, rlp); :}

FilterExpr:fexp DSLASH RelativeLocationPath:rlp
{: // Expand '/' into '/descendant-or-self::node()/ or // into /descendant-or-self::*/*
  // int nodeType = DOM.NO_TYPE;
  if (rlp instanceof Step &&
parser.isElementAxis(((Step) rlp).getAxis()))
{
    nodeType = DTM.ELEMENT_NODE;
}

final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
FilterParentPath fpp = new FilterParentPath(fexp, step);
fpp = new FilterParentPath(fpp, rlp);
if (fexp instanceof KeyCall == false) {
    fpp.setDescendantAxis();
}

RESULT = fpp;
}

LocationPath ::= RelativeLocationPath:rlp
{
    RESULT = rlp;
}

| AbsoluteLocationPath:alp
{
    RESULT = alp;
}

RelativeLocationPath ::= Step:step
{
    RESULT = step;
}

| RelativeLocationPath:rlp SLASH Step:step
{
    if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
        RESULT = step; // Remove '.' from the middle
    }
    else if (((Step) step).isAbbreviatedDot()) {
        RESULT = rlp; // Remove 'l.' from the end
    }
    else {
        RESULT =
        new ParentLocationPath((RelativeLocationPath) rlp, step);
    }
}

| AbbreviatedRelativeLocationPath:arlp
{
    RESULT = arlp;
}

AbsoluteLocationPath ::= SLASH
{
    RESULT = new AbsoluteLocationPath();
}

| SLASH RelativeLocationPath:rlp
{
    RESULT = new AbsoluteLocationPath(rlp);
}

| AbbreviatedAbsoluteLocationPath:aalp
{
    RESULT = aalp;
}
AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DELimiter Step:step
{
final Step right = (Step)step;
final int  axis  = right.getAxis();
final int  type  = right.getNodeType();
final Vector predicates = right.getPredicates();

if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
    // Compress 'child:E' into 'descendant::E' - if possible
    if (predicates == null) {
        right.setAxis(Axis.DESCENDANT);
        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
            RESULT = right;
        }
    } else {
        // Expand 'rlp//child::E' into 'rlp/descendant::E'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        RESULT = new ParentLocationPath(left, right);
    }
}
else {
    // Expand './/step' -> 'descendant-or-self::*//step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    DTM.ELEMENT_NODE, null);,
    Step left = new Step(Axis.DESCENDANTORSELF,
        DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(left, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'step' -> 'descendant-or-self::*//step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
        DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(mid, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'step' -> 'descendant-or-self::*//step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
        DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else {
    // Expand 'rlp//step' -> 'descendant-or-self::*//step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
}
Step middle = new Step(Axis.DESCENDANTORSELF, DOM.NO_TYPE, null);

          ParentLocationPath ppl = new ParentLocationPath(middle, right);
          RESULT = new ParentLocationPath(left, ppl);
      };

AbbreviatedAbsoluteLocationPath ::= DSLASH RelativeLocationPath:rlp

      {:
          //
          // Expand '//' into '/descendant-or-self::node()' or
          // into /descendant-or-self::*/
          //
          int nodeType = DOM.NO_TYPE;
          if (rlp instanceof Step &&
              parser.isElementAxis(((Step) rlp).getAxis()))
          {
              nodeType = DTM.ELEMENT_NODE;
          }
          final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
          RESULT = new AbsoluteLocationPath(parser.insertStep(step,
              (RelativeLocationPath) rlp));
      };

Step ::= NodeTest:ntest

      {:
        if (ntest instanceof Step) {
            RESULT = (Step)ntest;
        }
        else {
            RESULT = new Step(Axis.CHILD, parser.findNodeType(Axis.CHILD, ntest),
              null);
        }
      }

| NodeTest:ntest Predicates:pp

      {:
        if (ntest instanceof Step) {
            Step step = (Step)ntest;
            step.addPredicates(pp);
            RESULT = (Step)ntest;
        }
        else {
            RESULT = new Step(Axis.CHILD, parser.findNodeType(Axis.CHILD, ntest), pp);
        }
      }
{: RESULT = new Step(axis.intValue(), |
parser.findNodeType(axis.intValue(), ntest), |
pp); |
{:}

]| AxisSpecifier:axis NodeTest:n test |
{: RESULT = new Step(axis.intValue(), |
parser.findNodeType(axis.intValue(), ntest), |
null); |
{:}

]| AbbreviatedStep:abbrev |
{: RESULT = abbrev; :};

AxisSpecifier ::= AxisName:an DCOLON |
{: RESULT = an; :}

| ATSIGN |
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

AxisName ::= ANCESTOR |
{: RESULT = new Integer(Axis.ANCESTOR); :}

| ANCESTORORSELF |
{: RESULT = new Integer(Axis.ANCESTORORSELF); :}

| ATTRIBUTE |
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

| CHILD |
{: RESULT = new Integer(Axis.CHILD); :}

| DESCENDANT |
{: RESULT = new Integer(Axis.DESCENDANT); :}

| DESCENDANTORSELF |
{: RESULT = new Integer(Axis.DESCENDANTORSELF); :}

| FOLLOWING |
{: RESULT = new Integer(Axis.FOLLOWING); :}

| FOLLOWINGSIBLING |
{: RESULT = new Integer(Axis.FOLLOWINGSIBLING); :}

| NAMESPACE
AbbreviatedStep ::= DOT
{: RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); :}

| DDOT
{: RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); :};

FilterExpr ::= PrimaryExpr:primary
{: RESULT = primary; :}

| PrimaryExpr:primary Predicates:pp
{: RESULT = new FilterExpr(primary, pp); :};

PrimaryExpr ::= VariableReference:vr
{: RESULT = vr; :}

| LPAREN Expr:ex RPAREN
{: RESULT = ex; :}

| Literal:string
{: /*
* If the string appears to have the syntax of a QName, store
* namespace info in the literal expression. This is used for
* element-available and function-available functions, among
* others. Also, the default namespace must be ignored.
* /
String namespace = null;
final int index = string.lastIndexOf(‘:’);

if (index > 0) {
    final String prefix = string.substring(0, index);
    namespace = parser._symbolTable.lookupNamespace(prefix);
}
RESULT = (namespace == null) ? new LiteralExpr(string)
| INT:num
| {:
| long value = num.longValue();
| if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
| RESULT = new RealExpr(value);
| }
| else {
| if (num.doubleValue() == -0)
|     RESULT = new RealExpr(num.doubleValue());
| else if (num.intValue() == 0)
|     RESULT = new IntExpr(num.intValue());
| else if (num.doubleValue() == 0.0)
|     RESULT = new RealExpr(num.doubleValue());
| else
|     RESULT = new IntExpr(num.intValue());
| }
| }

| REAL:num
| {:
| RESULT = new RealExpr(num.doubleValue());
| }

| FunctionCall:fc
| {:
| RESULT = fc;
| }

VariableReference ::= DOLLAR VariableName:varName
| {
| // An empty qname prefix for a variable or parameter reference
| // should map to the null namespace and not the default URI.
| SyntaxTreeNode node = parser.lookupName(varName);
| if (node != null) {
| if (node instanceof Variable) {
|     RESULT = new VariableRef((Variable)node);
| }
| else if (node instanceof Param) {
|     RESULT = new ParameterRef((Param)node);
| }
| else {
|     RESULT = new UnresolvedRef(varName);
| }
| }
| if (node == null) {
| RESULT = new UnresolvedRef(varName);
| }
FunctionCall ::= FunctionName:fname LPAREN RPAREN

if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
    RESULT = new CurrentCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
    RESULT = new BooleanExpr(true);
}
else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
    RESULT = new BooleanExpr(false);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, parser.EmptyArgs);
}
else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
    RESULT = new PositionCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
    RESULT = new LastCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}

;
FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN
{
    if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, argl);
    } 
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
        parser.setMultiDocument(true);
        RESULT = new DocumentCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
        RESULT = new BooleanCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
        RESULT = new GenerateIdCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
        RESULT = new NotCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
        RESULT = new FormatNumberCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
        RESULT = new UnparsedEntityUriCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
        RESULT = new KeyCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
        RESULT = new KeyCall(fname, argl);
        parser.setHasIdCall(true);
    }
    else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
        RESULT = new CeilingCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
        RESULT = new RoundCall(fname, argl);
    }
    else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
RESULT = new FloorCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) {
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Constants.TRANSLET_URI, "xsltc", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
;

NonemptyArgumentList ::= Argument:arg
|
Vector temp = new Vector();
temp.addElement(arg);
RESULT = temp;
;
| Argument:arg COMMA NonemptyArgumentList:argl
| { argl.insertElementAt(arg, 0); RESULT = argl; }
;
FunctionName ::= QName:fname
    {:
        RESULT = fname;
    :
    }

VariableName ::= QName:vname
    {:
        RESULT = vname;
    :
    }

Argument ::= Expr:ex
    {:
        RESULT = ex; :
    }

NodeTest ::= NameTest:nt
    {:
        RESULT = nt; :
    }

    | NODE
        {:
            RESULT = new Integer(NodeTest.ANODE); :
        }

    | TEXT
        {:
            RESULT = new Integer(NodeTest.TEXT); :
        }

    | COMMENT
        {:
            RESULT = new Integer(NodeTest.COMMENT); :
        }

    | PIPARAM LPAREN Literal:l RPAREN
        {:
            QName name = parser.getQNameIgnoreDefaultNs("name");
            Expression exp = new EqualityExpr(Operators.EQ,
                new NameCall(name),
                new LiteralExpr(l));
            Vector predicates = new Vector();
            predicates.addElement(new Predicate(exp));
            RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
        }

    | PI
        {:
            RESULT = new Integer(NodeTest.PI); :
        }

NameTest ::= STAR
    {:
        RESULT = null; :
    }

    | QName:qn
        {:
            RESULT = qn; :
        }

QName ::= QNAME:qname
    {:
        RESULT = parser.getQNameIgnoreDefaultNs(qname); :
    }
| DIV |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

| MOD |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

| KEY |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

| ANCESTOR |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| ANCESTORORSELF |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); :}

| ATTRIBUTE |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("attribute"); :}

| CHILD |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| DESCENDANT |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("descendant"); :}

| DESCENDANTORSELF |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("descendant-or-self"); :}

| FOLLOWING |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("following"); :}

| FOLLOWINGSIBLING |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); :}

| NAMESPACE |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("namespace"); :}

| PARENT |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("parent"); :}

| PRECEDING |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("preceding"); :}

| PRECEDINGSIBLING |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); :}

| SELF |
{\ : RESULT = parser.getQNameIgnoreDefaultNs("self"); :}
<table>
<thead>
<tr>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>: RESULT = parser.getNameIgnoreDefaultNs(&quot;id&quot;); :</td>
</tr>
</tbody>
</table>

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xslt/compiler/xpath.cup

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*/

// is found, then throw a special exception in order to terminate

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/processor/TransformerFactoryImpl.java

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*/

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java
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 * limitations under the License.
 */

/**
 * Execute the proprietary document-location() function, which returns
 * a node set of documents.
 * @xsl.usage advanced
 */

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/functions/FuncDoclocation.java

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 * limitations under the License.
 */

/*
 * $Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas $
 */
package org.apache.xalan.xslt.compiler;

import java_cup.runtime.Symbol;
%%
%cup
%unicode
%class XPathLexer
%yyeof
%

int last;

void initialize() {
    last = -1;
}

static boolean isWhitespace(int c) {
    return (c == ' ' || c == '	' || c == '' || c == '
'  || c == '');
}

/**
 * If symbol is not followed by '::' or '(', then treat it as a
 * name instead of an axis or function (Jira-1912).
 */
Symbol disambiguateAxisOrFunction(int ss) throws Exception {
    // Peek in the input buffer without changing the internal state
    int index = yy_buffer_index;

    // Skip whitespace
    while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
        index++;
    }

    // If end of buffer, can't disambiguate :
    if (index >= yy_buffer_read) {
        // Can't disambiguate, so return as symbol
        return new Symbol(ss);
    }
// Return symbol if next token is ':' or '('
}

/**
* If symbol is first token or if it follows any of the operators
* listed in http://www.w3.org/TR/xpath#exprlex then treat as a
* name instead of a keyword (Jira-1912).
*/
Symbol disambiguateOperator(int ss) throws Exception {
    switch (last) {
        case -1:    // first token
            case sym.ATSIGN:
            case sym.DCOLON:
            case sym.LPAREN:
            case sym.LBRACK:
            case sym.COMMA:
            case sym.AND:
            case sym.OR:
            case sym.MOD:
            case sym.DIV:
            case sym.MULT:
            case sym.SLASH:
            case sym.DSLSH:
            case sym.VBAR:
            case sym.PLUS:
            case sym.MINUS:
            case sym.EQ:
            case sym.NE:
            case sym.LT:
            case sym.LE:
            case sym.GT:
            case sym.GE:
                return newSymbol(sym.QNAME, yytext());
            }
    return newSymbol(ss);
}

/**
* If symbol is first token or if it follows any of the operators
* listed in http://www.w3.org/TR/xpath#exprlex then treat as a
* wildcard instead of a multiplication operator
*/
Symbol disambiguateStar() throws Exception {
    switch (last) {
        case -1:    // first token
            case sym.ATSIGN:
            case sym.DCOLON:
            case sym.LPAREN:
            case sym.LBRACK:
            case sym.COMMA:
            case sym.AND:
            case sym.OR:
            case sym.MOD:
            case sym.DIV:
            case sym.MULT:
            case sym.SLASH:
            case sym.DSLSH:
            case sym.VBAR:
            case sym.PLUS:
            case sym.MINUS:
            case sym.EQ:
            case sym.NE:
            case sym.LT:
            case sym.LE:
            case sym.GT:
            case sym.GE:
                return newSymbol(sym.QNAME, yytext());
            }
    return newSymbol(ss);
}
case sym.ATSIGN:
case sym.DCOLON:
case sym.LPAREN:
case sym.LBRACK:
case sym.COMMA:
case sym.AND:
case sym.OR:
case sym.MOD:
case sym.DIV:
case sym.MUL:
case sym.SLASH:
case sym.DSLS:
case sym.VBAR:
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LE:
case sym.GE:
  return newSymbol(sym.STAR);
}
return newSymbol(sym.MUL);
}

Symbol newSymbol(int ss) {
  last = ss;
  return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
  last = ss;
  return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
  last = ss;
  return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
  last = ss;
  return new Symbol(ss, value);
}
%
%eofval{
return newSymbol(sym.EOF);
    %eofval
}
%yylexthrow{
Exception
}
%yylexthrow{

Letter={BaseChar}|{Ideographic}

BaseChar=[u0041-u005Aa-zÀ-Öø-ÿĀ-ŚĴ-ľŁ-ňŠ-ťƀ-ƅƄ-Ɠȗɐ-ʨʻ-ˁ̀-͠ͅ-҃͡-֑҆-֣֡-ֹֻ-ֽֿׁ-ׂׄ-׆ً-ْٰ-ۖ۝-۟۠-ۤۧ-ۨ-ँ-ः़-ौ्-॑-॔ॢ-ॣঁ-ঃ-উ-ঋ-এ-ঐ-ও-ঘ-চ-স-ঽ-৅-ো-ৗ-ৢ-ৣ-ਂ-਼-ਾ-ਿ-ੀ-ੇ-ੈ-ੋ-੍-ੰ-ੱ-ઁ-ઃ-આ-ઉ-ઌ-ઐ-ઓ-ઔ-ઙ-ન-઩-ર-લ-ળ-વ-શ-ી-ૅ-ે-ૉ-ો-્-૬-ૠ-ૢ-૤-૥-૦-૧-૨-૩-૯-૰-૱-૲-૳-૴-૵-૶-૷-૸-ૹ-ૻ-ૼ-૽-૾-૿]

Ideographic=[u4E00-u9FA5〇〡-〩]

CombiningChar=[u0300-u0345͠-u0361-u0483-u0486-u0591-u05A1-u05A3-u05B9-u05BB-ׁ-u05C2-u05C4-u0564-u0652-u0670-u06D6-u06D8-u06D9-u06E0-u06E2-u06E3-u0901-u0903-u093C-ा-्ॏ-॑-॔-ॢ-ॣ-ঁ-ঃ-উ-ঋ-এ-ঐ-ও-ঘ-চ-স-ঽ-৅-ো-ৗ-ৢ-ৣ-ਂ-਼-ਾ-ਿ-ੀ-ੇ-ੈ-ੋ-੍-ੰ-ੱ-ઁ-ઃ-આ-ઉ-ઌ-ઐ-ઓ-ઔ-ઙ-ન-઩-ર-લ-ળ-વ-શ-ી-ૅ-ે-ૉ-ો-્-૬-ૠ-ૢ-૤-૥-૦-૧-૨-૩-૯-૰-૱-૲-૳-૴-૵-૶-૷-૸-ૹ-ૻ-ૼ-૽-૾-૿]
Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u096F\u09E6-\u09EF\u0A66-\u0A6F\u0AE6-\u0AEF\u0B66-\u0B6F\u0BE7-\u0BEF\u0C66-\u0C6F\u0CE6-\u0CEF\u0D66-\u0D6F\u0E50-\u0E59\u0E60-\u0E69\u0F20-\u0F29]

Extender=[\u00B7\u02D0\u02D1\u0387\u0640\u0E46\u0EC6\u00B7\u3005\u3031-\u3035\u309D-\u309E\u30FC-\u30FE]

NCName=(\{Letter\}|"_"\{NCNameStartChar\}\{NCNameChar\})*

NCNameChar=[Letter]|\[Digit\]|"\-"|"\_"|\{CombiningChar\}|\{Extender\}|\{NCNameStartChar\}|\{NCNameChar\}|

NCNameStartChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u203F\u2040\u0130-\u0136]

HighSurrogate=[\uD800-\uDBFF]

LowSurrogate=[\uDC00-\uDFFF]

"=" { return disambiguateStar(); }

"/" { return newSymbol(sym.SLASH); }

"+" { return newSymbol(sym.PLUS); }

"-" { return newSymbol(sym.MINUS); }

"div" { return disambiguateOperator(sym.DIV); }

"mod" { return disambiguateOperator(sym.MOD); }

"::" { return newSymbol(sym.DCOLON); }

"," { return newSymbol(sym.COMMA); }

"@" { return newSymbol(sym.ATSIGN); }

".." { return newSymbol(sym.DDOT); }

"\[" { return newSymbol(sym.VBAR); }

"\$" { return newSymbol(sym.DOLLAR); }

"//" { return newSymbol(sym.DSLASH); }

"=" { return newSymbol(sym.EQ); }

"!" { return newSymbol(sym.NE); }

"<" { return newSymbol(sym.LT); }

">" { return newSymbol(sym.GT); }

"<=" { return newSymbol(sym.LE); }

">=" { return newSymbol(sym.GE); }

"id" { return disambiguateAxisOrFunction(sym.ID); }

"key" { return disambiguateAxisOrFunction(sym.KEY); }

"text()" { return newSymbol(sym.TEXT); }

"text"+[\t\n\f]+"(" { return newSymbol(sym.TEXT); }

Open Source Used In Virtualized Voice Browser 12.6(1) 12167
"node()"   { return newSymbol(sym.NODE); }
"node+[ \n]+("{ return newSymbol(sym.NODE); }
"comment()"   { return newSymbol(sym.COMMENT); }
"comment+[ \n]+("{ return newSymbol(sym.COMMENT); }
"processing-instruction()"   { return disambiguateAxisOrFunction(sym.PIPARAM); }
"processing-instruction+[ \n]+("{ return newSymbol(sym.PI); }
"or"   { return disambiguateOperator(sym.OR); }
"and"   { return disambiguateOperator(sym.AND); }
"child"   { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute"   { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
"ancestor"   { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self"   { return disambiguateAxisOrFunction(sym.ANCESTORORSELF); }
"descendant"   { return disambiguateAxisOrFunction(sym.DESCENDANT); }
"descendant-or-self"   { return disambiguateAxisOrFunction(sym.DESCENDANTORSELF); }
"following"   { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling"   { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
"namespace"   { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent"   { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding"   { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling"   { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self"   { return disambiguateAxisOrFunction(sym.SELF); }
"["   { return newSymbol(sym.LBRACK); }
"]"   { return newSymbol(sym.RBRACK); }
"("   { return newSymbol(sym.LPAREN); }
")"   { return newSymbol(sym.RPAREN); }
"<PATTERN>"   { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>"   { initialize(); return new Symbol(sym.EXPRESSION); }
\[{Digit}+\^[NCName]:[NCName]\d*[NCName]?[NCName]\^[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]"   { return newSymbol(sym.INT, new Long(yytext())); }
\[.\d*\]"   { return newSymbol(sym.REAL, new Double(yytext())); }
\[.\d]+\^[NCName]:[NCName]?[NCName]\d*[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName]?[NCName”?]+"   { return newSymbol(sym.QNAME, yytext()); }
[ \n\r\f]   /* ignore white space. */
.   { throw new Exception(yytext()); }

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources.jar/org/apache/xalan/xsltc/compiler/xpath.lex
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*/
*/
/*
*/
/* $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $ */
package org.apache.xalan.processor;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
 * @deprecated To be replaced by org.apache.xalan.Version.getVersion()
 * @xsl.usage general
 */
public class XSLProcessorVersion
{

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(S_VERSION);
}

/**
 * Constant name of product.
 */
public static final String PRODUCT = "Xalan";

/**
 * Implementation Language.
public static final String LANGUAGE = "Java";

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. `n` represents the n'th
 * version.
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static final int VERSION = @version.VERSION@;

/**
 * Release Number.
 * Release number. This changes when:
 * - a new set of functionality is to be added, eg,
 *   implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static final int RELEASE = @version.RELEASE@;

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static final int MAINTENANCE = @version.MINOR@;

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
* release, the D suffix will be omitted.
* Each 'D' drops can contain functional enhancements as
  well as defect fixes. 'D' drops may not be as stable as
  the final releases.
*/

public static final int DEVELOPMENT = 0;

/**
 * Version String like 
 *
 * <code>"<b>Xalan</b> <b>Language</b> v.r
 * D</b><b>nn</b>"</code>
 *
 * Semantics of the version string are identical to the Xerces project.</p>
 */

public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" 
+VERSION+"."+RELEASE+"." +(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT) :
  (""+MAINTENANCE));
}

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.src

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Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/trace/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/transformer/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
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*/

// Proprietary, built in functions
/** current function string (Proprietary). */

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/compiler/Keywords.java

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 */

Found in path(s):
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/QueuedEvents.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/NodeSetType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ElemForEach.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ElemDesc.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/dom/KeyIndex.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/templates/ElemForEach.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/ContextMatchStepPattern.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_zh.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncBoolean.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/NodeSetType.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/CurrentCall.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/trax/TransformerHandlerImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/When.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/res/XSLTErrorResources_pl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/utils/SerializerMessages_zh_TW.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/utils/SerializerMessages.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/AVTPartXPath.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/ExtendedLexicalHandler.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/utils/SerializerMessages_zh_TW.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/utils/SerializerMessages.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/WhiteSpaceInfo.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/trace/EndSelectionEvent.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/trax/DOM2SAX.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/util/IntegerArray.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/util/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/error/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/XString.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/res/XResources_tr.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/res/XResources_hy.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/res/XResources_ko.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/ProcessorGlobalVariableDecl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/Step.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/error/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/error/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/ErrorMessages_pt_BR.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/error/ErrorMessages_pt_BR.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xpath/objects/XRTreeFrag.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/templates/ElemNumber.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/processor/ProcessorNamespaceAlias.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/trace/TraceManager.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xpath/objects/XObject.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/templates/AVTPart.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/cmdline/getopt/GetOptsException.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/DOM.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/parse/ParameterRef.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/compiler/Template.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/res/XMLErrorResources_sk.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/dom3/DOMLocatorImpl.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xml/serializer/dom3/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
  jar/org/apache/xalan/xsltc/compiler/util/Util.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/compiler/util/CompareGenerator.java
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  jar/com/ctc/wstx/msv/GenericMsvValidator.java
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  jar/com/ctc/wstx/dtd/DefaultAttributeValue.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-
  jar/com/ctc/wstx/st/ValidatingStreamReader.java
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 * /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-
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compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TLList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TTType.cs
lib/csharp/src/Server/TServer.cs
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lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTTransport.cs
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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

```plaintext
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```c
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L. Peter Deutsch
ghost@aladdin.com

*/
```

-----------------------------------
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*/
package org.apache.batik.ext.awt.image.codec.util;

import java.awt.Point;
import java.awt.Rectangle;
import java.awt.image.ColorModel;
import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.awt.image.SampleModel;
import java.awt.image.WritableRaster;
import java.util.Vector;
import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

/**
 * A simple class implemented the <code>RenderedImage</code> interface. Only the <code>getTile()</code> method needs to be
 * implemented by subclasses. The instance variables must also be
 * filled in properly.
 * 
 * <p>Normally in JAI <code>PlanarImage</code> is used for this
 * purpose, but in the interest of modularity the
 * use of <code>PlanarImage</code> has been avoided.
 * 
 * @version $Id: SimpleRenderedImage.java 498747 2007-01-22 18:56:19Z dvholten $
 */
public abstract class SimpleRenderedImage implements RenderedImage {

    /** The X coordinate of the image's upper-left pixel. */
    protected int minX;

    /** The Y coordinate of the image's upper-left pixel. */
    protected int minY;

    /** The image's width in pixels. */
    protected int width;

    /** The image's height in pixels. */
    protected int height;

    /** The width of a tile. */
    protected int tileWidth;

    /** The height of a tile. */
    protected int tileHeight;

    /** The X coordinate of the upper-left pixel of tile (0, 0). */
    protected int tileGridXOffset = 0;

    /** The Y coordinate of the upper-left pixel of tile (0, 0). */
    protected int tileGridYOffset = 0;

    /** The image's SampleModel. */
    protected SampleModel sampleModel = null;

    /** The image's ColorModel. */
protected ColorModel colorModel = null;

/** The image's sources, stored in a Vector. */
protected List sources = new ArrayList();

/** A Hashtable containing the image properties. */
protected Map properties = new HashMap();

public SimpleRenderedImage() {} 

/** Returns the X coordinate of the leftmost column of the image. */
public int minX() {
    return minX;
}

/**
 * Returns the X coordinate of the column immediately to the
 * right of the rightmost column of the image. getMaxX() is
 * implemented in terms of getMinX() and getWidth() and so does
 * not need to be implemented by subclasses.
 */
public final int maxX() {
    return getMinX() + getWidth();
}

/** Returns the X coordinate of the uppermost row of the image. */
public int minY() {
    return minY;
}

/**
 * Returns the Y coordinate of the row immediately below the
 * bottom row of the image. getMaxY() is implemented in terms of
 * getMinY() and getHeight() and so does not need to be
 * implemented by subclasses.
 */
public final int maxY() {
    return getMinY() + getHeight();
}

/** Returns the width of the image. */
public int width() {
    return width;
}

/** Returns the height of the image. */
public int height() {
/** Returns a Rectangle indicating the image bounds. */
public Rectangle getBounds() {
    return new Rectangle(getMinX(), getMinY(),
                         getWidth(), getHeight());
}

/** Returns the width of a tile. */
public int getTileWidth() {
    return tileWidth;
}

/** Returns the height of a tile. */
public int getTileHeight() {
    return tileHeight;
}

/**
 * Returns the X coordinate of the upper-left pixel of tile (0, 0).
 */
public int getTileGridXOffset() {
    return tileGridXOffset;
}

/**
 * Returns the Y coordinate of the upper-left pixel of tile (0, 0).
 */
public int getTileGridYOffset() {
    return tileGridYOffset;
}

/**
 * Returns the horizontal index of the leftmost column of tiles.
 * getMinTileX() is implemented in terms of getMinX()
 * and so does not need to be implemented by subclasses.
 */
public int getMinTileX() {
    return XToTileX(getMinX());
}

/**
 * Returns the horizontal index of the rightmost column of tiles.
 * getMaxTileX() is implemented in terms of getMaxX()
 * and so does not need to be implemented by subclasses.
 */
public int getMaxTileX() {
    return XToTileX(getMaxX() - 1);
public int getNumXTiles() {
    return getMaxTileX() - getMinTileX() + 1;
}

public int getMinTileY() {
    return YToTileY(getMinY());
}

public int getMaxTileY() {
    return YToTileY(getMaxY() - 1);
}

public int getNumYTiles() {
    return getMaxTileY() - getMinTileY() + 1;
}

/**
 * Returns the SampleModel of the image.
 */
public SampleModel getSampleModel() {
    return sampleModel;
}

/**
 * Returns the ColorModel of the image.
 */
public ColorModel getColorModel() {
    return colorModel;
}
/**
 * Gets a property from the property set of this image. If the
 * property name is not recognized, <code>null</code> will be returned.
 * @param name the name of the property to get, as a
 * <code>String</code>.
 * @return a reference to the property
 * <code>Object</code>, or the value <code>null</code>
 */
public Object getProperty(String name) {
    name = name.toLowerCase();
    return properties.get(name);
}

/**
 * Returns a list of the properties recognized by this image. If
 * no properties are available, an empty String[] will be returned.
 * @return an array of <code>String</code>s representing valid
 * property names.
 */
public String[] getPropertyNames() {
    String[] names = new String[properties.size()];
    // int index = 0;
    // Enumeration e = properties.keys();
    // while (e.hasMoreElements()) {
    // String name = (String)e.nextElement();
    // names[index++] = name;
    // }
    properties.keySet().toArray( names );
    return names;
}

/**
 * Returns an array of <code>String</code>s recognized as names by
 * this property source that begin with the supplied prefix. If
 * no property names match, <code>null</code> will be returned.
 * The comparison is done in a case-independent manner.
 * @param name the name of the property to get, as a
 * <code>String</code>.
 * @return an array of <code>String</code>s giving the valid
 * property names (can be null).
 */
public String[] getPropertyNames(String prefix) {
    String[] propertyNames = getPropertyNames();
    if (propertyNames == null) {
        return null;
    }
    prefix = prefix.toLowerCase();

    List names = new ArrayList();
    for (int i = 0; i < propertyNames.length; i++) {
        if (propertyNames[i].startsWith(prefix)) {
            names.add(propertyNames[i]);
        }
    }
    if (names.size() == 0) {
        return null;
    }
    // Copy the strings from the Vector over to a String array.
    String[] prefixNames = new String[names.size()];
    //        int count = 0;
    //        for (Iterator it = names.iterator(); it.hasNext(); ) { // todo xx.toArray()
    //            prefixNames[count++] = (String)it.next();
    //        }
    names.toArray(prefixNames);
    return prefixNames;
}

// Utility methods.

/**
 * Converts a pixel's X coordinate into a horizontal tile index
 * relative to a given tile grid layout specified by its X offset
 * and tile width.
 */
public static int XToTileX(int x, int tileGridXOffset, int tileWidth) {
    x -= tileGridXOffset;
    if (x < 0) {
        x += 1 - tileWidth; // Force round to -infinity
    }
    return x/tileWidth;
}

/**
* Converts a pixel's Y coordinate into a vertical tile index relative to a given tile grid layout specified by its Y offset and tile height.
* /
public static int YToTileY(int y, int tileGridYOffset, int tileHeight) {
    y -= tileGridYOffset;
    if (y < 0) {
        y += 1 - tileHeight; // Force round to -infinity
    }
    return y/tileHeight;
}

/**
* Converts a pixel's X coordinate into a horizontal tile index. This is a convenience method. No attempt is made to detect out-of-range coordinates.
* @param x the X coordinate of a pixel.
* @return the X index of the tile containing the pixel.
*/
public int XToTileX(int x) {
    return XToTileX(x, getTileGridXOffset(), getTileWidth());
}

/**
* Converts a horizontal tile index into the X coordinate of its upper left pixel relative to a given tile grid layout specified by its X offset and tile width.
* /
public static int tileXToX(int tx, int tileGridXOffset, int tileWidth) {
    return tx*tileWidth + tileGridXOffset;
}

/**
* Converts a vertical tile index into the Y coordinate of its upper left pixel relative to a given tile grid layout
*
* specified by its Y offset and tile height.
*/
public static int tileYToY(int ty, int tileGridYOffset, int tileHeight) {
    return ty*tileHeight + tileGridYOffset;
}

/**
 * Converts a horizontal tile index into the X coordinate of its
 * upper left pixel. This is a convenience method. No attempt is made
 * to detect out-of-range indices.
 *
 * @param tx the horizontal index of a tile.
 * @return the X coordinate of the tile's upper left pixel.
 */
public int tileXToX(int tx) {
    return tx*tileWidth + tileGridXOffset;
}

/**
 * Converts a vertical tile index into the Y coordinate of its
 * upper left pixel. This is a convenience method. No attempt is made
 * to detect out-of-range indices.
 *
 * @param ty the vertical index of a tile.
 * @return the Y coordinate of the tile's upper left pixel.
 */
public int tileYToY(int ty) {
    return ty*tileHeight + tileGridYOffset;
}

public Vector getSources() {
    return null;
}

/**
 * Returns the entire image in a single Raster. For images with
 * multiple tiles this will require making a copy.
 *
 * <p> The returned Raster is semantically a copy. This means
 * that updates to the source image will not be reflected in the
 * returned Raster. For non-writable (immutable) source images,
 * the returned value may be a reference to the image's internal
 * data. The returned Raster should be considered non-writable;
 * any attempt to alter its pixel data (such as by casting it to
 * WritableRaster or obtaining and modifying its DataBuffer) may
 * result in undefined behavior. The copyData method should be
 * used if the returned Raster is to be modified.
 *
* @return a Raster containing a copy of this image's data.
*/
public Raster getData() {
    Rectangle rect = new Rectangle(getMinX(), getMinY(),
    getWidth(), getHeight());
    return getData(rect);
}

/**
 * Returns an arbitrary rectangular region of the RenderedImage
 * in a Raster. The rectangle of interest will be clipped against
 * the image bounds.
 *
 * <p>The returned Raster is semantically a copy. This means
 * that updates to the source image will not be reflected in the
 * returned Raster. For non-writable (immutable) source images,
 * the returned value may be a reference to the image's internal
 * data. The returned Raster should be considered non-writable;
 * any attempt to alter its pixel data (such as by casting it to
 * WritableRaster or obtaining and modifying its DataBuffer) may
 * result in undefined behavior. The copyData method should be
 * used if the returned Raster is to be modified.
 *
 * @param bounds the region of the RenderedImage to be returned.
 */
public Raster getData(Rectangle bounds) {
    int startX = XToTileX(bounds.x);
    int startY = YToTileY(bounds.y);
    int endX = XToTileX(bounds.x + bounds.width - 1);
    int endY = YToTileY(bounds.y + bounds.height - 1);
    Raster tile;
    if ((startX == endX) && (startY == endY)) {
        tile = getTile(startX, startY);
        return tile.createChild(bounds.x, bounds.y,
            bounds.width, bounds.height,
            bounds.x, bounds.y, null);
    } else {
        // Create a WritableRaster of the desired size
        SampleModel sm =
            sampleModel.createCompatibleSampleModel(bounds.width,
            bounds.height);

        // Translate it
        WritableRaster dest =
            Raster.createWritableRaster(sm, bounds.getLocation());

        for (int j = startY; j <= endY; j++) {
            }
        }
    }
for (int i = startX; i <= endX; i++) {
    tile = getTile(i, j);
    Rectangle intersectRect =
        bounds.intersection(tile.getBounds());
    Raster liveRaster = tile.createChild(intersectRect.x,
        intersectRect.y,
        intersectRect.width,
        intersectRect.height,
        intersectRect.x,
        intersectRect.y,
        null);
    dest.setDataElements(0, 0, liveRaster);
}
return dest;

/**
 * Copies an arbitrary rectangular region of the RenderedImage
 * into a caller-supplied WritableRaster. The region to be
 * computed is determined by clipping the bounds of the supplied
 * WritableRaster against the bounds of the image. The supplied
 * WritableRaster must have a SampleModel that is compatible with
 * that of the image.
 * 
 * <p> If the raster argument is null, the entire image will
 * be copied into a newly-created WritableRaster with a SampleModel
 * that is compatible with that of the image.
 * 
 * @param dest a WritableRaster to hold the returned portion of
 * the image.
 * @return a reference to the supplied WritableRaster, or to a
 * new WritableRaster if the supplied one was null.
 */
public WritableRaster copyData(WritableRaster dest) {
    Rectangle bounds;
    Raster tile;

    if (dest == null) {
        bounds = getBounds();
        Point p = new Point(minX, minY);
        /* A SampleModel to hold the entire image. */
        SampleModel sm = sampleModel.createCompatibleSampleModel(
            width, height);
        dest = Raster.createWritableRaster(sm, p);
    } else {
        bounds = dest.getBounds();
        ...
int startX = XToTileX(bounds.x);
int startY = YToTileY(bounds.y);
int endX = XToTileX(bounds.x + bounds.width - 1);
int endY = YToTileY(bounds.y + bounds.height - 1);

for (int j = startY; j <= endY; j++) {
    for (int i = startX; i <= endX; i++) {
        tile = getTile(i, j);
        Rectangle intersectRect =
            bounds.intersection(tile.getBounds());
        Raster liveRaster = tile.createChild(intersectRect.x,
            intersectRect.y,
            intersectRect.width,
            intersectRect.height,
            intersectRect.x,
            intersectRect.y,
            null);

        /*
        * WritableRaster.setDataElements takes into account of
        * inRaster's minX and minY and add these to x and y. Since
        * liveRaster has the origin at the correct location, the
        * following call should not again give these coordinates in
        * places of x and y.
        */
        dest.setDataElements(0, 0, liveRaster);
    }
}
return dest;
/*
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*/

package org.apache.batik.ext.awt.image.codec.util;

import java.awt.image.ColorModel;
import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.io.IOException;
import java.io.OutputStream;

/**
 * A partial implementation of the ImageEncoder interface useful for
 * subclassing.
 *
 * <p>This class is not a committed part of the JAI API. It may
 * be removed or changed in future releases of JAI.</p>
 *
 * @version $Id: ImageEncoderImpl.java 498740 2007-01-22 18:35:57Z dvholten $
 */
public abstract class ImageEncoderImpl implements ImageEncoder {

    /** The OutputStream associcted with this ImageEncoder. */
    protected OutputStream output;

    /** The ImageEncodeParam object associcted with this ImageEncoder. */
    protected ImageEncodeParam param;

    /**
     * Constructs an ImageEncoderImpl with a given OutputStream
     * and ImageEncoderParam instance.
     */
    public ImageEncoderImpl(OutputStream output,
                            ImageEncodeParam param) {
        this.output = output;
        this.param = param;
    }

    /**
     * Returns the current parameters as an instance of the
     * ImageEncodeParam interface. Concrete implementations of this
     * interface will return corresponding concrete implementations of
     * the ImageEncodeParam interface. For example, a JPEGImageEncoder
     * will return an instance of JPEGEncodeParam.
     */
    public ImageEncodeParam getParam() {
        return param;
    }
}
/**
 * Sets the current parameters to an instance of the
 * ImageEncodeParam interface. Concrete implementations
 * of ImageEncoder may throw a RuntimeException if the
 * params argument is not an instance of the appropriate
 * subclass or subinterface. For example, a JPEGImageEncoder
 * will expect param to be an instance of JPEGEncodeParam.
 */
public void setParam(ImageEncodeParam param) {
    this.param = param;
}

/**
 * Returns the OutputStream associated with this ImageEncoder.
 */
public OutputStream getOutputStream() {
    return output;
}

/**
 * Encodes a Raster with a given ColorModel and writes the output
 * to the OutputStream associated with this ImageEncoder.
 */
public void encode(Raster ras, ColorModel cm) throws IOException {
    RenderedImage im = new SingleTileRenderedImage(ras, cm);
    encode(im);
}

/**
 * Encodes a RenderedImage and writes the output to the
 * OutputStream associated with this ImageEncoder.
 */
public abstract void encode(RenderedImage im) throws IOException;

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package org.apache.batik.ext.awt.image.codec.util;

import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.io.IOException;
import java.io.InputStream;

/**
 * A partial implementation of the <code>ImageDecoder</code> interface
 * useful for subclassing.
 *
 * @version $Id: ImageDecoderImpl.java 498740 2007-01-22 18:35:57Z dvholten $
 */
public abstract class ImageDecoderImpl implements ImageDecoder {

/**
 * The <code>SeekableStream</code> associated with this
 * <code>ImageEncoder</code>.
 */
protected SeekableStream input;

/**
 * The <code>ImageDecodeParam</code> object associated with this
 * <code>ImageEncoder</code>.
 */
protected ImageDecodeParam param;

/**
 * Constructs an <code>ImageDecoderImpl</code> with a given
 * <code>SeekableStream</code> and <code>ImageDecodeParam</code>
 * instance.
 */
public ImageDecoderImpl(SeekableStream input,
       ImageDecodeParam param) {
    this.input = input;
    this.param = param;
}

/**
 * Constructs an <code>ImageDecoderImpl</code> with a given
 * <code>InputStream</code> and <code>ImageDecodeParam</code>
 * instance. The <code>input</code> parameter will be used to
 * construct a <code>ForwardSeekableStream</code>; if the ability
 * to seek backwards is required, the caller should construct

* an instance of `<code>SeekableStream</code>` and
* make use of the other constructor.
*/

```java
public ImageDecoderImpl(InputStream input,
                        ImageDecodeParam param) {
    this.input = new ForwardSeekableStream(input);
    this.param = param;
}
/**
* Returns the current parameters as an instance of the
* `<code>ImageDecodeParam</code>` interface. Concrete
* implementations of this interface will return corresponding
* concrete implementations of the `<code>ImageDecodeParam</code>`
* interface. For example, a `<code>JPEGImageDecoder</code>` will
* return an instance of `<code>JPEGDecodeParam</code>`.
*/
public ImageDecodeParam getParam() {
    return param;
}
/**
* Sets the current parameters to an instance of the
* `<code>ImageDecodeParam</code>` interface. Concrete
* implementations of `<code>ImageDecoder</code>` may throw a
* `<code>RuntimeException</code>` if the `<code>param</code>`
* argument is not an instance of the appropriate subclass or
* subinterface. For example, a `<code>JPEGImageDecoder</code>`
* will expect `<code>param</code>` to be an instance of
* `<code>JPEGDecodeParam</code>`.
*/
public void setParam(ImageDecodeParam param) {
    this.param = param;
}
/**
* Returns the `<code>SeekableStream</code>` associated with
* this `<code>ImageDecoder</code>`.
*/
public SeekableStream getInputStream() {
    return input;
}
/**
* Returns the number of pages present in the current stream.
* By default, the return value is 1. Subclasses that deal with
* multi-page formats should override this method.
*/
public int getNumPages() throws IOException {
    return 1;
}

/**
 * Returns a <code>Raster</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. Only
 * the first page of a multi-page image is decoded.
 */
public Raster decodeAsRaster() throws IOException {
    return decodeAsRaster(0);
}

/**
 * Returns a <code>Raster</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. The given page of a multi-page image is decoded. If
 * the page does not exist, an IOException will be thrown.
 * Page numbering begins at zero.
 *
 * @param page The page to be decoded.
 */
public Raster decodeAsRaster(int page) throws IOException {
    RenderedImage im = decodeAsRenderedImage(page);
    return im.getData();
}

/**
 * Returns a <code>RenderedImage</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. Only
 * the first page of a multi-page image is decoded.
 */
public RenderedImage decodeAsRenderedImage() throws IOException {
    return decodeAsRenderedImage(0);
}

/**
 * Returns a <code>RenderedImage</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. The given page of a multi-page image is decoded. If
 * the page does not exist, an IOException will be thrown.
 * Page numbering begins at zero.
 *
 * @param page The page to be decoded.
public abstract RenderedImage decodeAsRenderedImage(int page)
    throws IOException;
}

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1.1117 jackson-jaxrs 2.9.10

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### 1.1118 slf4j 1.7.24

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
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themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

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redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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modify it under the terms of the GNU Lesser General Public
License as published by the Free Software Foundation; either
version 2.1 of the License, or (at your option) any later version.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.
1.1132 mesa 10.6.5 3.20150824.el7
1.1132.1 Available under license:

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> > > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

Some parts of Mesa are copyrighted under the GNU LGPL. See the Mesa/docs/COPYRIGHT file for details.

The following is the standard GNU copyright file.

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
Preamble

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This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3.0.3-release-sources-2-jar/org/springframework/security/authentication/encoding/Md4PasswordEncoder.java
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/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be checked. May be null
 * in which case implementations should return false, as the null condition can be checked explicitly
 * in the expression.
 * @param permission a representation of the permission object as supplied by the expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3.0.3-release-sources-2-jar/org/springframework/security/access/PermissionEvaluator.java
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/**
 * A token issued by {@link TokenService}.
 *
 * It is important that the keys assigned to tokens are sufficiently randomised and secured that
 * they can serve as identifying a unique user session. Implementations of [@link TokenService]
 * are free to use encryption or encoding strategies of their choice. It is strongly recommended that
 * keys are of sufficient length to balance safety against persistence cost. In relation to persistence
 * cost, it is strongly recommended that returned keys are small enough for encoding in a cookie.
 * */

@since 2.0.1

Found in path(s):
*/

Base64 encoder which is a reduced version of Robert Harder’s public domain implementation.
* See &lt;a href="http://iharder.net/base64">http://iharder.net/base64</a> for more information.

* For internal use only.

* @since 3.0

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* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/AnonymousAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/RememberMeAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/core/session/SessionRegistryImpl.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/access/annotation/Jsr250MethodSecurityMetadataSource.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureProviderNotFoundEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureServiceExceptionEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureBadCredentialsEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/remoting/httpinvoker/AuthenticationSimpleHttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/jaas/JaasPasswordCallbackHandler.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/core/userdetails/memory/UserMap.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/core/userdetails/AuthenticationCredentialsNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/core/userdetails/AbstractAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/core/AuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/remoting/httpinvoker/AuthenticationSimpleHttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureCredentialsExpiredEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureServiceExceptionEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/event/AuthenticationFailureBadCredentialsEvent.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2-
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   */
/**
 * Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest Algorithm.
 *
 * @author Alan Stewart
 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/authentication/encoding/Md4.java
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* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/remoting/dns/InitialContextFactory.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/remoting/dns/JndiDnsResolver.java
* /opt/ws_local/PERMITS_SQL/1068303981_1597130153.08/0/spring-security-core-3-0-3-release-sources-2.jar/org/springframework/security/remoting/dns/DnsEntryNotFoundException.java
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 */
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 * Reviews the <code>Object</code> returned from a secure object invocation,
 * being able to modify the <code>Object</code> or throw an {@link AccessDeniedException}.
 * <p>
 * Typically used to ensure the principal is permitted to access the domain
 * object instance returned by a service layer bean. Can also be used to
 * mutate the domain object instance so the principal is only able to access
 * authorised bean properties or <code>Collection</code> elements.
 * <p>
 * Special consideration should be given to using an
 * <code>AfterInvocationManager</code> on bean methods that modify a database.
 * Typically an <code>AfterInvocationManager</code> is used with read-only
 * methods, such as <code>public DomainObject getById(id)</code>. If used with
 * methods that modify a database, a transaction manager should be used to
 * ensure any <code>AccessDeniedException</code> will cause a rollback of the
 * changes made by the transaction.
 * <p>
 * @author Ben Alex
 */
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Theodore Ts'o
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1.1136 oshi-core 5.2.5

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1.1142 commons-fileupload 1.2

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1.1143 jackson 2.5.3

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1.1144 rpcbind 0.2.0 32.el7

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1.1145 morfologik-polish 1.7.1

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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java

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1.1151 tomcat-annotations-api 8.0.43

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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<signature of Ty Coon>, 1 April 1989
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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<signature of Ty Coon>, 1 April 1990
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1.1154 util-linux 2.23.2-43.el7
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001
Create 1st primary partition
ada64ace122978d00d1d1e0e5ee45d26 bsd.img
---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a8a045db233418dd73fbeb bsd.img
---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img
---layout--------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):
4 partitions:
# start   end   size   fstype  [fsizes bsize cpg]
c:  4096   20479  16384  unused   0    0
\nCommand (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):
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Changes will remain in memory only, until you decide to write them.
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Command (m for help):
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Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):
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Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
1.1155 lz4 1.7.5-2.el7

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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/

/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a derived key from the {@code keyDerivationKey} for either encryption / decryption or for authentication.
 * 
 * @param keyDerivationKey  A key used as an input to a key derivation function to derive other keys. This is the key that generally is created using some key generation mechanism such as {@link #generateSecretKey(String, int)}. The "input" key from which the other keys are derived. The derived key will have the same algorithm type as this key.
 * @param keySize The cipher's key size (in bits) for the {@code keyDerivationKey}. Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
 * @param purpose The purpose for the derived key. Must be either the string "encryption" or "authenticity". Use "encryption" for
*/

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creating a derived key to use for confidentiality, and "authenticity"

for a derived key to use with a MAC to ensure message authenticity.

@returns The derived `SecretKey` to be used according to the specified purpose. Note that this serves the same purpose as "label" in section 5.1 of NIST SP 800-108.

@throws NoSuchAlgorithmException The `keyDerivationKey` has an unsupported encryption algorithm or no current JCE provider supports "HmacSHA1".

@throws EncryptionException If "UTF-8" is not supported as an encoding, then this is thrown with the original `UnsupportedEncodingException` as the cause. (NOTE: This should never happen as "UTF-8" is supposed to be a common encoding supported by all Java implementations. Support for it is usually in rt.jar.)

@throws InvalidKeyException Likely indicates a coding error. Should not happen.

@throws EncryptionException Throw for some precondition violations.

@deprecated Use `KeyDerivationFunction` instead. This method will be removed as of ESAPI release 2.1 so if you are using this, please change your code.

/**

* Return true if specified cipher mode is one of those specified in the `ESAPI.properties` file that supports both confidentiality and authenticity (i.e., a "combined cipher mode" as NIST refers to it).

* @param cipherMode The specified cipher mode to be used for the encryption or decryption operation.

* @return true if the specified cipher mode is in the comma-separated list of cipher modes supporting both confidentiality and authenticity; otherwise false.

* @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()

*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/crypto/CryptoHelper.java

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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/filters/SecurityWrapperResponse.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */

// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

Found in path(s):
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 * @created 2007
 */
/**
 * Executes a system command after checking that the executable exists and
 * escaping all the parameters to ensure that injection is impossible.
 * Implementations must change to the specified working
 * directory before invoking the command.
 *
 * @param executable
 *            the command to execute
 * @param params
 *            the parameters of the command being executed
 * @param workdir
 *            the working directory
 * @param codec
 *            the codec to use to encode for the particular OS in use
 * @param logParams
 *            use false if any parameters contains sensitive or confidential information
 *
 * @return the output of the command being run
 *
 * @throws ExecutorException
 *             the service exception
 */

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/Executor.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

/**
 * Return a <code>List</code> of strings of combined cipher modes that support
 * <i>both</i> confidentiality and authenticity. These would be preferred
 * cipher modes to use if your JCE provider supports them. If such a
 * cipher mode is used, no explicit <i>separate</i> MAC is calculated as part of
* the {@code CipherText} object upon encryption nor is any attempt made
* to verify the same on decryption.
* </p><p>
* The list is taken from the comma-separated list of cipher modes specified
* by the ESAPI property
* {@code Encryptor.cipher_modes.combined_modes}.
*
* @return The parsed list of comma-separated cipher modes if the property
* was specified in {@code ESAPI.properties}; otherwise the empty list is
* returned.
*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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The method is ESAPI's Key Derivation Function (KDF) that computes a
derived key from the {code keyDerivationKey} for either
encryption / decryption or for authentication.

* <p>
* <b>CAUTION:</b> If this algorithm for computing derived keys from the
* key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
* able to decrypt data previously encrypted with earlier / different versions
* of this method. Therefore, do not change this unless you are 100% certain that
* what you are doing will NOT change either of the derived keys for
* ANY "key derivation key" AT ALL!!!
* <p>
* <b>NOTE:</b> This method is generally not intended to be called separately.
* It is used by ESAPI's reference crypto implementation class {code JavaEncryptor}
* and might be useful for someone implementing their own replacement class, but
* generally it is not something that is useful to application client code.

* @param keyDerivationKey  A key used as an input to a key derivation function
to derive other keys. This is the key that generally
is created using some key generation mechanism such as
[@link CryptoHelper#generateSecretKey(String, int)]. The
"input" key from which the other keys are derived.

The derived key will have the same algorithm type
as this key. This KDK cannot be null.

* @param keySize The cipher's key size (in bits) for the [@code keyDerivationKey].
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <b>Note:</b> The derived key will have the same size as this.

* @param purpose The purpose for the derived key. For the ESAPI reference implementation,
* [&code JavaEncryptor], this <i.must</i> be either the string "encryption" or
* "authenticity", where "encryption" is used for creating a derived key to use
* for confidentiality, and "authenticity" is used for creating a derived key to
* use with a MAC to ensure message authenticity. However, since parameter serves
* the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
* be set to anything other than [@code null] or an empty string when called outside
* of [@code JavaEncryptor].
* @return The derived [@code SecretKey] to be used according
* to the specified purpose.

* @throws NoSuchAlgorithmException The [@code keyDerivationKey] has an unsupported
* encryption algorithm or no current JCE provider supports
* "HmacSHA1".
* @throws EncryptionException If "UTF-8" is not supported as an encoding, then
* this is thrown with the original [@code UnsupportedEncodingException]
* as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
* be a common encoding supported by all Java implementations. Support
* is for it is usually in rt.jar.)
* @throws InvalidKeyException Likely indicates a coding error. Should not happen.
* @throws EncryptionException Thow for some precondition violations.
*/

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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
/**
* { @inheritDoc }
*
* The reference implementation sets the work directory, escapes the parameters as per the Codec in use,
* and then executes the command without using concatenation. The exact, absolute, canonical path of each
* executable must be listed as an approved executable in the ESAPI properties. The executable must also
* exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if
* you are going to invoke this interface with confidential information.
*/

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  jar/org/owasp/esapi/reference/DefaultExecutor.java
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/**
* Encodes and decodes to and from Base64 notation.</p>
* <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
* 
* The <tt>options</tt> parameter, which appears in a few places, is used to pass
* several pieces of information to the encoder. In the "higher level" methods such as
* encodeBytes( bytes, options ) the options parameter can be used to indicate such
* things as first gzipping the bytes before encoding them, not inserting linefeeds
* (though that breaks strict Base64 compatibility), and encoding using the URL-safe
* and Ordered dialects.</p>
* 
* The constants defined in Base64 can be OR-ed together to combine options, so you
* might make a call like this:</p>
* 
* String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );</code>
* 
* to compress the data before encoding it and then making the output have no newline characters.</p>
* 
* 
* Change Log:
* 
*/
* <ul>
* <li>v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
* Base64.InputStream class to encode and decode on the fly which uses
* less memory than encoding/decoding an entire file into memory before writing.</li>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~< 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from
* one file to the next. Also added a main() method to support command line
* encoding/decoding from one file to the next. Also added these Base64 dialects:
* </li>
* <ol>
* <li>The default is RFC3548 format.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
* URL and file name friendly format that preserves lexical ordering as described
* in http://www.faqs.org/qa/rfcc-1940.html</li>
* </ol>
* Special thanks to Jim Kellerman at a href="http://www.powerset.com/">http://www.powerset.com/</a>
* for contributing the new Base64 dialects.
* </ul>
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.</li>
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* v2.0 - I got rid of methods that used booleans to set options.
* Now everything is more consolidated and cleaner. The code now detects
* when data that's being decoded is gzip-compressed and will decompress it
* automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new
* options format (&lt;tt&gt;int&lt;/tt&gt;s that you "OR" together).</li>
* v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using &lt;tt&gt;decode( String s, boolean gzipCompressed )&lt;/tt&gt;.
* Added the ability to "suspend" encoding in the Output Stream so
* you can turn on and off the encoding if you need to embed base64
* data in an otherwise "normal" stream (like an XML file).</li>
* v1.5 - Output stream pases on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.
* v1.4 - Added helper methods to read/write files.</li>
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
* where last buffer being read, if not completely full, was not returned.</li>
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* v1.3.3 - Fixed I/O streams which were totally messed up.
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This software comes with no guarantees or warranties but with plenty of well-wishing instead!
Please visit http://iharder.net/base64 periodically to check for updates or to contribute improvements.

@ author Robert Harder
@ author rob@iharder.net
@ version 2.2.2

OWASP Enterprise Security API (ESAPI)

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@ author Patrick Higgins
@ created 2010

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// Because attribute values may be confidential, we don't want to log them!

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This methods adds a provider to the (@code SecurityManager)
either by some generic name or by the class name.
</p><p>
The following generic JCE provider names are built-in:
</ul>
</li>
<li>SunJCE</li>
<li>IBMJCE [for WebSphere]</li>
<li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
<li>BC [i.e., Bouncy Castle]</li>
<li>IAIK</li>
<li>CryptixCrypto (or Cryptix)

Note that neither Cryptix or ABA are actively maintained so
it is recommended that you do not start using them for ESAPI
unless your application already has a dependency on them. Furthermore,
the Cryptix JCE jars likely will not work as the Cryptix code signing
certificate has expired as of August 28, 2009. (This likely is true
for ABA, but I can't even find a copy to download!). Lastly, the IAIK
provider is no longer offered as free, open source. It is not a
commercial product. See [@link "http://jce.iaik.tugraz.at/" for
details. While some older versions were offered free, it is not clear
whether the accompanying license still allows you to use it, and if
it does, whether or not the code signing certificate used to sign
their JCE jar(s) has expired are not. Therefore, if you are looking
for a FOSS alternative to SunJCE, Bouncy Castle
[@link "http://www.bouncycastle.org/" is probably your best bet. The
BC provider does support many the "combined cipher modes" that provide
both confidentiality and authenticity. (See the [@code ESAPI.properties]
property [@code Encryptor.cipher_modes.combined_modes] for details.)
</p><p>
For those working in the U.S. federal government, it should be noted
that <i>none</i> of the providers listed here are considered validated
by NIST's Cryptographic Module Validation Program and are therefore
considered FIPS 140-2 compliant. There are a few approved
* JCE compatible Java libraries that are on NIST's CMVP list, but this
* list changes constantly so they are not listed here. For further details
* on NIST's CMVP, see
* [ @link "http://csrc.nist.gov/groups/STM/cmvp/index.html" ].
* </p><p>
* Finally, if you wish to use some other JCE provider not recognized above,
* you must specify the provider's fully-qualified class name (which in
* turn must have a public, no argument constructor).
* </p><p>
* The application must be given the [ @code SecurityPermission] with a
* value of [ @code insertProvider.&lt;provider_name&gt; ] (where
* &lt;provider_name&gt; is the name of the algorithm provider if
* a security manager is installed.
* </p>

* @param algProvider Name of the JCE algorithm provider. If the name
* contains a ".", this is interpreted as the name
* of a [ @code java.security.Provider] class name.
* @param pos The preference position (starting at 1) that the
caller would like for this provider. If you wish
* for it to be installed as the &lt;i&gt;last&lt;/i&gt; provider
* (as of the time of this call), set [ @code pos] to -1.
* @return The actual preference position at which the provider was added,
* or -1 if the provider was not added because it is already
* installed.
* @exception NoSuchProviderException - thrown if the provider class
* could not be loaded or added to the [ @code SecurityManager] or
* any other reason for failure.
*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
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  */
/**
 * An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack
 * in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by
 * either specially logging the event, logging out the current user, or invalidating the current user's account.
 * <P>
 * Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from
 * anywhere and will not require a lot of special exception handling.
 *
 * @author Jeff Williams (jeff.williams@aspectsecurity.com)
 */

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
  jar/org/owasp/esapi/errors/IntrusionException.java
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 * @created 2010
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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/EnterpriseSecurityRuntimeException.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/EncryptionRuntimeException.java

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 * @created 2009
 */

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/BeanShellRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/BlockAction.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/RedirectAction.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/EnforceHTTPSRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/configuration/ConfigurationParser.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/DefaultAction.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/Action.java
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// version.

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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/ValidationErrorList.java
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1.1161 libsepol 2.5-6.el7
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1.1180 jna 4.1.0

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*/opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/xf86drmMode.c
*/opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/xf86drmMode.h

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*/

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/include/drm/mga_drm.h

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/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
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* *
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
* *
* DESCRIPTION
* *
* This file contains a straightforward implementation of a fixed-sized
* hash table using self-organizing linked lists [Knuth73, pp. 398-399] for
* collision resolution. There are two potentially interesting things
* about this implementation:
* 1) The table is power-of-two sized. Prime sized tables are more traditional, but do not have a significant advantage over power-of-two sized table, especially when double hashing is not used for collision resolution.
* 2) The hash computation uses a table of random integers [Hanson97, pp. 39-41].

* FUTURE ENHANCEMENTS
* With a table size of 512, the current implementation is sufficient for a few hundred keys. Since this is well above the expected size of the tables for which this implementation was designed, the implementation of dynamic hash tables was postponed until the need arises. A common (and naive) approach to dynamic hash table implementation simply creates a new hash table when necessary, rehashes all the data into the new table, and destroys the old table. The approach in [Larson88] is superior in two ways: 1) only a portion of the table is expanded when needed, distributing the expansion cost over several insertions, and 2) portions of the table can be locked, enabling a scalable thread-safe implementation.

* REFERENCES

*/

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/* radeon_drm.h -- Public header for the radeon driver. * linux-c */

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/tests/vbltest/vbltest.c

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// xf86drmRandom.c -- "Minimal Standard" PRNG Implementation
* Created: Mon Apr 19 08:28:13 1999 by faith@precisioninsight.com
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* DESCRIPTION

* This file contains a simple, straightforward implementation of the Park & Miller "Minimal Standard" PRNG [PM88, PMS93], which is a Lehmer multiplicative linear congruential generator (MLCG) with a period of 2^31-1.

* This implementation is intended to provide a reliable, portable PRNG that is suitable for testing a hash table implementation and for implementing skip lists.

* FUTURE ENHANCEMENTS

* If initial seeds are not selected randomly, two instances of the PRNG can be correlated. [Knuth81, pp. 32-33] describes a shuffling technique that can eliminate this problem.

* If PRNGs are used for simulation, the period of the current implementation may be too short. [LE88] discusses methods of combining MLCGs to produce much longer periods, and suggests some alternative values for A and M. [LE90 and Sch92] also provide information on long-period PRNGs.

* REFERENCES


* [PMS93] Stephen K. Park, Keith W. Miller, and Paul K. Stockmeyer. In
  "Technical Correspondence: Remarks on Choosing and Implementing Random
  Number Generators". CACM 36(7), July 1993, pp. 105-110.
*
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/*/ drmstat.c -- DRM device status and testing program
* Created: Tue Jan  5 08:19:24 1999 by faith@precisioninsight.com
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/xf86drm.c

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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_notifier.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_notifier.c
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_device.c
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_device.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_grobj.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_grobj.c
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_resource.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_pushbuf.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_pushbuf.c
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* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_notifier.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_notifier.c
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_channel.h
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/nouveau/nouveau_bo.c
* /opt/ws_local/PERMITS_SQL/1046344265_1590604830.21/0/libdrm-2.4.23-1.elf-1.src.rpm-cosi-expand-
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* Authors:
* Kristian Høgsberg <krh@bitplanet.net>
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AC_PREREQ(2.60)
AC_INIT([libdrm], 2.4.23, [dri-devel@lists.sourceforge.net], libdrm)
AC_USE_SYSTEM_EXTENSIONS
AC_CONFIG_SRCDIR([Makefile.am])
AM_INIT_AUTOMAKE([dist-bzip2])

AM_CONFIG_HEADER([config.h])

AC_DISABLE_STATIC
AC_PROG_LIBTOOL
AC_PROG_CC
AC_HEADER_STDC
AC_SYS_LARGEFILE
AC_FUNC_ALLOCA

# Enable quiet compiles on automake 1.11.
m4_ifdef([AM_SILENT_RULES], [AM_SILENT_RULES([yes)])

PKG_CHECKMODULES(PTHREADSTUBS, pthread-stubs)
AC_SUBST(PTHREADSTUBS_CFLAGS)
AC_SUBST(PTHREADSTUBS_LIBS)

pkgconfigdir=${libdir}/pkgconfig
AC_SUBST(pkgconfigdir)
AC_ARG_ENABLE(udev, AS_HELP_STRING([--enable-udev],
[Enable support for using udev instead of mknod (default: disabled)]),
[UDEV=$enableval], [UDEV=no])

AC_ARG_ENABLE(libkms,
   AS_HELP_STRING([--disable-libkms],
   [Disable KMS mm abstraction library (default: auto)]),
   [LIBKMS=$enableval], [LIBKMS=auto])

AC_ARG_ENABLE(intel,
   AS_HELP_STRING([--disable-intel],
   [Disable Intel video drivers (default: auto)]),
   [INTEL=$enableval], [INTEL=auto])

[Enable support for intel's KMS API (default: auto)],
[INTEL=$enableval], [INTEL=auto])

AC_ARG_ENABLE(radeon,
   AS_HELP_STRING([--disable-radeon],
   [Enable support for radeon's KMS API (default: auto)]),
   [RADEON=$enableval], [RADEON=auto])

AC_ARG_ENABLE(vmwgfx-experimental-api,
   AS_HELP_STRING([--disable-vmwgfx-experimental-api],
   [Install vmwgfx's experimental kernel API header (default: disabled)]),
   [VMWGFX=$enableval], [VMWGFX=no])

AC_ARG_ENABLE(nouveau-experimental-api,
   AS_HELP_STRING([--enable-nouveau-experimental-api],
   [Enable support for nouveau's experimental API (default: disabled)]),
   [NOUVEAU=$enableval], [NOUVEAU=no])

dnl ===========================================================================
dnl check compiler flags
AC_DEFUN([LIBDRM_CC_TRY_FLAG], [
AC_MSG_CHECKING([whether $CC supports $1])
libdrm_save_CFLAGS="$CFLAGS"
CFLAGS="$CFLAGS $1"

AC_COMPILE_IFELSE([ ], [libdrm_cc_flag=yes], [libdrm_cc_flag=no])
CFLAGS="$libdrm_save_CFLAGS"

if test "x$libdrm_cc_flag" = "xyes"; then
   ifelse([$2], , :, [$2])
else
   ifelse([$3], , :, [$3])
fi
AC_MSG_RESULT([$libdrm_cc_flag])
]
)

dnl We use clock_gettime to check for timeouts in drmWaitVBlank

AC_CHECK_FUNCS([clock_gettime], [CLOCK_LIB=],
   [AC_CHECK_LIB([rt], [clock_gettime], [CLOCK_LIB=-lrt],
   [AC_MSG_ERROR([Couldn't find clock_gettime]))])
AC_SUBST([CLOCK_LIB])

dnl Use lots of warning flags with with gcc and compatible compilers

dnl Note: if you change the following variable, the cache is automatically
dnl skipped and all flags rechecked. So there's no need to do anything
dnl else. If for any reason you need to force a recheck, just change
dnl MAYBE_WARN in an ignorable way (like adding whitespace)

MAYBE_WARN="-Wall -Wextra \
-Wsighn-compare -Werror-implicit-function-declaration \
-Wpointer-arith -Wwrite-strings -Wstrict-prototypes \
-Wmissing-prototypes -Wmissing-declarations -Wnested-externs \
-Wpacked -Wswitch-enum -Wmissing-format-attribute \
-Wstrict-aliasing=2 -Winit-self -Wunsafe-loop-optimizations \
-Wdeclaration-after-statement -Wold-style-definition \
-Wno-missing-field-initializers -Wno-unused-parameter \
-Wno-attributes -Wno-long-long -Winline"

# invalidate cached value if MAYBE_WARN has changed
if test "x$libdrm_cv_warn_maybe" != "x$MAYBE_WARN"; then
  unset libdrm_cv_warn_cflags
fi
AC_CACHE_CHECK([for supported warning flags], libdrm_cv_warn_cflags, [
  echo
WARN_CFLAGS=""
]

# Some warning options are not supported by all versions of
# gcc, so test all desired options against the current
# compiler.
#
# Note that there are some order dependencies
# here. Specifically, an option that disables a warning will
# have no net effect if a later option then enables that
# warnings, (perhaps implicitly). So we put some grouped
# options (-Wall and -Wextra) up front and the -Wno options
# last.

for W in $MAYBE_WARN; do
  LIBDRM_CC_TRY_FLAG([W], [WARN_CFLAGS="$WARN_CFLAGS $W"])
done

libdrm_cv_warn_cflags=$WARN_CFLAGS
libdrm_cv_warn_maybe=$MAYBE_WARN

AC_MSG_CHECKING([which warning flags were supported]])
WARN_CFLAGS="$libdrm_cv_warn_cflags"

if test "xSUDEV" = xyes; then
  AC_DEFINE(UDEV, 1, [Have UDEV support])
fi
AC_CANONICAL_HOST
if test "xLIBKMS" = xauto ; then
case $host_os in
  linux*) LIBKMS="yes" ;;
  *) LIBKMS="no" ;;
esac
fi

AM_CONDITIONAL(HAVE_LIBKMS, [test "xLIBKMS" = xyes])

AM_CONDITIONAL(HAVE_VMWGFX, [test "xVMWGFX" = xyes]) if test "xVMWGFX" = xyes; then
  AC_DEFINE(HAVE_VMWGFX, 1, [Have vmwgfx kernel headers])
fi

AM_CONDITIONAL(HAVE_NOUVEAU, [test "xNOUVEAU" = xyes]) if test "xNOUVEAU" = xyes; then
  AC_DEFINE(HAVE_NOUVEAU, 1, [Have nouveau (nvidia) support])
fi

PKG_CHECK_MODULES(CAIRO, cairo, [HAVE_CAIRO=yes], [HAVE_CAIRO=no]) if test "xCAIRO" = xyes; then
  AC_DEFINE(HAVE_CAIRO, 1, [Have cairo support])
fi

AM_CONDITIONAL(HAVE_CAIRO, [test "xHAVE_CAIRO" = xyes])

# For enumerating devices in test case
PKG_CHECK_MODULES(LIBUDEV, libudev, [HAVE_LIBUDEV=yes], [HAVE_LIBUDEV=no]) if test "xLIBUDEV" = xyes; then
  AC_DEFINE(HAVE_LIBUDEV, 1, [Have libudev support])
fi

AM_CONDITIONAL(HAVE_LIBUDEV, [test "xHAVE_LIBUDEV" = xyes])

if test "xINTEL" != "xno" -o "xRADEON" != "xno"; then
  # Check for atomic intrinsics
  AC_CACHE_CHECK([for native atomic primitives], drm_cv_atomic_primitives,
    []
    drm_cv_atomic_primitives="none"
  )

  AC_TRY_LINK([
    int atomic_add(int i) { return __sync_fetch_and_add (&i, 1); }
    int atomic_cmpxchg(int i, int j, int k) { return __sync_val_compare_and_swap (&i, j, k); }
  ], [],
    drm_cv_atomic_primitives="Intel"
  )

  if test "xdrm_cv_atomic_primitives" = "xnone"; then
    AC_CHECK_HEADER([atomic_ops.h], drm_cv_atomic_primitives="libatomic-ops")
  fi
# atomic functions defined in <atomic.h> & libc on Solaris
if test "x$drm_cv_atomic_primitives" = "xnone"; then
    AC_CHECK_FUNC([atomic_cas_uint],
drm_cv_atomic_primitives="Solaris")
fi

if test "x$drm_cv_atomic_primitives" = xIntel; then
    AC_DEFINE(HAVE_LIBDRM_ATOMIC_PRIMITIVES, 1,
        [Enable if your compiler supports the Intel __sync_* atomic primitives])
fi

if test "x$drm_cv_atomic_primitives" = "xlibatomic-ops"; then
    AC_DEFINE(HAVE_LIB_ATOMIC_OPS, 1, [Enable if you have libatomic-ops-dev installed])
fi

if test "x$drm_cv_atomic_primitives" = "xnone"; then
    if test "x$INTEL" != "xauto"; then
        if test "x$INTEL" != "xno"; then
            AC_MSG_ERROR([libdrm_intel depends upon atomic operations, which were not found for your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package, or, failing both of those, disable support for Intel GPUs by passing --disable-intel to ./configure])
            fi
        else
            AC_MSG_WARN([Disabling libdrm_intel. It depends on atomic operations, which were not found for your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
            INTEL=no
        fi
    else
        AC_MSG_WARN([Disabling libdrm_intel. It depends on atomic operations, which were not found for your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
        INTEL=no
    fi

if test "x$RADEON" != "xauto"; then
    if test "x$RADEON" != "xno"; then
        AC_MSG_ERROR([libdrm_radeon depends upon atomic operations, which were not found for your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package, or, failing both of those, disable support for Radeon support by passing --disable-radeon to ./configure])
        fi
    else
        AC_MSG_WARN([Disabling libdrm_radeon. It depends on atomic operations, which were not found for your compiler/cpu. Try compiling with -march=native, or install the libatomics-op-dev package.])
        RADEON=no
    fi
else
    if test "x$INTEL" != "xno"; then
        INTEL=yes
    fi
    if test "x$RADEON" != "xno"; then
        RADEON=yes
    fi
fi
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*
* Authors: Rickard E. (Rik) Faith <faith@valinux.com>
*
* DESCRIPTION
*
* This file contains a straightforward skip list implementation.
*
* FUTURE ENHANCEMENTS
*
* REFERENCES
*
* Balanced Trees. CACM 33(6), June 1990, pp. 668-676.
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046344265_159064830.21/0/libdrm-2.4.23-1.el6-1.src.rpm-cosi-expand-archive-fZk7GSet/libdrm-2.4.23.tar.bz2-cosi-expand-archive-OdN83yGs/libdrm-2.4.23/xf86drmSL.c

1.1185 jackson-datatype-guava 2.12.0
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1.1190 zlib 1.2.7 15.el7
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1.1191 openssh 5.6
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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndefCompat_poll_H
#defineCompat_poll_H

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

Open Source Used In Virtualized Voice Browser 12.6(1) 12951
typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLErr 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLRDNRDM POLLRDNORM
#define POLLRDBAND 0x0080
#define POLLRDBAND POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT POLL_H_ */
#endif /* !HAVE POLL_H */

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        * @version 3.0 (December 2000)
        *
        * Optimised ANSI C code for the Rijndael cipher (now AES)
        *
        * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
        * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
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* */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.1192 jackson-mapper-asl 1.9.2

1.1193 ant 1.10.8
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1.1201 jetty-jaspi 7.1.6.v20100715

1.1202 plexus-classworlds 1.0
1.1202.1 Available under license:

/*
 $Id: LICENSE.txt,v 1.3 2003/07/31 14:32:36 mhw Exp $

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*/

/*
$Id$

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1.1203 clang 6.0.1-2.el7

1.1203.1 Available under license:

define void @autogen_SD4739(i8*) {
  ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
  BB:
  %L34 = load i8, i8* %0
  %Cmp56 = icmp sgt i8 undef, %L34
  br label %CF246
  CF246: ; preds = %CF246, %BB
  %Si163 = select i1 %Cmp56, i8 %L34, i8 undef
  br i1 undef, label %CF246, label %CF248
  CF248: ; preds = %CF248, %CF246
  store i8 %Si163, i8* %0
  br label %CF248
}

; NOTE: Assertions have been autogenerated by utils/update_ltc_test_checks.py
; RUN: llc %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit | FileCheck %s
This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

```c
define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: add256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
    ; CHECK-NEXT:  vpadd %ymm0, %ymm0
    ; CHECK-NEXT:  vpadd 32(%rsi), %ymm1, %ymm1
    ; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %d = load <16 x i32>, <16 x i32>* %a
    %e = load <16 x i32>, <16 x i32>* %b
    %f = add <16 x i32> %d, %e
    store <16 x i32> %f, <16 x i32>* %c
    ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: add512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:  vpadd %zmm0, %zmm0
    ; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %d = load <16 x i32>, <16 x i32>* %a
    %e = load <16 x i32>, <16 x i32>* %b
    %f = add <16 x i32> %d, %e
    store <16 x i32> %f, <16 x i32>* %c
    ret void
}

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: avg_v64i8_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vmovdqa (%rsi), %ymm0
    ; CHECK-NEXT:  vpavgb %ymm0, %ymm1
    ; CHECK-NEXT:  vmovdqu %ymm1, (%rax)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %l = load <64 x i8>, <64 x i8>* %a
```
define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {  
 ; CHECK-LABEL: pmaddwd_32_512:  
 ; CHECK:     # %bb.0:  
 ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0  
 ; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0  
 ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)  
 ; CHECK-NEXT: vzeroupper  
 ; CHECK-NEXT: retq  
 %A = load <32 x i16>, <32 x i16>* %APtr  
 %B = load <32 x i16>, <32 x i16>* %BPtr  
 %a = sext <32 x i16> %A to <32 x i32>  
 %b = sext <32 x i16> %B to <32 x i32>  
 %m = mul nsw <32 x i32> %a, %b  
 %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>  
 %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>  
 %ret = add <16 x i32> %odd, %even  
 store <16 x i32> %ret, <16 x i32>* %CPtr  
 ret void  
}  

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %ypr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {  
 ; CHECK-LABEL: psubus_64i8_max_256:  
 ; CHECK:     # %bb.0:  
 ; CHECK-NEXT: vmovdqa (%rdi), %ymm0  
 ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1  
 ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm0  
 ; CHECK-NEXT: vpmaddwd 32(%rsi), %ymm1, %ymm1  
 ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)  
 ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)  
 ; CHECK-NEXT: vzeroupper  
 ; CHECK-NEXT: vzeroupper  
 ; CHECK-NEXT: retq  
 %A = load <32 x i16>, <32 x i16>* %APtr  
 %B = load <32 x i16>, <32 x i16>* %BPtr  
 %a = sext <32 x i16> %A to <32 x i32>  
 %b = sext <32 x i16> %B to <32 x i32>  
 %m = mul nsw <32 x i32> %a, %b  
 %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>  
 %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> %i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>  
 %ret = add <16 x i32> %odd, %even  
 store <16 x i32> %ret, <16 x i32>* %CPtr  
 ret void  
}
define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: psubus_64i8_max_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:    vpsubusb (%rsi), %zmm0, %zmm0
    ; CHECK-NEXT:    vmovdqa64 %zmm0, (%rdx)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %x = load <64 x i8>, <64 x i8>* %xptr
    %y = load <64 x i8>, <64 x i8>* %yptr
    %cmp = icmp ult <64 x i8> %x, %y
    %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
    %res = sub <64 x i8> %max, %y
    store <64 x i8> %res, <64 x i8>* %zptr
    ret void
}

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: _Z9test_charPcS_i_256:
    ; CHECK:       # %bb.0: # %entry
    ; CHECK-NEXT:   movl %edx, %eax
    ; CHECK-NEXT:   vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:   xorl %ecx, %ecx
    ; CHECK-NEXT:   vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:   vpxor %xmm2, %xmm2, %xmm2
    ; CHECK-NEXT:   .p2align 4, 0x90
    ; CHECK-NEXT:   .LBB8_1: # %vector.body
    ; CHECK-NEXT:     # =>This Inner Loop Header: Depth=1

i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef

%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> undef, <32 x i32> 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 32, i32 33, i32 34, i32 35, i32 36, i32 37, i32 38, i32 39, i32 40, i32 41, i32 42, i32 43, i32 44, i32 45, i32 46, i32 47, i32 48, i32 49, i32 50, i32 51, i32 52, i32 53, i32 54, i32 55, i32 56, i32 57, i32 58, i32 59, i32 60, i32 61, i32 62, i32 63, i32 64, i32 65, i32 66, i32 67, i32 68, i32 69, i32 70, i32 71, i32 72, i32 73, i32 74, i32 75, i32 76, i32 77, i32 78, i32 79, i32 80, i32 81, i32 82, i32 83, i32 84, i32 85, i32 86, i32 87, i32 88, i32 89, i32 90, i32 91, i32 92, i32 93, i32 94, i32 95, i32 96, i32 97, i32 98, i32 99, i32 100, i32 101, i32 102, i32 103, i32 104, i32 105, i32 106, i32 107, i32 108, i32 109, i32 110, i32 111, i32 112, i32 113, i32 114, i32 115, i32 116, i32 117, i32 118, i32 119, i32 120, i32 121, i32 122, i32 123, i32 124, i32 125, i32 126, i32 127, i32 128, i32 129, i32 130, i32 131, i32 132, i32 133, i32 134, i32 135, i32 136, i32 137, i32 138, i32 139, i32 140, i32 141, i32 142, i32 143, i32 144, i32 145, i32 146, i32 147, i32 148, i32 149, i32 150, i32 151, i32 152, i32 153, i32 154, i32 155, i32 156, i32 157, i32 158, i32 159, i32 160, i32 161, i32 162, i32 163, i32 164, i32 165, i32 166, i32 167, i32 168, i32 169, i32 170, i32 171, i32 172, i32 173, i32 174, i32 175, i32 176, i32 177, i32 178, i32 179, i32 180, i32 181, i32 182, i32 183, i32 184, i32 185, i32 186, i32 187, i32 188, i32 189, i32 190, i32 191, i32 192, i32 193, i32 194, i32 195, i32 196, i32 197, i32 198, i32 199, i32 200, i32 201, i32 202, i32 203, i32 204, i32 205, i32 206, i32 207, i32 208, i32 209, i32 210, i32 211, i32 212, i32 213, i32 214, i32 215, i32 216, i32 217, i32 218, i32 219, i32 220, i32 221, i32 222, i32 223, i32 224, i32 225, i32 226, i32 227, i32 228, i32 229, i32 230, i32 231, i32 232, i32 233, i32 234, i32 235, i32 236, i32 237, i32 238, i32 239, i32 240, i32 241, i32 242, i32 243, i32 244, i32 245, i32 246, i32 247, i32 248, i32 249, i32 250, i32 251, i32 252, i32 253, i32 254, i32 255

define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: _Z9test_charPcS_i_512:
  ; CHECK:    # %bb.0: # %entry
  ; CHECK-NEXT: movl %edx, %eax
  ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT: xorl %ecx, %ecx
  ; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
  ; CHECK-NEXT: .p2align 4, 0x90
  ; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2
  ; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3
  ; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm3
  ; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm2
  ; CHECK-NEXT: addq $32, %rcx
  ; CHECK-NEXT: cmpq %rcx, %rax
  ; CHECK-NEXT: jne .LBB9_1
  ; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2
  ; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3
  ; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm2
  ; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1
  ; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm1
}
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 indef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1, %i32 -1
%8 = sub nsw <16 x i32> zeroinitialize, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB11_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
}
entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %2 = load <16 x i8>, <16 x i8>* @a, align 4
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %5 = load <16 x i8>, <16 x i8>* @b, align 4
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %8 = sub nsw <16 x i32> zeroinitialize, %6
  %9 = add nsw <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 4
  %11 = icmp eq i64 %index.next, 1024
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <16 x i32> %lcssa, %rdx.shuf
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: sbto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vcvtdq2pd %xmm0, %ymm1
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT:    vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:    vpmovm2d %k0, %ymm2
    ; CHECK-NEXT:    vcvtdq2pd %xmm2, %ymm3
    ; CHECK-NEXT:    vextracti128 $1, %ymm2, %xmm2
    ; CHECK-NEXT:    vcvtdq2pd %xmm2, %ymm2
    ; CHECK-NEXT:    vmovaps %ymm2, 32(%rdi)
    ; CHECK-NEXT:    vmovaps %ymm3, (%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:    vcvtdq2pd %zmm0, %zmm1
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2pd %zmm0, %zmm0
    ; CHECK-NEXT:    vmovaps %zmm0, 64(%rdi)
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" { 
; CHECK-LABEL: ubto16f32_512:
; CHECK:     # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrl $31, %zmm0, %zmm0 
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0 
; CHECK-NEXT: vpmovm2d %zmm0, (%rdi) 
; CHECK-NEXT: vzeroupper 
; CHECK-NEXT: retq 
%mask = icmp slt <16 x i16> %a, zeroinitializer 
%1 = uitofp <16 x i1> %mask to <16 x float> 
store <16 x float> %1, <16 x float>* %res 
ret void 
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" { 
; CHECK-LABEL: ubto16f64_256:
; CHECK:     # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0 
; CHECK-NEXT: kshiftrw $8, %k0, %k1 
; CHECK-NEXT: vpmovm2d %k1, %ymm0 
; CHECK-NEXT: vpsrl $31, %ymm0, %ymm0 
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0 
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0 
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0 
; CHECK-NEXT: vpmovm2d %k0, %ymm2 
; CHECK-NEXT: vpsrl $31, %ymm2, %ymm2 
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2 
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2 
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2 
; CHECK-NEXT: vpmovaps %ymm2, 32(%rdi) 
; CHECK-NEXT: vmovaps %ymm3, (%rdi) 
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi) 
; CHECK-NEXT: vzeroupper 
; CHECK-NEXT: retq 
%mask = icmp slt <16 x i16> %a, zeroinitializer 
%1 = uitofp <16 x i1> %mask to <16 x double> 
store <16 x double> %1, <16 x double>* %res 
ret void 
}
define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:    vpsrld $31, %zmm0, %zmm0
    ; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm1
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm0
    ; CHECK-NEXT:    vmovaps %zmm0, 64(%rdi)
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %l = uitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %l, <16 x double>* %res
    ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32toub_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k0
    ; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT:    vmovdq16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32toub_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k0
    ; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT:    vmovdq16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}
define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32tosb_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:  vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT:  retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32tosb_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:  vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:  vpslld $31, %zmm1, %zmm1
    ; CHECK-NEXT:  vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT:  retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: mul256:
    ; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
|  ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13]|,ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm5 =
|  ymm0[8],ymm9[9],ymm10[10],ymm11[11],ymm0[11],ymm12[12],ymm0[12],ymm13[13],ymm0[13],ymm14[14],ymm0[14],ymm15[15],ymm0[15],ymm16[16],ymm0[16],ymm17[17],ymm0[17],ymm18[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm6 =
|  ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm7 =
|  ymm4[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm8 =
|  ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm9 =
|  ymm1[8],ymm0[9],ymm1[9],ymm0[10],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ymm0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm10 =
|  ymm5[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm11 =
|  ymm6[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm12 =
|  ymm7[8],ymm4[9],ymm0[9],ymm4[10],ymm0[10],ymm4[11],ymm0[11],ymm4[12],ymm0[12],ymm4[13],ymm0[13],ymm4[14],ymm0[14],ymm4[15],ymm0[15],ymm4[24],ymm0[24],ymm4[25],ymm0[25],ymm4[26],ymm0[26],ymm4[27],ymm0[27],ymm4[28],ymm0[28],ymm4[29],ymm0[29],ymm4[30],ymm0[30],ymm4[31],ymm0[31]
; CHECK-NEXT:  vpmullw %ymm0, %ymm2
; CHECK-NEXT:  vpand %ymm5, %ymm4
; CHECK-NEXT:  vp unpack %ymm2, %ymm3, %ymm4
; CHECK-NEXT:  vpmullw %ymm3, %ymm1, %ymm4
; CHECK-NEXT:  vpmullw %ymm0, %ymm2, %ymm3
; CHECK-NEXT:  vpmullw %ymm1, 32(%rdx)
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

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LLVM Release License
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; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2  | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
  ; VEC256-LABEL: 'zext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'zext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'zext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

define void @zext512() "min-legal-vector-width"="512" {  
; AVX-LABEL: 'zext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKXX256-LABEL: 'zext512'
; SKXX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; SKXX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; SKXX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; SKXX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
; SKXX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; SKXX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

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define void @sext256() "min-legal-vector-width"="256" {
  ; %A = sext <8 x i8> undef to <8 x i64>
  %B = sext <8 x i16> undef to <8 x i64>
  %C = sext <8 x i32> undef to <8 x i64>
  %D = sext <16 x i8> undef to <16 x i32>
  %E = sext <16 x i16> undef to <16 x i32>
  ret void
}

define void @sext256() "min-legal-vector-width"="256" {
  ; %A = sext <8 x i8> undef to <8 x i64>
  %B = sext <8 x i16> undef to <8 x i64>
  %C = sext <8 x i32> undef to <8 x i64>
  %D = sext <16 x i8> undef to <16 x i32>
  %E = sext <16 x i16> undef to <16 x i32>
  ret void
}
define void @sext512() "min-legal-vector-width"="512" {  
  ; AVX-LABEL: 'sext512'
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  ; SKX256-LABEL: 'sext512'
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  ; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
  
  ; VEC512-LABEL: 'sext512'
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
  
  ret void
}
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: \%F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

\%A = sext <8 x i8> undef to <8 x i64>
\%B = sext <8 x i16> undef to <8 x i64>
\%C = sext <8 x i32> undef to <8 x i64>
\%D = sext <16 x i8> undef to <16 x i32>
\%E = sext <16 x i16> undef to <16 x i32>
\%F = sext <32 x i8> undef to <32 x i16>
ret void

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*/
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph: ; preds = %entry
  br label %while.body

  while.body: ; preds = %exit.2, %while.body.lr.ph
  %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
  switch i32 undef, label %exit [
    i32 1, label %sw.bb.i
    i32 2, label %sw.bb3.i
  ]

  sw.bb.i: ; preds = %while.body
  unreachable
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
 ; First, extend each i32 to i64
 ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
 ; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
 ; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
 ; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
 ; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

 ; Next, convert each to double.
 ; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
 ; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
 ; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
 ; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
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; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
  ; CHECK-LABEL: test_sitofp_fixed_shortish:
  ; CHECK-DAG: scvtf.2d v0, v0
  ; CHECK-DAG: scvtf.2d v1, v1
  ; CHECK: ret
  %flt = sitofp <4 x i64> %in to <4 x double>
  %res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>  
  ret <4 x double> %res
}

; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
  ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
  ret void
}

define internal void @innerNoAttribute() {
  ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
  call void @innerLarge()
  ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
call void @innerSmall()
ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
call void @innerNoAttribute()
ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" } 
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]?]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]?]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C1]], 7
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C4]], 10
; CHECK-NEXT: store i8 %9, i8* %10
define void @foo_i16() {
entry:
%0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
%1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
%2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
%3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
%4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
%5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
ret void
}

define void @foo_i32() {
entry:
%0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

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LLVM System Interface Library

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; RUN: llc -s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

```
define fp128 @TestSelect(fp128 %a, fp128 %b) {
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
    ; CHECK-LABEL: TestSelect:
    ; CHECK movaps 16(%rsp), %xmm1
    ; CHECK-NEXT callq __subtf3
    ; CHECK-NEXT testl %ebx, %ebx
    ; CHECK-NEXT # %bb.1:
    ; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
    ; CHECK-NEXT .LBB0_2:
    ; CHECK-NEXT addq $32, %rsp
    ; CHECK-NEXT popq %rbx
    ; CHECK-NEXT retq
}
```

```define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
```
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 *
 */

Found in path(s):
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/JDK14LoggerAdapter.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/JDK14LoggerFactory.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticLoggerBinder.java

1.1212 multipath-tools 0.4.9-111.el7
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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That's all there is to it!
1.1213 jackson-module-parameter-names

2.10.3

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1.1214 geronimo-jta 1.1

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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1:         32       7648  0x83
#2:       7680       8704  0xa5
#5:       7936       4864  0x7 (freebsd)
#6:      12544       3584  0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57721e38d1266c2df055067c18f2cf9 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d0f23 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbeb.img

---layout-------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
__ts_dev__2 4096 20479 8192 a5 FreeBSD

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsizes bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

--------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------
Changes will remain in memory only, until you decide to write them. 
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#  start  end    size  fstype    [fsize bsize  cpg]
a:  4096  6144  2049  4.2BSD  0 0 0
b:  4096  20479  16384  unused  0 0 0
d:  0  16064  16065  unused  0 0 0

BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them. 
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused  5  4.1BSD  9  4.4LFS  d boot
1  swap   6  Eighth Edition  a  unknown  e  ADOS
2  Version 6  7  4.2BSD  b  HPFS  f  HFS
3  Version 7  8  MS-DOS  c  ISO-9660  10  AdvFS
4  System V

BSD disklabel command (m for help):

1.1219 attributes-binder 1.2.0

1.1220 jackson-annotations 2.10.1
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1.1222 relaxng-datatype 1.0

1.1222.1 Available under license:

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From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/260] * grub-core/loader/i386/bsd.c (grub_netbsd_boot):
Pass pointer to EFI system table.

---
ChangeLog | 5 +++++
grub-core/loader/i386/bsd.c | 8 +++++++++
include/grub/i386/netbsd_bootinfo.h | 7 +++++++
3 files changed, 20 insertions(+)

diff --git a/ChangeLog b/ChangeLog
index abf8f4b27..0cdd095a4 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
2014-06-21  Stephane Rochoy <sheda>
 + * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
  + EFI system table.
 +
 +2014-06-21  Stephane Rochoy <sheda>
 +
 * grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
 EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109e..8f691e0e2 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
     if (err)
         return err;

+#ifdef GRUB_MACHINE_EFI
+  err = grubbsd_add_meta (NETBSD_BTINFO_EFI,
+                          &grub_efi_system_table,
+                          sizeof (grub_efi_system_table));
+  if (err)
+     return err;
+#endif
+
{
    struct bsd_tag *tag;
    tag_buf_len = 0;
 diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b40..9b4f46041 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE	10
#define NETBSD_BTINFO_MODULES	11
#define NETBSD_BTINFO_FRAMEBUF	12
+#define NETBSD_BTINFO_USERCONFCOMMANDS 13
+#define NETBSD_BTINFO_EFI	14

struct grub_netbsd_bootinfo
{
@@ -146,4 +148,9 @@ struct grub_netbsd_btinfo_framebuf
     #define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efe
+{
+    void *pa_systbl; /* Physical address of the EFI System Table */
+};
+
+#endif
--
2.13.0

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1.1230 geronimo-annotation-spec 1.1.1

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1.1231 gtk 3.22.30 3.el7

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
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b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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1.1232 drop-wizard-metrics 1.3.23

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b) Use a suitable shared library mechanism for linking with the
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TECHNOLOGY PREVIEW LICENSE AGREEMENT: Rest of the World

Agreement version 2.4

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library
started out as a copy of PCRE, many of the features of PCRE have been removed.

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- Web Services Security: SAML Token Profile 1.1
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 */

/**
 * Gets whether the transport represents a confidential connection (e.g. an SSL connection).
 * @return whether the transport represents a confidential connection
 */

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 * Sets whether the transport represents a confidential connection.
 * @param isConfidential whether the transport represents a confidential connection
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported
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1.1245 animal-sniffer-annotation 1.19

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* /opt/cola/permits/1127519953_1611825926.02/0/animal-sniffer-annotations-1-19-sources-jar/META-
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* /opt/cola/permits/1127519953_1611825926.02/0/animal-sniffer-annotations-1-19-sources-jar/org/codehaus/mojo/animal_sniffer/IgnoreJRERequirement.java

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/SchedulerContextAware.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/mail/MailParseException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/mail/MailAuthenticationException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/ui/velocity/VelocityEngineUtils.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/AdaptableJobFactory.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/ui/velocity/SpringResourceLoader.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/ui/freemarker/SpringTemplateLoader.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/ui/freemarker/FreeMarkerTemplateUtils.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/MailListener.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/MailPreparationException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/MailException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources- jar/org/springframework/scheduling/quartz/MailSender.java

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jar/org/springframework/scheduling/quartz/LocalDataSourceJobStore.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/scheduling/commonj/DelegatingWork.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java
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jar/org/springframework/mail/javamail/MimeMessageHelper.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/mail/MailSendException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/mail/javamail/JavaMailSenderImpl.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
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* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/mail/javamail/MimeMailMessage.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/mail/javamail/InternetAddressEditor.java
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* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/mail/javamail/ConfigurableMimeFileTypeMap.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/DelegatingJob.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/QuartzJobBean.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/ResourceLoaderClassLoadHelper.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/SchedulerAccessor.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.java

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* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/LocalTaskExecutorThreadPool.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-jar/org/springframework/scheduling/commonj/WorkManagerTaskExecutor.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
1.1251 standard 1.1.2

1.1252 pango 1.42.4 1.el7

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* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/SmartClassLoader.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/util/xml/XmlValidationModeDetector.java
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* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
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* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/TaskTimeoutException.java
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* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/util/xml/TransformerUtils.java
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* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/DecoratingClassLoader.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/io/Resource.java
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  jar/org/springframework/core/type/filter/AssignableTypeFilter.java
1.1260 jetty-deploy 8.1.10.v20130312

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The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.
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QLogic Linux FC-FCoE Driver

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 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * Linux driver for the IDT77201 NICstar PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then

Open Source Used In Virtualized Voice Browser 12.6(1) 13611
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*       combined, allow nicstar_free_rx_skb to be called to
*       recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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* M. Welsh, 6 July 1996

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for the initial saa7146 driver and its recent overhaul

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.1281 stix-fonts 1.1.0
1.1281.1 Available under license:
No license file was found, but licenses were detected in source scan.

%global fontname stix
%global fontconf 61-\{fontname}\n
%global archivename STIXv\{version}\n
%global common_desc \nThe mission of the Scientific and Technical Information Exchange (STIX) font creation project is the preparation of a comprehensive set of fonts that serve the scientific and engineering community in the process from manuscript creation through final publication, both in electronic and print formats.
Name: %{fontname}-fonts
Version: 1.1.0
Release: 5%{?dist}
Summary: Scientific and engineering fonts

Group: User Interface/X
License: OFL
URL: http://www.stixfonts.org/
Source0: http://downloads.sourceforge.net/stixfonts/\{archivename\}.zip
Source10: stix-fonts-fontconfig.conf
Source11: stix-fonts-math-fontconfig.conf

BuildArch: noarch
BuildRequires: fontpackages-devel
Requires: fontpackages-filesystem

Obsoletes: stix-fonts-doc < 1.1.0

%description
%common_desc

This package includes base Unicode fonts containing most glyphs for standard use in the usual four styles.

%_font_pkg -f %{fontconf}.conf STIX-*otf
%doc License/*.pdf *.pdf

%package -n %{fontname}-math-fonts
Summary: Scientific and engineering fonts, PUA glyphs
Requires: %{name} = %{version}-%{release}

Obsoletes: stix-integrals-fonts < 1.1.0
Obsoletes: stix-pua-fonts < 1.1.0
Obsoletes: stix-sizes-fonts < 1.1.0
Obsoletes: stix-variants-fonts < 1.1.0

%description -n %{fontname}-math-fonts
%common_desc

This package includes one symbol font completing the four faces in the main %{name} package. It replaces the heap of confusing fontlets in the first Stix release.

%_font_pkg -n math -f %{fontconf}-math.conf STIXMath*otf
%prep
%setup -q -c

%build

%install
rm -fr %{buildroot}

install -m 0755 -d %{buildroot}%{_fontdir}
install -m 0644 -p Fonts/STIX-Word/*.otf %{buildroot}%{_fontdir}

install -m 0755 -d %{buildroot}%{_fontconfig_templatedir} \ 
    %{buildroot}%{_fontconfig_confdir}

install -m 0644 -p %{SOURCE10} \ 
    %{buildroot}%{_fontconfig_templatedir}/%{fontconf}.conf
install -m 0644 -p %{SOURCE11} \ 
    %{buildroot}%{_fontconfig_templatedir}/%{fontconf}-math.conf

for fconf in %{fontconf}.conf \ 
    %{fontconf}-math.conf ; do
  ln -s %{_fontconfig_templatedir}/$fconf \ 
    %{buildroot}%{_fontconfig_confdir}/$fconf
done

%clean
rm -fr %{buildroot}

%changelog
* Fri Dec 27 2013 Daniel Mach <dmach@redhat.com> - 1.1.0-5
  - Mass rebuild 2013-12-27

* Fri Feb 15 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Thu Nov 08 2012 Stanislav Ochotnick <sochotnicky@redhat.com> - 1.1.0-3
  - Upstream changed their tarball with new pdf, rebuild

* Sat Jul 21 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Sun Jul 8 2012 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.1.0-1
  - Update to new stable release
Major refactoring now that some sanity prevailed upstream in font naming
Be careful if you used the old font family names

* Sat Jan 14 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Sun Jul 25 2010 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.0.0-1
  Update to non-beta release
  Switch licensing to OFL
  Add -doc subpackage

* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - 0.9-13
  Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Wed Feb 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - 0.9-12
  Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Mon Feb 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-11
  prepare for F11 mass rebuild, new rpm and new fontpackages

* Fri Jan 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-10
  Convert to new naming guidelines

* Sun Nov 23 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-9
  rpm-fonts renamed to fontpackages

* Fri Nov 14 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-8
  Rebuild using new rpm-fonts

* Fri Jul 11 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-7
  Fedora 10 alpha general package cleanup

* Thu Nov 1 2007 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  0.9-6
  Add some fontconfig aliasing rules
  0.9-4
  Initial experimental packaging
1.1282 libdaemon 0.14-7.el7

1.1282.1 Available under license:

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Version 2.1, February 1999

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JUnit

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* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources.jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources.jar/org/springframework/expression/spel/ast/FloatLiteral.java
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* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ParseException.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ParseException.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-jar/org/springframework/expression/spel/ast/Ternary.java
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* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-
jar/org/springframework/expression/support/ReflectiveMethodExecutor.java
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jar/org/springframework/expression/BeanResolver.java
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jar/org/springframework/expression/spel/BeanReference.java
* /opt/cola/permits/1112506329_1607104084.78/0/spring-expression-3-1-4-release-sources-
jar/org/springframework/expression/MethodResolver.java
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jar/org/springframework/expression/spel/EvaluationException.java
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1.1308 netbsd-resolv 2.13

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Petersen(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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1.1330 guice-jmx 2.0
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Manifest-Version: 1.0
Ant-Version: Apache Ant 1.7.0
Created-By: 1.6.0_07 (Apple Inc.)
Export-Package: com.google.inject.tools.jmx;uses:="com.google.inject,javax.management";version="1.2"
Bundle-Name: guice-jmx
Bundle-Copyright: Copyright (C) 2006 Google Inc.
Bundle-Vendor: Google Inc.
Bundle-Version: 2.0
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Guice is a lightweight dependency injection framework for Java 5 and above
Import-Package: com.google.inject;version="[1.2,2)".com.google.inject.tools.jmx;version="[1.2,2)".javax.management.resolution:=optional
Bundle-SymbolicName: com.google.inject.tools.jmx
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jar/feign/jaxrs/JAXRSContract.java

1.1332 ethtool 4.8 1.el7

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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a
portion of it, either verbatim or with modifications and/or translated
straightforwardly into another language. (Hereinafter, translation is
included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope. The act of
running a program using the Library is not restricted, and output from
such a program is covered only if its contents constitute a work based
on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library’s
complete source code as you receive it, in any medium, provided that
you conspicuously and appropriately publish on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact
all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the
Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a
fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Preamble
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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pN0h9U/xdFTRMFsXYFHQeN4=
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C/W/GuQFiCJykklL2jd9/Ag=
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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el
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```
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org.eclipse.jetty.toolchain:jetty-schemas
```

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Assorted

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* java.sun.security.ssl

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* org.apache.tomcat:tomcat-jasper-el
* org.apache.tomcat:tomcat-api
* org.apache.tomcat:tomcat-util-scan
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Version: GnuPG v1.0.7 (GNU/Linux)
iD8DBQFE85cgaq9Frj/CIlRIamuJAKCFgi4W0UOH8IUn+Sv6PBHRF3BnLgCcDqqC Zokttk0bTHfwaa5TtxQbScw= =N/w/ -----END PGP SIGNATURE-----

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Version: GnuPG v1.4.3 (GNU/Linux)
iD8DBQFFoniQJVhFUus9dGQRAmJmAJwL5y1lOonhVQIIcspavrjHMQuwqwCgiziFy
LBDVaad1bJ1v1EHY901kPcg=
=6rqm
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-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgAGBQJQBb4tAAoJEMHhjBmtgF91HDcH/2nQDPuPztWFrBifnEoLF6Jl
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FNWKpzaeX+SQgMak6hsuatXi6EsVk6sIaskwEgl6+Xk+HYWy23ZQ8BKQRLOZTw=
=gAqN
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Hash: SHA1

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Version: GnuPG v1.4.1 (Darwin)

iD8DBQFDF37/4dL6IZr4c+6kRAtsI AJ41tfd3lj4OM6sIM fJfTDYdT1BxwCdGgWv
8sfMxEDZquIq bIU2c76U=
=8WW7
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Version: GnuPG v1.4.4 (MingW32)

iD8DBQFEt1ZxHR/ESK2w6H8RAphOAJ9c1eo0Nf2oN59WZVitJExGJjUvKgCfaKji 6etJ6Auj0jTuSI59hUsWMQ=
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<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/ReflectionExecutor.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypedValue.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypeConverter.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypeConverter.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypeConverter.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypeConverter.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/springframework/expression/spel/support/TypeConverter.java
"foo\{expr0\}bar\{expr1\}". The static

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" +

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case ']':

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  * case '\'
  * case ""
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  jar/org/springframework/expression/Operation.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/ast/NullLiteral.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/OperatorOverloader.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/ast/OpGE.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/Expression.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
  jar/org/springframework/expression/SpelMessage.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/ast/OpOr.java
*/
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/ast/OpModulus.java
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* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
jar/org/springframework/expression/ParserContext.java
* /opt/cola/permits/1136700921_1613864513.4/0/spring-expression-3-0-5-release-sources-3-
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.# Title: _REALSETUP
.# Author: Paul Wouters
.# Generator: DocBook XSL Stylesheets v1.77.1 <http://docbook.sf.net/>
.# Date: 12/16/2012
.# Manual: Executable programs
.# Source: libreswan
.# Language: English
.
.TH "_REALSETUP" "8" "12/16/2012" "libreswan" "Executable programs"
# ******************************************************************************
.# * Define some portability stuff
.# **************************************************************************
.
.http://bugs.debian.org/507673
.
# ******************************************************************************
.# * set default formatting
.# **************************************************************************
.# disable hyphenation
.# nh
.# disable justification (adjust text to left margin only)
.# ad l
.
# ******************************************************************************
.# * MAIN CONTENT STARTS HERE *
.# **************************************************************************
.
.SH "NAME"
.ipsec__realsetup - internal routine to start FreeS/WAN.
.
.SH "DESCRIPTION"
.PP
Hp
is called by the system init scripts to start the FreeS/WAN system. It starts
Hp
(KLIPS)
(the kernel component) and
Hp
(pluto)
(the userspace keying component).
.
.SH "SEE ALSO"
.PP
Hp
ipsec(8),
Hp
ipsec__klipsstart(8),
Hp
ipsec__plutorun(8).
.
.SH "HISTORY"
.PP
Man page written for the Linux FreeS/WAN project <http://www.freeswan.org/> by
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<refmiscinfo class="manual">Executable programs</refmiscinfo>
</refmeta>
<refnamediv id='name'>
<refname>ipsec _realsetup</refname>
<refpurpose>internal routine to start FreeS/WAN.</refpurpose>
</refnamediv>
<!-- body begins here -->

<refsect1 id='description'><title>DESCRIPTION</title>
<para><emphasis remap='I'>_realsetup</emphasis> is called by the system init scripts to start the FreeS/WAN system. It starts
<emphasis remap='B'>KLIPS</emphasis> (the kernel component) and
<emphasis remap='B'>pluto</emphasis> (the userspace keying component).</para>
</refsect1>

<refsect1 id='see_also'><title>SEE ALSO</title>
<para><citerefentry><refentrytitle>ipsec</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__klipsstart</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__plutorun</refentrytitle><manvolnum>8</manvolnum></citerefentry>.</para>
</refsect1>

<refsect1 id='history'><title>HISTORY</title>
<para>Man page written for the Linux FreeS/WAN project <<ulink
</refsect1>

</refentry>

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>.'
buildRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
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<one line to give the program's name and a brief idea of what it does.>
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The End

#!perl

=head1 NAME
copyright.t
Tests that the latest copyright years in the top-level README file and the `perl -v` output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the `--now` option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

```perl
use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

```
open my $readme, '<', '../README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
llocal $/ = "";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";
$year;
}

1.1378 jersey-bundle 1.19
1.1378.1 Available under license:

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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1.1380 jffi 1.0.1

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1.1381 ant-launcher 1.9.0

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1.1382 openssh 5.6p1

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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned intnfds_t;

Open Source Used In Virtualized Voice Browser 12.6(1) 14586
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNDNM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif
#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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- The make-ssh-known-hosts script is no longer included
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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 */
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* *
* /

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int *)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? (_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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Version 3, 29 June 2007

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1.1387 os-prober 1.58

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1.1389 commons-beanutils 1.6.1

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 * 1.26 2002/07/21 00:20:44 craigmcc Exp $
 * $Revision: 1.26 $
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commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/ByteLocaleConverter.java,v 1.1
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 * 02:22:08 craigmcc Exp $
 * $Revision: 1.3 $
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* /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-jar/org/apache/commons/beanutils/converters/SqlDateConverter.java

No license file was found, but licenses were detected in source scan.

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* $Header: /home/cvspublic/jakarta-

Open Source Used In Virtualized Voice Browser 12.6(1) 14669
* $Revision: 1.1 $

* $Date: 2002/09/03 21:34:20 $

*

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  jar/org/apache/commons/beanutils/locale/converters/BigDecimalLocaleConverter.java
No license file was found, but licenses were detected in source scan.

/ *
* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/converters/BooleanArrayConverter.java,v 1.3
  2002/07/21 00:20:45 craigmcc Exp $
* $Revision: 1.3 $
* $Date: 2002/07/21 00:20:45 $
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  /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
  jar/org/apache/commons/beanutils/converters/BooleanArrayConverter.java

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 * $Revision: 1.2 $
 * $Date: 2002/07/22 00:24:44 $
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* /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
  jar/org/apache/commons/beanutils/converters/ClassConverter.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvspublic/jakarta-commons/beanutils/src/java/org/apache/commons/beanutils/Converter.java,v
 1.3 2002/03/18 16:32:43 craigmcc Exp $
 * $Revision: 1.3 $
 * $Date: 2002/03/18 16:32:43 $
 *
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  jar/org/apache/commons/beanutils/converters/CharacterArrayConverter.java
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/*/  $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/ConversionException.java,v 1.4 2002/03/18 16:32:42
  craigmcc Exp $  $Revision: 1.4 $  $Date: 2002/03/18 16:32:42 $

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  jar/org/apache/commons/beanutils/ConversionException.java
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/ *
* $Header: /home/cvspublic/jakarta-
commons/beanutils/src/java/org/apache/commons/beanutils(converters/LongConverter.java,v 1.3 2002/07/13
02:22:08 craigmcc Exp $ 
* $Revision: 1.3 $ 
* $Date: 2002/07/13 02:22:08 $ 
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 * $Header: /home/cvs/jakarta-commons/beanutils/src/java/org/apache/commons/beanutils/WrapDynaBean.java,v
 * 1.3 2002/01/23 22:35:58 sanders Exp $
 * $Revision: 1.3 $
 * $SDate: 2002/01/23 22:35:58 $
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  jar/org/apache/commons/beanutils/ConvertingWrapDynaBean.java
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* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/FloatLocaleConverter.java,v 1.1
  2002/09/03 21:34:20 rdonkin Exp $

* $Revision: 1.1 $

* $Date: 2002/09/03 21:34:20 $

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/*
 * $Header: /home/cvspublic/jakarta-commons/beanutils/src/java/org/apache/commons/beanutils/converters/AbstractArrayConverter.java,v 1.2 2002/07/21 00:20:45 craigmcc Exp $
 * $Revision: 1.2 $
 * $Date: 2002/07/21 00:20:45 $
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  jar/org/apache/commons/beanutils/converters/AbstractArrayConverter.java
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* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/ShortLocaleConverter.java,v 1.1
  2002/09/03 21:34:20 rdonkin Exp $

* $Revision: 1.1 $

* $Date: 2002/09/03 21:34:20 $

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* /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
  jar/org/apache/commons/beanutils/locale/converters/ShortLocaleConverter.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvspublic/jakarta-
* commons/beanutils/src/java/org/apache/commons/beanutils/converters/BigDecimalConverter.java,v 1.3 2002/07/13
* 02:22:08 craigmcc Exp $
* $Revision: 1.3 $
* $Date: 2002/07/13 02:22:08 $
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  jar/org/apache/commons/beanutils/converters/BigDecimalConverter.java
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/*
* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/WrapDynaClass.java,v 1.3 2002/01/23 22:35:58 sanders
  Exp $
* $Revision: 1.3 $
* $Date: 2002/01/23 22:35:58 $
* 
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  jar/org/apache/commons/beanutils/WrapDynaClass.java

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*/opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
jar/org/apache/commons/beanutils/locale/converters/SqlTimestampLocaleConverter.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/cvspublic/jakarta-
 * commons/beanutils/src/java/org/apache/commons/beanutils/converters/StringConverter.java,v 1.1 2002/03/18
 * 16:32:43 craigmcc Exp $
 * $Revision: 1.1 $
 * $Date: 2002/03/18 16:32:43 $
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  jar/org/apache/commons/beanutils/ResultSetDynClass.java

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/*

* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.java,v 1.1
  2002/09/03 21:34:20 rdonkin Exp $

* $Revision: 1.1 $

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* jar/org/apache/commons/beanutils/locale/converters/SqlDateLocaleConverter.java
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* $Header: /home/cvspublic/jakarta-
* commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/SqlDateLocaleConverter.java,v 1.1
* 2002/09/03 21:34:20 rdonkin Exp $

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jar/org/apache/commons/beanutils/BeanComparator.java

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* $Header: /home/cvspublic/jakarta-
commons/beanutils/src/java/org/apache/commons/beanutils/converters/ShortConverter.java,v 1.3 2002/07/13
02:22:08 craigmcc Exp $
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* /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
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* $Revision: 1.4 $  
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  jar/org/apache/commons/beanutils/DynaProperty.java
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/*
* $Header: /home/cvspublic/jakarta-
commons/beanutils/src/java/org/apache/commons/beanutils/converters/IntegerArrayConverter.java,v 1.3 2002/07/21 00:20:45 craigmcc Exp $ * $Revision: 1.3 $ * $Date: 2002/07/21 00:20:45 $ *

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jar/org/apache/commons/beanutils/converters/IntegerArrayConverter.java
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commons/beanutils/src/java/org/apache/commons/beanutils/converters/ShortArrayConverter.java,v 1.3 2002/07/21
00:20:45 craigmcc Exp $
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* $Header: /home/cvspublic/jakarta-commons/beanutils/src/java/org/apache/commons/beanutils/DynaBean.java,v 1.5 2002/01/06 00:47:06 craigmcc Exp $
* $Revision: 1.5 $
* $Date: 2002/01/06 00:47:06 $
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 * 02:22:08 craigmcc Exp $
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* /opt/cola/permits/1137133686_1614022223.82/0/commons-beanutils-1-6-1-sources-1-
jar/org/apache/commons/beanutils/converters/ByteArrayConverter.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvspublic/jakarta-
*commons/beanutils/src/java/org/apache/commons/beanutils/MutableDynaClass.java,v 1.4 2002/03/24 09:15:25 dion
* Exp $ 
* $Revision: 1.4 $ 
* $Date: 2002/03/24 09:15:25 $ 
* 
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  jar/org/apache/commons/beanutils/MutableDynaClass.java
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/*

* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/locale/BaseLocaleConverter.java,v 1.1 2002/09/03
  21:34:20 rdonkin Exp $

* $Revision: 1.1 $

* $Date: 2002/09/03 21:34:20 $

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  jar/org/apache/commons/beanutils/locale/BaseLocaleConverter.java

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* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/converters/DoubleArrayConverter.java,v 1.3
  2002/07/21 00:20:45 craigmcc Exp $
* $Revision: 1.3 $
* $Date: 2002/07/21 00:20:45 $
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  jar/org/apache/commons/beanutils/converters/DoubleArrayConverter.java
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/*
* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/ResultSetIterator.java,v 1.1 2002/07/12 22:38:21
  craigmcc Exp $
* $Revision: 1.1 $
* $Date: 2002/07/12 22:38:21 $
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 * $Revision: 1.3 $
 * $Date: 2002/07/13 02:22:08 $
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  jar/org/apache/commons/beanutils/converters/FloatConverter.java

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/ *
* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/WrapDynaBean.java,v 1.3 2002/01/23 22:35:58 sanders
  Exp $ 
* $Revision: 1.3 $ 
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  commons/beanutils/src/java/org/apache/commons/beanutils/locale/converters/IntegerLocaleConverter.java,v 1.1
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  jar/org/apache/commons/beanutils/converters/IntegerConverter.java
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  2002/09/03 21:34:20 rdonkin Exp $

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jar/org/apache/commons/beanutils/locale/converters/DoubleLocaleConverter.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/cvspublic/jakarta-
commons/beanutils/src/java/org/apache/commons/beanutils/converters/ByteConverter.java,v 1.3 2002/07/13
02:22:08 craigmcc Exp $
* $Revision: 1.3 $
* $Date: 2002/07/13 02:22:08 $
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  jar/org/apache/commons/beanutils/converters/ByteConverter.java
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/*
* $Header: /home/cvspublic/jakarta-commons/beanutils/src/java/org/apache/commons/beanutils/DynaClass.java,v
  1.8 2002/01/23 22:35:58 sanders Exp $  
* $Revision: 1.8 $  
* $Date: 2002/01/23 22:35:58 $  
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jar/org/apache/commons/beanutils/DynaClass.java
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/*
* $Header: /home/cvspublic/jakarta-
commons/beanutils/src/java/org/apache/commons/beanutils/converters/StringArrayConverter.java,v 1.2 2002/07/13
02:22:08 craigmcc Exp $
* $Revision: 1.2 $
* $Date: 2002/07/13 02:22:08 $
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* $Header: /home/cvspublic/jakarta-
  commons/beanutils/src/java/org/apache/commons/beanutils/converters/SqlTimestampConverter.java,v 1.3
  2002/07/13 02:22:08 craigmcc Exp $
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 * commons/beanutils/src/java/org/apache/commons/beanutils/converters/SqlTimeConverter.java,v 1.3 2002/07/13
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/DispatcherServlet.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ServletResponseMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/support/AbstractFlashMapManager.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/RedirectAttributesMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
* *
* <p>The XSLT Source object is supplied as a parameter in the model and then
* [<@link locateSource detected>] during response rendering. Users can either specify
* a specific entry in the model via the [<@link setSourceKey sourceKey>] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [<@link getSourceTypes() here] for more details.
* *
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [<@link setOutputProperties output properties>]
* to be passed to the Transformer.
* *
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/CancellableFormController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/ServletForwardingController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractUrlViewController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/SimpleFormController.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/tags/EscapeBodyTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1.jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java

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 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *<p>
 * <code>Implementations may use this contract for example as part of a solution</code>
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.<p>
 *<p>
 * View technologies that support this contract can obtain an instance to
 * delegate to via <code>@link RequestContext#getRequestDataValueProcessor(){}.</code>
 *<p>
 * <code>@author Rossen Stoyanchev</code>
 * @since 3.1
 */

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  jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java  
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/ModelAndView.java  
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/DefaultRequestToViewNameTranslator.java  
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/TextareaTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/mvc/multiaction/ParameterMethodGetNameResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/UserRoleAuthorizationInterceptor.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/xslt/AbstractXsltView.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/BindErrorsTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/ThemeTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/feed/AbstractAtomFeedView.java
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  jar/org/springframework/web/servlet/mvc/multiaction/MethodNameResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/view/velocity/VelocityLayoutViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
  jar/org/springframework/web/servlet/view/BeanNameViewResolver.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3.1.4-release-sources-1.jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMapping.java

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Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU \"Bourne Again shell\") for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

``The lyf so short, the craft so long to lerne." - Chaucer
Hi. I snagged some of your bash functions from your home directory on
the FSF machines (naughty, I know), and I was wondering if you'd let
me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frogs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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<OL START="11">

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Version 2, June 1991

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1.1440 metrics-jmx 4.0.5

1.1441 jackson-databind 2.10.4
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1.1442 jersey-apache-client 1.19

1.1443 json-c 0.11 4.el7_0

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1.1444 lucene-memory 4.6.0

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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Library is used in it and that the Library and its use are covered by
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during execution displays copyright notices, you must include the
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directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

   d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)
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* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/jpa/OrmXmlOverridingShadowingClassLoader.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/support/GenericPropertiesContextLoader.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
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  jar/org/springframework/test/context/transaction/TransactionConfigurationAttributes.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/ContextCache.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/support/DependencyInjectionTestExecutionListener.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/annotation/AbstractAnnotationAwareTransactionalTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/jdbc/SimpleJdbcTestUtils.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/AbstractSpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/AbstractTransactionalSpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/annotation/ProfileValueSource.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/support/AbstractGenericContextLoader.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/mock/jndi/SimpleNamingContext.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/AbstractDependencyInjectionSpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/testng/AbstractTransactionalTestNGSpringContextTests.java
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  jar/org/springframework/test/context/ContextLoader.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/web/AbstractModelAndViewTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/context/junit38/AbstractTransactionalJUnit38SpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/AbstractTransactionalDataSourceSpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
  jar/org/springframework/test/AbstractSingleSpringContextTests.java
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
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jar/org/springframework/test/context/ContextConfiguration.java
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jar/org/springframework/test/context/junit4/AbstractTransactionalJUnit4SpringContextTests.java
*/
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
jar/org/springframework/mock/web/portlet/MockPortletSession.java
*/
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
jar/org/springframework/mock/web/portlet/MockPortletContext.java
*/
* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
jar/org/springframework/mock/web/portlet/MockMultipartActionRequest.java
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* /opt/cola/permits/1138563469_1614290755.99/0/spring-test-3-0-5-release-sources-1-
jar/org/springframework/mock/web/MockServletContext.java
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jar/org/springframework/test/context/transaction/TransactionalTestExecutionListener.java
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jar/org/springframework/mock/web/MockHttpServletRequest.java
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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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**1.1465 google-http-client 1.38.0**

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Manifest-Version: 1.0
Implementation-Title: Google HTTP Client Library for Java
Bundle-Description: Google HTTP Client Library for Java. Functionality that works on all supported Java platforms, including Java 7 (or higher) desktop (SE) and web (EE), Android, and Google App Engine.
Automatic-Module-Name: com.google.api.client
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-SymbolicName: com.google.http-client.google-http-client
Implementation-Version: 1.38.0
Built-By: root
Bnd-LastModified: 1604446602810
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: com.google.http-client
Bundle-DocURL: http://www.google.com/
Bundle-Vendor: Google
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: Google
Originally-Created-By: Apache Maven Bundle Plugin

Bundle-Name: Google HTTP Client Library for Java
Bundle-Version: 1.38.0
Build-Jdk-Spec: 1.8
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_265

Found in path(s):
* /opt/cola/permits/1120409099_1609942458.12/0/google-http-client-1-38-0-jar/META-INF/MANIFEST.MF

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1.1468 spidermonkey 17.0.0

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PCRE is a library of functions to support regular expressions whose syntax
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This is JavaScriptCore's variant of the PCRE library. While this library
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1.1470 txw2 2.3.0

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1.1476 bouncycastle-fips 1.0.3
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/**
 * Base constructor.
* <p>
* The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
* </p>
* <p>
* Known suffixes is a list of public domain suffixes that can't be used as wild cards for example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
* If *.com is in the known suffixes list will not be allowed to match.
* </p>
* 
* @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ",.com", ",.net", ",.org" }
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1089947271_1601369618.24/0/bcpkix-fips-1-0-3-sources-jar/org/bouncycastle/jcajce/JsseDefaultHostnameAuthorizer.java

1.1477 netty-buffer 4.0.25.Final

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* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolChunkList.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PooledByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolArena.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolThreadCache.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/ByteBufInputStream.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolSubpage.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/ByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolSubpage.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/PoolArena.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/Unpooled.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/AbstractByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
  jar/io/netty/buffer/Package-info.java
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* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/ByteBufUtil.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/CompositeByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/PoolChunk.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/ByteBufAllocator.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/SlicedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/ByteBufProcessor.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/WrappedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/UnreleasableByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-
jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/ByteBufHolder.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/EmptyByteBuf.java
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Manifest-Version: 1.0
Export-Package: io.netty.buffer;uses:="io.netty.util";version="4.0.25.
Final"
Built-By: trustin
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Buffer
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_55
Bundle-Version: 4.0.25.Final
Bnd-LastModified: 1420029495364
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for rapid development of maintainable high perf
ormance protocol servers and clients.
Bundle-SymbolicName: io.netty.buffer
Bundle-DocURL: http://netty.io/
Import-Package: io.netty.util;version="[4.0,5)",io.netty.util.concurrent;version="[4.0,5)",io.netty.util.internal;version="[4.0,5)",io.netty.util.internal.logging;version="[4.0,5)",org.eclipse.jetty.alpn;resolution=optional,sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,)";resolution=optional
Archiver-Version: Plexus Archiver

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* /opt/cola/permits/1114168077_1607449120.82/0/netty-buffer-4-0-25-final-sources-jar/io/netty/buffer/PooledHeapByteBuf.java

1.1478 gettext unknown
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/Condition.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/support/TaskUtils.java
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*/
/**
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer} reference through WebSphere's proprietary {code AdminServiceFactory} API,
* available on WebSphere 5.1 and higher.
* 
* <p>Exposes the {code MBeanServer} for bean references.
* This FactoryBean is a direct alternative to {link MBeanServerFactoryBean},
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* 
* <p>See the javadocs for WebSphere's
* 
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/context/support/StaticMessageSource.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/org/springframework/jndi/JndiLocatorSupport.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2.jar/...
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/annotation/ScopedProxyCreator.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/LifecycleProcessor.java

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/metadata/ManagedOperation.java

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/DependsOn.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/ejb/access/LocalStatelessSessionProxyFactoryBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/TriggerContext.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationUtils.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/jmx/MBeanServerNotFoundException.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/ScopeMetadata.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/jndi/JndiTemplate.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/scheduling/scheduling/Trigger.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/format/Formatter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/jndi/JndiTemplate.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
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* limitations under the License.
*/
/**
* Indicates that a component is only eligible for registration when all
* [@linkplain #value specified conditions] match.
*<p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see [@link Condition] for details).
*<p>The [@code @Conditional] annotation may be used in any of the following ways:
*<ul>
*<li>as a type-level annotation on any class directly or indirectly annotated with
* [@code @Component], including [@link Configuration @Configuration] classes</li>
*<li>as a meta-annotation, for the purpose of composing custom stereotype annotations</li>
*<li>as a method-level annotation on any [@link Bean @Bean] method</li>
*</ul>
*<p>If a [@code @Configuration] class is marked with [@code @Conditional],
* all of the [@code @Bean] methods, [@link Import @Import] annotations, and
* [@link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.
*<p><strong>NOTE:</strong> Inheritance of [@code @Conditional] annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* [@code @Conditional] itself is not declared as
* [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* [@code @Conditional] must not be declared as [@code @Inherited].
*<p>@author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/context/annotation/Conditional.java
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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/scripting/config/LangNamespaceUtils.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/SpringModelMBean.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/jmx/export/metadata/ManagedAttribute.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/instrument/classloading/WeavingTransformer.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java

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Abstract the invocation of a cache operation.

<p>Does not provide a way to transmit checked exceptions but provide a special exception that should be used to wrap any exception that was thrown by the underlying invocation. Callers are expected to handle this issue type specifically.

@since 4.1

Found in path(s):
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/context/annotation/Profile.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/stereotype/Service.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
* /opt/cola/permits/1136688068_1613859406.57/0/spring-context-4-3-14-release-sources-2-
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*uganda.txt*  For Vim version 7.4.  Last change: 2013 Jul 06

VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY

*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

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I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the
maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
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If the number of changes is small (e.g., a modified Makefile) e-mailing a
context diff will do. The e-mail address to be used is
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim
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with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
  file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
  [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
  A few minor changes have been made since he checked it, but that should not
  make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
  further distribution to the GNU GPL. Also when you didn't actually change
  anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
  further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
  contact information with the "--with-modified-by" configure argument or the
  MODIFIED_BY define.

==============================================================================
Kibaale Children's Centre	*KCC* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the
south of Uganda, near Tanzania, in East Africa. The area is known as Rakai
District. The population is mostly farmers. Although people are poor, there
is enough food. But this district is suffering from AIDS more than any other
part of the world. Some say that it started there. Estimations are that 10
to 30% of the Ugandans are infected with HIV. Because parents die, there are
many orphans. In this district about 60,000 children have lost one or both
parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation
Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your
tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
   Postbank, account 4548774
   Swift code: INGB NL 2A
   IBAN: NL95 INGB 0004 5487 74
   under the name "stichting ICCF Holland", Lisse
   If that doesn't work:
   Rabobank Lisse, account 3765.05.117
   Swift code: RABO NL 2U
   under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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@endpage
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necessary. Here is a sample: alter the names:

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
}
@end format

That's all there is to it!

@c @bye

1.1507 texinfo 5.1

1.1507.1 Available under license:

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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 * Exposes the MBeanServer for bean references.
 * This FactoryBean is a direct alternative to MBeanServerFactoryBean, which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
 * @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
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* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-
  jar/org/springframework/validation/MessageCodesResolver.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-
  jar/org/springframework/annotation/ManagedAttribute.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-
  jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-
  jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-
  jar/org/springframework/ui/context/support/DelegatingThemeSource.java

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* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/jndi/JndiObjectTargetSource.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/ cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/scheduling/scheduling/TaskScheduler.java
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* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/context/support/AbstractApplicationContext.java
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* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/validation/DataBinder.java
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* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/scheduling/scheduling/support/CronTrigger.java
* /opt/cola/permits/1136703039_1613865324.67/0/spring-context-3-0-5-release-sources-3-jar/org/springframework/context/annotation/ConfigurationClassParser.java
1.1511 jtds 1.2.2

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// version.

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/FileMonitor.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/FileUtils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/w32/W32FileMonitor.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/w32/W32FileUtils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/dnd/DropTargetPainter.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/dnd/DragHandler.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/dnd/GhostedDragImage.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/dnd/DropHandler.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/dnd/KeyboardUtils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinNT.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/GDI32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/LMErr.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Wincon.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/unix/X11.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/XAttr.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/XAttrUtil.java
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  jar/com/sun/jna/platform/win32/PowrProf.java
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  jar/com/sun/jna/platform/win32/PdhUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/COM/Wbemcli.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/COM/WbemcliUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Cfgmgr32.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Cfgmgr32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Cfgmgr32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
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BOOL WINAPI CreateProcessWithLogonW(
   _In_   LPCWSTR lpUsername,
   _In_opt_  LPCWSTR lpDomain,
   _In_   LPCWSTR lpPassword,
   _In_   DWORD dwLogonFlags,
   _In_opt_  LPCWSTR lpApplicationName,
   _Inout_opt_  LPWSTR lpCommandLine,
   _In_   DWORD dwCreationFlags,
   _In_opt_  LPVOID lpEnvironment,
   _In_opt_  LPCWSTR lpCurrentDirectory,
   _In_   LPSTARTUPINFOW lpStartupInfo,
   _Out_  LPPROCESS_INFORMATION lpProcessInfo
);

* @param lpUsername
  [in]<br>
  The name of the user. This is the name of the user account to
  log on to. <br>
  If you use the UPN format, user@DNS_domain_name, the lpDomain
  parameter must be NULL. <br>
  The user account must have the Log On Locally permission on
  the local computer. <br>
  This permission is granted to all users on workstations and
  servers, but only to administrators on domain controllers.
* @param lpDomain
  [in, optional]<br>
  The name of the domain or server whose account database
  contains the lpUsername account. <br>
  If this parameter is NULL, the user name must be specified in
  UPN format.
* @param lpPassword
  [in]<br>
  The clear-text password for the lpUsername account.
* @param dwLogonFlags
  [in]<br>
  The logon option. This parameter can be 0 (zero) or one of the
following values.  

* LOGON_WITH_PROFILE: 0x00000001
* Log on, then load the user profile in the HKEY_USERS registry key. <br>
* The function returns after the profile is loaded. <br>
* Loading the profile can be time-consuming, so it is best to use this value only if you must access the information in the HKEY_CURRENT_USER registry key. <br>
* Windows Server 2003: The profile is unloaded after the new process is terminated, whether or not it has created child processes. <br>
* Windows XP: The profile is unloaded after the new process and all child processes it has created are terminated. <br>

* LOGON_NETCREDENTIALS_ONLY: 0x00000002
* Log on, but use the specified credentials on the network only. <br>
* The new process uses the same token as the caller, but the system creates a new logon session within LSA, and the process uses the specified credentials as the default credentials. <br>
* This value can be used to create a process that uses a different set of credentials locally than it does remotely. <br>
* This is useful in inter-domain scenarios where there is no trust relationship. <br>
* The system does not validate the specified credentials. <br>
* Therefore, the process can start, but it may not have access to network resources.

@param lpApplicationName  
[in, optional] <br>
* The name of the module to be executed. This module can be a Windows-based application. <br>
* It can be some other type of module (for example, MS-DOS or OS/2) if the appropriate subsystem is available on the local computer. The string can specify the full path and file name of the module to execute or it can specify a partial name. <br>
* If it is a partial name, the function uses the current drive and current directory to complete the specification. <br>
* The function does not use the search path. This parameter must include the file name extension; no default extension is assumed. The lpApplicationName parameter can be NULL, and the module name must be the first white space-delimited token in the lpCommandLine string. <br>
* If you are using a long file name that contains a space, use quoted strings to indicate where the file name ends and the arguments begin; otherwise, the file name is ambiguous.
example, the following string can be interpreted in different ways:
"c:\program files\sub dir\program name"

The system tries to interpret the possibilities in the following order:

- `c:\program.exe files\sub dir\program name`
- `c:\program files\sub.exe dir\program name`
- `c:\program files\sub dir\program.exe name`
- `c:\program files\sub dir\program name.exe`

If the executable module is a 16-bit application, `lpApplicationName` should be NULL, and the string pointed to by `lpCommandLine` should specify the executable module and its arguments.

**@param lpCommandLine**

- `[in, out, optional]`
- The command line to be executed. The maximum length of this string is 1024 characters.
- If `lpApplicationName` is NULL, the module name portion of `lpCommandLine` is limited to MAX_PATH characters.
- The function can modify the contents of this string.
- Therefore, this parameter cannot be a pointer to read-only memory (such as a const variable or a literal string).
- If this parameter is a constant string, the function may cause an access violation.
- The `lpCommandLine` parameter can be NULL, and the function uses the string pointed to by `lpApplicationName` as the command line.
- If both `lpApplicationName` and `lpCommandLine` are non-NULL,
  - `*lpApplicationName` specifies the module to execute, and
  - `*lpCommandLine` specifies the command line.
- The new process can use `GetCommandLine` to retrieve the entire command line.
- Console processes written in C can use the `argc` and `argv` arguments to parse the command line.
- Because `argv[0]` is the module name, C programmers typically repeat the module name as the first token in the command line.
- If `lpApplicationName` is NULL, the first white space-delimited token of the command line specifies the module name.
- If you are using a long file name that contains a space, use quoted strings to indicate where the file name ends and the arguments begin (see the explanation for the `lpApplicationName` parameter). If the file name does not contain an extension, .exe is appended. Therefore, if the file name extension is .com, this parameter must include the .com extension.
* file name ends in a period with no extension, or if the file
* name contains a path, .exe is not appended. If the file name
* does not contain a directory path, the system searches for the
* executable file in the following sequence:<br>
* <br>
* 1. The directory from which the application loaded.<br>
* 2. The current directory for the parent process.<br>
* 3. The 32-bit Windows system directory. Use the
* GetSystemDirectory function to get the path of this directory.<br>
* <br>
* 4. The 16-bit Windows system directory. There is no function
* that obtains the path of this directory, but it is searched.<br>
* <br>
* 5. The Windows directory. Use the GetWindowsDirectory function
* to get the path of this directory.<br>
* 6. The directories that are listed in the PATH environment
* variable. Note that this function does not search the
* per-application path specified by the App Paths registry key.
* To include this per-application path in the search sequence,
* use the ShellExecute function.<br>
* <br>
* The system adds a null character to the command line string to
* separate the file name from the arguments. This divides the
* original string into two strings for internal processing.<br>
* @param dwCreationFlags
* The flags that control how the process is created. <br>
* The CREATE_DEFAULT_ERROR_MODE, CREATE_NEW_CONSOLE, and
* CREATE_NEW_PROCESS_GROUP flags are enabled by default. <br>
* Even if you do not set the flag, the system functions as if it
* were set. You can specify additional flags as noted.<br>
* <br>
* CREATE_DEFAULT_ERROR_MODE: 0x04000000<br>
* The new process does not inherit the error mode of the calling
* process. <br>
* Instead, CreateProcessWithLogonW gives the new process the
* current default error mode. <br>
* An application sets the current default error mode by calling
* SetErrorMode. This flag is enabled by default.<br>
* <br>
* CREATE_NEW_CONSOLE: 0x00000010<br>
* The new process has a new console, instead of inheriting the
* parent's console. This flag cannot be used with the
* DETACHED_PROCESS flag. <br>
* This flag is enabled by default.<br>
* <br>
* CREATE_NEW_PROCESS_GROUP: 0x00000200<br>
* The new process is the root process of a new process group.
* The process group includes all processes that are descendants of this root process.<br>
* The process identifier of the new process group is the same as the process identifier, which is returned in the lpProcessInfo parameter.<br>
* Process groups are used by the GenerateConsoleCtrlEvent function to enable sending a CTRL+C or CTRL+BREAK signal to a group of console processes.<br>
* This flag is enabled by default.<br>
* CREATE_SEPARATE_WOW_VDM: 0x00000800<br>
* This flag is only valid starting a 16-bit Windows-based application.<br>
* If set, the new process runs in a private Virtual DOS Machine (VDM).<br>
* By default, all 16-bit Windows-based applications run in a single, shared VDM.<br>
* The advantage of running separately is that a crash only terminates the single VDM; any other programs running in distinct VDMs continue to function normally.<br>
* Also, 16-bit Windows-based applications that run in separate VDMs have separate input queues, which means that if one application stops responding momentarily, applications in separate VDMs continue to receive input.<br>
* CREATE_SUSPENDED: 0x00000004<br>
* The primary thread of the new process is created in a suspended state, and does not run until the ResumeThread function is called.<br>
* CREATE_UNICODE_ENVIRONMENT: 0x00000400<br>
* Indicates the format of the lpEnvironment parameter.<br>
* If this flag is set, the environment block pointed to by lpEnvironment uses Unicode characters. Otherwise, the environment block uses ANSI characters.<br>
* EXTENDED_STARTUPINFO_PRESENT: 0x00080000<br>
* The process is created with extended startup information; the lpStartupInfo parameter specifies a STARTUPINFOEX structure.<br>
* Windows Server 2003 and Windows XP: This value is not supported.<br>
* @param lpEnvironment<br>
* [in, optional]<br>
* A pointer to an environment block for the new process.<br>
* If this parameter is NULL, the new process uses an environment created from the profile of the user specified by lpUsername.<br>
* An environment block consists of a null-terminated block of null-terminated strings.<br>
* Each string is in the following form:
Because the equal sign (=) is used as a separator, it must not be used in the name of an environment variable.<br>

An environment block can contain Unicode or ANSI characters.<br>

If the environment block pointed to by lpEnvironment contains Unicode characters, ensure that dwCreationFlags includes CREATE_UNICODE_ENVIRONMENT.<br>

If this parameter is NULL and the environment block of the parent process contains Unicode characters, you must also ensure that dwCreationFlags includes CREATE_UNICODE_ENVIRONMENT.<br>

An ANSI environment block is terminated by two 0 (zero) bytes: one for the last string and one more to terminate the block.<br>

A Unicode environment block is terminated by four zero bytes: two for the last string and two more to terminate the block.<br>

To retrieve a copy of the environment block for a specific user, use the CreateEnvironmentBlock function.<br>

@param lpCurrentDirectory
[in, optional]<br>
The full path to the current directory for the process.<br>
The string can also specify a UNC path.<br>If this parameter is NULL, the new process has the same current drive and directory as the calling process.<br>This feature is provided primarily for shells that need to start an application, and specify its initial drive and working directory.<br>

@param lpStartupInfo
[in]<br>
A pointer to a STARTUPINFO or STARTUPINFOEX structure.<br>The application must add permission for the specified user account to the specified window station and desktop, even for WinSta0\Default.<br>If the lpDesktop member is NULL or an empty string, the new process inherits the desktop and window station of its parent process.<br>The application must add permission for the specified user account to the inherited window station and desktop.<br>Windows XP: CreateProcessWithLogonW adds permission for the specified user account to the inherited window station and desktop.<br>Handles in STARTUPINFO or STARTUPINFOEX must be closed with CloseHandle when they are no longer needed.<br>Important If the dwFlags member of the STARTUPINFO structure specifies STARTF_USESTDHANDLES, the standard handle fields are copied unchanged to the child process without validation.
The caller is responsible for ensuring that these fields contain valid handle values. Incorrect values can cause the child process to misbehave or crash.

Use the Application Verifier runtime verification tool to detect invalid handles.

@param lpProcessInfo
[out]
A pointer to a PROCESS_INFORMATION structure that receives identification information for the new process, including a handle to the process.
Handles in PROCESS_INFORMATION must be closed with the CloseHandle function when they are not needed.

@return If the function succeeds, the return value is nonzero.
If the function fails, the return value is 0 (zero).
To get extended error information, call GetLastError.
Note that the function returns before the process has finished initialization.
If a required DLL cannot be located or fails to initialize, the process is terminated.
To get the termination status of a process, call GetExitCodeProcess.

@see <a href="http://msdn.microsoft.com/en-us/library/windows/desktop/ms682431%28v=vs.85%29.aspx">MSDN</a>
*/

Found in path(s):
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Advapi32.java
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jar/com/sun/jna/platform/linux/XAttr.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources- 
jar/com/sun/jna/platform/linux/XAttrUtil.java
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jar/com/sun/jna/platform/win32/Ntifs.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources- 
jar/com/sun/jna/platform/win32/WmiocntlUtil.java
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jar/com/sun/jna/platform/win32/WTypes.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Winevt.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Wevtapi.java
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// MessageId: ERROR_DS_CONFIDENTIALITY_REQUIRED
// version.

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/EnumVariant.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Winsock2.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/ShTypes.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/IEnumVariant.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/COMInvokeException.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/LMShare.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Mpr.java
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jar/com/sun/jna/platform/linux/LibRT.java
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jar/com/sun/jna/platform/linux/Fcntl.java
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jar/com/sun/jna/platform/linux/Udev.java
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/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/PdhMsg.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/unix/Resource.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/unix/LibC.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/CallbackProxy.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/DispatchVTable.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/IComEventCallbackCookie.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/IRawDispatchHandle.java */
/* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/util/CallbackProxy.java */
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/OaIdlUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/SetupApi.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/Msi.java
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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/DdemlUtil.java
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* /opt/ws_local/PERMITS_SQL/1068791824_1594458685.64/0/netty-codec-http-4-1-45-final-sources-1-
  jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
* /opt/ws_local/PERMITS_SQL/1068791824_1594458685.64/0/netty-codec-http-4-1-45-final-sources-1-
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The actual classes of The Simple API for CSS (SAC) came from:
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/ClassLoaderHelper.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/ServiceClientHolderInputStream.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/PredefinedClientConfigurations.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/PredefinedClientConfigurations.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/http/DelegatingDnsResolver.java

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  jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
  jar/com/amazonaws/handlers/RequestHandler2Adaptor.java
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  jar/com/amazonaws/transform/StandardErrorUnmarshaller.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/ApacheHttpClientConfig.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/waiters/NoOpWaiterHandler.java
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<th>File Path</th>
<th>Class/Method Name</th>
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/StringUtils.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/retry/internal/AuthErrorRetryStrategy.java
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jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
arcom/amazonaws/retry/v2/RetryOnExceptionsCondition.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
arcom/amazonaws/protocol/json/ContentTypeResolver.java

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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/IdempotentUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/FakeIOException.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/http/apache/utils/ApacheUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/log/InternalLogFactory.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/DateTimeJsonSerializer.java
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 * Interface for providing AWS region information. Implementations are free to use any strategy for
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
  jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
  jar/com/amazonaws/http/IdleConnectionReaper.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
  jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
  */opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/config/SignerConfig.java
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END OF TERMS AND CONDITIONS

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
*interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
*and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
*loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
*
Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

Linux driver for the IDT77201 NICStAR PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver
expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

Implementing minimal-copy of received data:
IDT always receives data into a small buffer, then large buffers
as needed. This means that data must always be copied to create
the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire
SDU, and leave <small_buffer_data> bytes empty at the start. Then
copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large
buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer
   combined, allow nicstar_free_rx_skb to be called to
   recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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M. Welsh, 6 July 1996
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procedure and CyberLogin is no longer used.)

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 */
/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
jar/META-INF/maven/io.netty/netty-transport-native-epoll/pom.xml
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/**
 * Set the {TCP_MD5SIG} option on the socket. See {linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
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  jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/Epoll.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/package-info.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-
  jar/io/netty/channel/epoll/EpollTcpInfo.java

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*/opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources.jar/netty_epoll_native.c
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*/opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources.jar/io/netty/channel/epoll/EpollDatagramChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/netty_epoll_linuxsocket.c
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/netty_epoll_linuxsocket.h
* /opt/ws_local/PERMITS_SQL/1075084041_1596044813.39/0/netty-transport-native-epoll-4-1-51-final-sources-jar/io/netty/channel/epoll/LinuxSocket.java

1.1542 util-linux 2.23.2-59.el7

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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
  #1:         32       7648  0x83
  #2:       7680       8704  0xa5
  #5:       7936       4864  0x7 (freebsd)
  #6:      12544       3584  0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device  Boot  Start  End   Blocks   Id  System
___________  _____  ____  ____   _____  ____   ____
  __ts_dev__ 1      2048 4095   1024    83  Linux

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device  Boot  Start  End   Blocks   Id  System
___________  _____  ____  ____   _____  ____   ____
  __ts_dev__1 2048  4095  1024    83  Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8aff51a88a045db233418dd73f8e bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device  Boot  Start  End   Blocks   Id  System
___________  _____  ____  ____   _____  ____   ____
  __ts_dev__1 2048  4095  1024    83  Linux
Create default BSD
2e1cee529c59e9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#       start       end      size     fstype   [fsize bsize   cpg]
c:     4096     20479     16384     unused        0     0     0
d:        0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#       start       end      size     fstype   [fsize bsize   cpg]
a:     4096     6144     2049     4.2BSD        0     0     0
c:     4096     20479     16384     unused        0     0     0
d:        0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0  unused           5  4.1BSD           9  4.4LFS           d  boot
1  swap             6  Eighth Edition  a  unknown          e  ADOS
2  Version 6        7  4.2BSD           b  HPFS             f  HFS
3  Version 7        8  MS-DOS           c  ISO-9660          10  AdvFS
4  System V

BSD disklabel command (m for help):

1.1543 cyrus-sasl 2.1.26-21.el7
1.1543.1 Available under license :

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 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
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* M. Welsh, 6 July 1996
*
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Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
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Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/http/client/AsyncClientHttpRequestFactory.java

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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/context/request/AbstractRequestAttributes.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/soap/client/http/TLSProtocolSocketFactory.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wssign/impl/FromImpl.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/KeySizeBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/RenewTargetImpl.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/SignatureAlgorithmBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/AbstractWSTrustObject.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wsacl/impl/AuthenticatorBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wacl/impl/FromImpl.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wacl/impl/KeySizeBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wsacl/impl/FromImpl.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wsacl/impl/KeySizeBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wsacl/impl/KeySizeBuilder.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/schema/ws-trust-1.3.xsd

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Found in path(s):
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/schema/oasis-200401-wss-wssecurity-secext-1.0.xsd
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/schema/oasis-200401-wss-wssecurity-utility-1.0.xsd

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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/schema/soap-envelope.xsd

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*/
/**
 * Indicates whether this encoder, given the current message context, provides end-to-end message confidentiality.
 * @param messageContext the current message context
 * @return true if the encoder provides end-to-end message confidentiality, false if not
 * @throws MessageEncodingException thrown if the encoder encounter an error while attempt to evaluate its
 *             ability to provide message confidentiality.
 */

Found in path(s):
*/opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/message/encoder/MessageEncoder.java
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*/
/**
 * Gets whether the transport represents a confidential connection (e.g. an SSL connection).
 * @return whether the transport represents a confidential connection
 */
/**
 * Sets whether the transport represents a confidential connection.
 * @param isConfidential whether the transport represents a confidential connection
 */

The OASIS Web Services Security: SOAP Message Security 1.1 (WS-Security 2004) specification describes enhancements to SOAP messaging to provide message integrity and confidentiality. This specification also provides a general-purpose mechanism for associating security tokens with message content.

The security token profiles currently supported are:

- Web Services Security UsernameToken Profile 1.1
- Web Services Security: SAML Token Profile 1.1
- Web Services Security X.509 Certificate Token Profile 1.1
- Web Services Security Kerberos Token Profile 1.1

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/** Confidential flag. */

Found in path(s):
*/opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/transport/BaseTransport.java

1.1553 libthai 0.1.14 9.el7
1.1553.1 Available under license :

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Version 2.1, February 1999

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include/GL/gl.h:
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include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h :

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  jar/org/apache/commons/logging/LogConfigurationException.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/ConstraintValidatorFactory.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/ValidatorFactory.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/ConstraintViolationException.java
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jar/javax/validation/bootstrap/package-info.java
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jar/javax/validation/constraintvalidation/SupportedValidationTarget.java
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jar/javax/validation/metadata/CrossParameterDescriptor.java
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jar/javax/validation/metadata/GroupConversionDescriptor.java
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jar/javax/validation/ConstraintTarget.java
* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/package-info.java
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1.1566 llvm 6.0.1-2.el7
1.1566.1 Available under license :
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zeC12 -verify-machinein strs | FileCheck %s
;
; Test that early if conversion produces LOCR with operands of the right
; register classes.
define void @autogen_SD4739(i8*) { 
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

CF246: ; preds = %CF246, %BB
%S163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248; ; preds = %CF248, %CF246
store i8 %S163, i8* %0
br label %CF248
}
; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |
FileCheck %s

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: add256:
; CHECK:       # %bb.0:
; CHECK-NEXT:    vmovdqa (%rdi), %ymm0
; CHECK-NEXT:    vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:    vpaddd (%rsi), %ymm0, %ymm0
; CHECK-NEXT:    vpaddd 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT:    vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:    vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: add512:
; CHECK:       # %bb.0:
; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:    vpadd (%rsi), %zmm0, %zmm0
; CHECK-NEXT:    vpadd 32(%rsi), %zmm1, %zmm1
; CHECK-NEXT:    vmovdqa %zmm1, 32(%rdx)
; CHECK-NEXT:    vmovdqa %zmm0, (%rdx)
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {

; CHECK-LABEL: avg_v64i8_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT: vpavgb (%rdi), %ymm0, %ymm0
; CHECK-NEXT: vpavgb 32(%rdi), %ymm1, %ymm0
; CHECK-NEXT: vmovdqu %ymm1, (%rax)
; CHECK-NEXT: vmovdqu %ymm0, (%rax)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%1 = load <64 x i8>, <64 x i8>* %a
%2 = load <64 x i8>, <64 x i8>* %b
%3 = zext <64 x i8> %1 to <64 x i32>
%4 = zext <64 x i8> %2 to <64 x i32>
%5 = add nuw nsw <64 x i32> %3, %4
%6 = add nuw nsw <64 x i32> %5, %6
%7 = lshr <64 x i32> %6, %7 to <64 x i8>
store <64 x i8> %7, <64 x i8>* undef, align 4
ret void
}

; CHECK-LABEL: avg_v64i8_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rsi), %zmm0
; CHECK-NEXT: vpavgb (%rdi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqu64 %zmm0, (%rax)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%1 = load <64 x i8>, <64 x i8>* %a
%2 = load <64 x i8>, <64 x i8>* %b

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {

; CHECK-LABEL: avg_v64i8_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rsi), %zmm0
; CHECK-NEXT: vpavgb (%rdi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqu64 %zmm0, (%rax)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

%1 = load <64 x i8>, <64 x i8>* %a
%2 = load <64 x i8>, <64 x i8>* %b
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
    %A = load <32 x i16>, <32 x i16>* %APtr
    %B = load <32 x i16>, <32 x i16>* %BPtr
    %a = sext <32 x i16> %A to <32 x i32>
    %b = sext <32 x i16> %B to <32 x i32>
    %m = mul nsw <32 x i32> %a, %b
    %odd = shufflevector <32 x i32> %m, undef, <16 x i32> %odd
    %even = shufflevector <32 x i32> %m, undef, <16 x i32> %even
    %ret = add <16 x i32> %odd, %even
    store <16 x i32> %ret, <16 x i32>* %CPtr
    ret void
}

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
    %A = load <32 x i16>, <32 x i16>* %APtr
    %B = load <32 x i16>, <32 x i16>* %BPtr
    %a = sext <32 x i16> %A to <32 x i32>
    %b = sext <32 x i16> %B to <32 x i32>
    %m = mul nsw <32 x i32> %a, %b
    %odd = shufflevector <32 x i32> %m, undef, <16 x i32> %odd
    %even = shufflevector <32 x i32> %m, undef, <16 x i32> %even
    %ret = add <16 x i32> %odd, %even
    store <16 x i32> %ret, <16 x i32>* %CPtr
    ret void
}
define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: psubus_64i8_max_256:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqa %ymm0, 32(%rdx)
  ; CHECK-NEXT: vmovdqa %ymm1, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %x = load <64 x i8>, <64 x i8>* %xptr
  %y = load <64 x i8>, <64 x i8>* %yptr
  %cmp = icmp ult <64 x i8> %x, %y
  %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
  %res = sub <64 x i8> %max, %y
  store <64 x i8> %res, <64 x i8>* %zptr
  ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: psubus_64i8_max_512:
  ; CHECK:       # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vpsubusb (%rsi), %zmm0, %zmm0
  ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %x = load <64 x i8>, <64 x i8>* %xptr
%y = load <i64 x i8>, <i64 x i8>* %y_ptr
%cmp = icmp ult <i64 x i8> %x, %y
%max = select <i64 x i1> %cmp, <i64 x i8> %y, <i64 x i8> %x
%res = sub <i64 x i8> %max, %y
store <i64 x i8> %res, <i64 x i8>* %z_ptr
ret void
}

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB8_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %ymm3
; CHECK-NEXT: vpmovsxbw 16(%rdi,%rcx), %ymm4
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %ymm5
; CHECK-NEXT: vpmaddwd %ymm3, %ymm5, %ymm3
; CHECK-NEXT: vpmaddwd %ymm1, %ymm3, %ymm1
; CHECK-NEXT: vpmovsxbw 16(%rsi,%rcx), %ymm3
; CHECK-NEXT: vpmaddwd %ymm4, %ymm3, %ymm4
; CHECK-NEXT: vpmaddwd %ymm3, %ymm3, %ymm3
; CHECK-NEXT: vpaddd %ymm3, %ymm4, %ymm4
; CHECK-NEXT: vpaddd %ymm0, %ymm3, %ymm0
; CHECK-NEXT: vpaddd %ymm0, %ymm4, %ymm4
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpaddd %xmm1, %ymm0, %ymm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body
vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
width"="512" { 
; CHECK-LABEL: _Z9test_charPcS_i_512:
; CHECK:     # %bb.0: # %entry
; CHECK-NEXT:  movl %edx, %eax
; CHECK-NEXT:  vxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:  xorl %ecx, %ecx
; CHECK-NEXT:  vxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT:  p2align 4, 0x90
; CHECK-NEXT:  .LBB9_1: # %vector.body
; CHECK-NEXT:   # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %zmm2
; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %zmm3
; CHECK-NEXT:    vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT:    vpaddd %zmm1, %zmm2, %zmm1
; CHECK-NEXT:    addq $32, %rcx
; CHECK-NEXT:    cmpq %rcx, %rax
; CHECK-NEXT:    jne .LBB9_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:    vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:    vmovd %xmm0, %eax
; CHECK-NEXT:    vzeroupper
; CHECK-NEXT:    retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
  %rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
  %rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
  %rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
  %rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

@a = global [1024 x i8] zeroinitializer, align 16
@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
  ; CHECK-LABEL: sad_16i8_256:
  ; CHECK:    # %bb.0: # %entry
  ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT: movq $-1024, %rax # imm = 0xFc00
  ; CHECK-NEXT: vpsadbw %ymm1, %ymm2, %ymm1
  ; CHECK-NEXT: .p2align 4, 0x90
  ; CHECK-NEXT: .lbb10_1: # %vector.body
  ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT: vnmdqu a+1024(%rax), %xmm2
  ; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm2, %ymm2
  ; CHECK-NEXT: vpaddd %ymm1, %ymm2, %ymm1
}
entry:
    br label %vector.body

vector.body:
    %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
    %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
    %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
    %1 = bitcast i8* %0 to <16 x i8>*
    %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
    %2 = zext <16 x i8> %wide.load to <16 x i32>
    %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
    %4 = bitcast i8* %3 to <16 x i8>*
    %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
    %5 = zext <16 x i8> %wide.load1 to <16 x i32>
    %6 = sub nsw <16 x i32> %2, %5
    %7 = icmp sgt <16 x i32> %6, %i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1
    %8 = sub nsw <16 x i32> %6, %i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1
    %9 = select <16 x i1> %7, %10, %9
    %10 = add nsw <16 x i32> %9, %vec.phi
    %index.next = add i64 %index, 4
    %11 = icmp eq i64 %index.next, 1024
    br i1 %11, label %middle.block, label %vector.body

middle.block:
    %.lcssa = phi <16 x i32> [ %10, %vector.body ]
    %rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> undef, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
    %bin.rdx = add <16 x i32> %rdx.shuf
    %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, %i32 4, %i32 5, %i32 6, %i32 7, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
    %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
    %rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, %i32 2, %i32 3, %i32 4, %i32 5, %i32 6, %i32 7, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
    %bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
    %rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, %i32 1, %i32 2, %i32 3, %i32 4, %i32 5, %i32 6, %i32 7, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
    %bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
    %rdx.shuf5 = shufflevector <16 x i32> %bin.rdx4, <16 x i32> undef, %i32 8, %i32 9, %i32 10, %i32 11, %i32 12, %i32 13, %i32 14, %i32 15, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef, %i32 undef
i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK: # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB11_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
; CHECK-NEXT: vpadd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 %xmm1, %zmm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 %zmm0, %zmm0
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpshufd [.*#+] %xmm1 = %xmm0\[2,3,0,1\]
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpshufd [.*#+] %xmm1 = %xmm0\[1,1,2,3\]
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vmovd %zmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

type %vec.body:
; entry:
; br label %vector.body
vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i8> [ zeroinitializer, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, %<i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, %<16 x i32> %6, %<16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

define void @sbt016f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbt016f32_256:
; CHECK:     # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vcvtq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
define void @sbtol6f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {  
; CHECK-LABEL: sbtol6f32_512:  
; CHECK:    # %bb.0:  
; CHECK-NEXT: vpmovw2m %ymm0, %k0  
; CHECK-NEXT: vpmovm2d %k0, %zmm0  
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0  
; CHECK-NEXT: vmovaps %zmm0, (%rdi)  
; CHECK-NEXT: vzeroupper  
; CHECK-NEXT: retq  
%mask = icmp slt <16 x i16> %a, zeroinitializer  
%1 = sitofp <16 x i1> %mask to <16 x float>  
store <16 x float> %1, <16 x float>* %res  
ret void  
}  

define void @sbtol6f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {  
; CHECK-LABEL: sbtol6f64_256:  
; CHECK:    # %bb.0:  
; CHECK-NEXT: vpmovw2m %ymm0, %k0  
; CHECK-NEXT: kshiftrw $8, %k0, %k1  
; CHECK-NEXT: vpmovm2d %k1, %ymm0  
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1  
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0  
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0  
; CHECK-NEXT: vpmovm2d %k0, %ymm2  
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3  
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2  
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2  
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)  
; CHECK-NEXT: vmovaps %ymm3, 32(%rdi)  
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)  
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)  
; CHECK-NEXT: vzeroupper  
; CHECK-NEXT: retq  
%mask = icmp slt <16 x i16> %a, zeroinitializer  
%1 = sitofp <16 x i1> %mask to <16 x double>  
store <16 x double> %1, <16 x double>* %res  
ret void  
}  

define void @sbtol6f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {  
; CHECK-LABEL: sbtol6f64_512:  
; CHECK:    # %bb.0:  
; CHECK-NEXT: vpmovw2m %ymm0, %k0  
; CHECK-NEXT: vpmovm2d %k0, %zmm0  

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {  
define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f64_256:
    ; CHECK:     # %bb.0:
    ; CHECK-NEXT: vpmovw2m %ymm0, %k0
    ; CHECK-NEXT: kshiftrw $8, %k0, %k1
    ; CHECK-NEXT: vpmovmd %k1, %ymm0
    ; CHECK-NEXT: vpsrl $31, %ymm0, %ymm0
    ; CHECK-NEXT: vcvtdq2pd %ymm0, %ymm1
    ; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT: vpmovmd %k0, %ymmm2
    ; CHECK-NEXT: vpsrl $31, %ymmm2, %ymmm2
    ; CHECK-NEXT: vextracti128 %ymm0, %ymmm2
    ; CHECK-NEXT: vcvtdq2pd %ymmm2, %ymmm2
    ; CHECK-NEXT: vmovaps %ymmm2, 32(%rdi)
    ; CHECK-NEXT: vmovaps %ymmm1, 64(%rdi)
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f64_512:
    ; CHECK:     # %bb.0:
    ; CHECK-NEXT: vpmovvw2m %ymm0, %k0
    ; CHECK-NEXT: vpmovmd %k0, %zmm0
    ; CHECK-NEXT: vpsrl $31, %zmm0, %zmm0
    ; CHECK-NEXT: vcvtdq2pd %zmm0, %zmm1
    ; CHECK-NEXT: vextracti64x4 %zmm0, %ymmm0
    ; CHECK-NEXT: vcvtdq2pd %ymmm0, %ymmm0
    ; CHECK-NEXT: vmovaps %ymmm0, 64(%rdi)
    ; CHECK-NEXT: vmovaps %ymmm1, 64(%rdi)
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}
define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32toub_256:
    ; CHECK:    # %bb.0:
    ; CHECK-NEXT: vcvtpps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvtpps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k1
    ; CHECK-NEXT: vpmovd2m %k0, %k1, %k1
    ; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT: retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32toub_512:
    ; CHECK:    # %bb.0:
    ; CHECK-NEXT: vcvtpps2dq (%rdi), %zmm1
    ; CHECK-NEXT: vpslld $31, %zmm1, %zmm1
    ; CHECK-NEXT: vpmovd2m %zmm1, %k1
    ; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT: retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32tosb_256:
    ; CHECK:    # %bb.0:
    ; CHECK-NEXT: vcvtpps2dq (%rdi), %ymm1
    ; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k0
    ; CHECK-NEXT: vcvtpps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT: vpmovd2m %ymm1, %k1
    ; CHECK-NEXT: kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT: vmovdqu16 %ymm0, %ymm0 [%k1] {z}
    ; CHECK-NEXT: retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}
define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:    # %bb.0:
; CHECK-NEXT: vcntps2dq (%rdi), %zmm1
; CHECK-NEXT: vpmovd2m %zmm1, %k1
; CHECK-NEXT: vpmovdqu16 %ymm0, %ymm0 [%k1] {z}
; CHECK-NEXT: retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: mul256:
; CHECK:    # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vmovdqa (%rsi), %ymm2
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm4 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13]
,ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26]
,ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm5 = ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm6 = ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13]
,ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26]
,ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm7 = ymm0[24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm8 = ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[31]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm9 = ymm0[16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm10 = ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT: vpunpckhbw {{.*#+}} ymm11 = ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: mul512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0
    ; CHECK-NEXT:    vmovdqa64 (%rsi), %zmm1
    ; CHECK-NEXT:    vpunpckhbw {{.*#+}} %zmm2 =
    ; CHECK-NEXT:    vpmullw %zmm2, %zmm3, %zmm2
    ; CHECK-NEXT:    vmovdqa {{.*#+}} %zmm3 =
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
%
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}
; CHECK-NEXT: vpand %zmm3, %zmm2, %zmm2
; CHECK-NEXT: vpunpcklbw {.*} %zmm1 =
; CHECK-NEXT: vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper

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Open Source Used In Virtualized Voice Browser 12.6(1) 16414
define void @zext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'zext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; VEC512-LABEL: 'zext256'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    ; AVX-LABEL: 'zext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    %B = zext <8 x i32> undef to <8 x i64>
    %C = zext <16 x i8> undef to <16 x i32>
    %D = zext <16 x i16> undef to <16 x i32>
    %E = zext <32 x i8> undef to <32 x i16>
    ret void
}

define void @zext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'zext512'

define void @sext256() "min-legal-vector-width"="256" {
  %A = sext <8 x i16> undef to <8 x i64>
  %B = sext <8 x i32> undef to <8 x i64>
  %C = sext <16 x i8> undef to <16 x i32>
  %D = sext <16 x i16> undef to <16 x i32>
  %E = sext <32 x i8> undef to <32 x i16>
  ret void
}
define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}

define void @sext512() "min-legal-vector-width"="512" {
    %A = sext <8 x i8> undef to <8 x i64>
    %B = sext <8 x i16> undef to <8 x i64>
    %C = sext <8 x i32> undef to <8 x i64>
    %D = sext <16 x i8> undef to <16 x i32>
    %E = sext <16 x i16> undef to <16 x i32>
    %F = sext <32 x i8> undef to <32 x i16>
    ret void
}
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}

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 */

; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"
%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:
  ; preds = %entry
  br label %while.body

while.body:
  ; preds = %exit.2, %while.body.lr.ph
  %lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
  switch i32 undef, label %exit [
    i32 1, label %sw.bb.i
    i32 2, label %sw.bb3.i
  ]

sw.bb.i:
  ; preds = %while.body
  unreachable

sw.bb3.i:
  ; preds = %while.body
  unreachable

exit:
  ; preds = %while.body
  switch i32 undef, label %exit.2 [
    i32 1, label %sw.bb.i17
    i32 2, label %sw.bb3.i20
  ]

sw.bb.i17:
  ; preds = %exit
  %0 = bitcast %struct.0* %lsr.iv to i32*
  %1 = load i32, i32* %0, align 4
  unreachable

sw.bb3.i20:
  ; preds = %exit
  %2 = bitcast %struct.0* %lsr.iv to i8**
  %3 = load i8*, i8** %2, align 4
  unreachable

exit.2:
  ; preds = %exit
  %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
  br label %while.body

while.end:
  ; preds = %entry
  ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
ret void
}

define internal void @innerNoAttribute() {
ret void
}

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.
define void @outerNoAttribute() {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
call void @innerLarge()
ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
call void @innerSmall()
ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
call void @innerNoAttribute()
ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }

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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]??]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]??]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
define void @foo_i8() 
{
entry:
%0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
%1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
%2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
%3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
%4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
store i8 %4, i8* inttoptr(i32 805873688 to i8*)
store i8 %3, i8* inttoptr(i32 805873719 to i8*)
store i8 %2, i8* inttoptr(i32 805873720 to i8*)
store i8 %1, i8* inttoptr(i32 805873727 to i8*)
store i8* inttoptr(i32 805874800 to i8*), i8** @goo
ret void
}
define void @foo_i16() {
  entry:
  %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
  %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
  %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
  %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
  %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
  %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
  ret void
}

define void @foo_i32() {
  entry:
  %0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
  %1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
  %2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
  %3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
  %4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
  %5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
  ret void
}

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</tr>
<tr>
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<td>llvm/lib/Support/{reg*, COPYRIGHT.regex}</td>
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<td>pyyaml tests</td>
<td>llvm/test/YAMLParser/[^.*data, LICENSE.TXT]</td>
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; RUN: llc -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s ;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)
define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

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1.1567 tools-ant 1.8.2

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 * Base class for deriving an XML filter.
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 *
 * This class is designed to sit between an XMLReader and the client application's event handlers. By default, it
does nothing but pass requests up to the reader and events
* on to the handlers unmodified, but subclasses can override
* specific methods to modify the event stream or the configuration
* requests as they pass through.</p>
*
* @since SAX 2.0
* @author David Megginson,
* @version 2.0
* @see org.xml.sax.XMLFilter
* @see org.xml.sax.XMLReader
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.ContentHandler
* @see org.xml.sax.ErrorHandler
*/

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/**
 * Basic interface for SAX error handlers.
 *
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If a SAX application needs to implement customized error handling, it must implement this interface and then register an instance with the XML reader using the

```java
@link org.xml.sax.XMLReader#setErrorHandler setErrorHandler
```

method. The parser will then report all errors and warnings through this interface.

**WARNING:** If an application does not register an ErrorHandler, XML parsing errors will go unreported and bizarre behavior may result.

For XML processing errors, a SAX driver must use this interface instead of throwing an exception: it is up to the application to decide whether to throw an exception for different types of errors and warnings. Note, however, that there is no requirement that the parser continue to provide useful information after a call to

```java
@link #fatalError fatalError
```

(in other words, a SAX driver class could catch an exception and report a fatalError).

@since SAX 1.0
@see org.xml.sax.Parser#setErrorHandler
@see org.xml.sax.SAXParseException

For XML attributes, this interface allows access to a list of attributes in three different ways:

- by attribute index;
- by Namespace-qualified name; or
- by Namespace-qualified name; or
The list will not contain attributes that were declared #IMPLIED but not specified in the start tag. It will also not contain attributes used as Namespace declarations (xmlns*) unless the feature is set to (it is false by default).}</p>

If the namespace-prefixes feature (see above) is false, access by qualified name may not be available; if the feature is false, access by Namespace-qualified names may not be available.</p>

This interface replaces the now-deprecated SAX1 AttributeList interface, which does not contain Namespace support. In addition to Namespace support, it adds the getIndex methods (below).</p>

The order of attributes in the list is unspecified, and will vary from implementation to implementation.</p>

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax/helpers.AttributeListImpl

Default implementation for AttributeList.

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AttributeList implements the deprecated SAX1 AttributeList interface, which does not contain Namespace support. In addition to Namespace support, it has been replaced by the new SAX2 AttributesImpl interface.

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This class provides a convenience implementation of the SAX
{@link org.xml.sax.AttributeList AttributeList} interface. This
implementation is useful both for SAX parser writers, who can use
it to provide attributes to the application, and for SAX application
writers, who can use it to create a persistent copy of an element's
attribute specifications:

```
private AttributeList myatts;

public void startElement (String name, AttributeList atts)
{
    // create a persistent copy of the attribute list
    // for use outside this method
    myatts = new AttributeListImpl(atts);
    [...]
}
```

Please note that SAX parsers are not required to use this
class to provide an implementation of AttributeList; it is
supplied only as an optional convenience. In particular,
parser writers are encouraged to invent more efficient
implementations.

@deprecated This class implements a deprecated interface,
{@link org.xml.sax.AttributeList AttributeList}; that interface has been replaced by
{@link org.xml.sax.Attributes Attributes}, which is implemented in the
AttributesImpl} helper class.

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.AttributeList
@see org.xml.sax.DocumentHandler#startElement

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An XML filter is like an XML reader, except that it obtains its events from another XML reader rather than a primary source like an XML document or database. Filters can modify a stream of events as they pass on to the final application.

The XMLFilterImpl helper class provides a convenient base for creating SAX2 filters, by passing on all EntityResolver, DTDHandler, ContentHandler, and ErrorHandler events automatically.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.helpers.XMLFilterImpl

If a SAX parser provides location information to the SAX application, it does so by implementing this interface and then passing an instance to the application using the content handler's setDocumentLocator method. The application can use the object to obtain the location of any other content handler event in the XML source document.

Note that the results returned by the object will be valid only during the scope of each content handler method: the application will receive unpredictable results if it attempts to use the locator at any other time.
SAX parsers are not required to supply a locator, but they are very strongly encouraged to do so. If the parser supplies a locator, it must do so before reporting any other document events. If no locator has been set by the time the application receives the `startDocument` event, the application should assume that a locator is not available.

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.ContentHandler#setDocumentLocator

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If a SAX application needs information about notations and unparsed entities, then the application implements this interface and registers an instance with the SAX parser using the parser's `setDTDHandler` method. The parser uses the instance to report notation and unparsed entity declarations to the application.

Note that this interface includes only those DTD events that the XML recommendation requires processors to report: notation and unparsed entity declarations.

The SAX parser may report these events in any order, regardless of the order in which the notations and unparsed entities were declared; however, all DTD events must be reported after the document handler's `startDocument` event, and before the first `startElement` event.

It is up to the application to store the information for future use (perhaps in a hash table or object tree). If the application encounters attributes of type "NOTATION",
"ENTITY", or "ENTITIES", it can use the information that it
obtained through this interface to find the entity and/or
notation corresponding with the attribute value.</p>
* 
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setDTDHandler
* @see org.xml.sax.HandlerBase
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/DTDHandler.java
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This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY. This class implements the default behaviour for four SAX1 interfaces: EntityResolver, DTDHandler, DocumentHandler, and ErrorHandler. It is now obsolete, but is included in SAX2 to support legacy SAX1 applications. SAX2 applications should use the DefaultHandler instead.

Application writers can extend this class when they need to implement only part of an interface; parser writers can instantiate this class to provide default handlers when the application has not supplied its own.
Note that the use of this class is optional.

@deprecated This class works with the deprecated
interface. It has been replaced by the SAX2
class.

@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.EntityResolver
@see org.xml.sax.DTDHandler
@see org.xml.sax.DocumentHandler
@see org.xml.sax.ErrorHandler

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 */
/**
 * <strong>DOM Level 3 WD Experimental:</strong>
 * The DOM Level 3 specification is at the stage
 * of Working Draft, which represents work in
 * progress and thus may be updated, replaced,
 * or obsoleted by other documents at any time.<strong> </strong><p>
 * <code>XPathEvaluator</code>, which will provide evaluation of XPath 1.0
 * expressions with no specialized extension functions or variables. It is
 * expected that the <code>XPathEvaluator</code> interface will be
 * implemented on the same object which implements the <code>Document</code>
 * interface in an implementation which supports the XPath DOM module.
 * <code>XPathEvaluator</code> implementations may be available from other
 * sources that may provide support for special extension functions or
 * variables which are not defined in this specification. The methods of
 * XPathExpression should be named with more-XPath- specific names because
 * the interface will often be implemented by the same object which
 * implements document.No change.The point of interfaces is to localize the
 * implementing namespace. This would make the method names unnecessarily
 * long and complex even though there are no conflicts in the interface
 * itself. The new core method getInterface is designed for discovering
 * interfaces of additional modules that may not be directly implemented on
 * the objects to which they are attached. This could be used to implement
XPath on a separate object. The user only refers to the separate
interfaces and not the proprietary aggregate implementation. Should entity
refs be supported so that queries can be made on them? No change. We will
not do this now. They are not part of the XPath data model. Note that
they may be present in the hierarchy of returned nodes, but may not
directly be requested or returned in the node set. What does createResult
create when one wants to reuse the XPath? It is not useful. Removed method.
Should ordering be a separate flag, or a type of result that can be
requested. As a type of result, it can be better optimized in
implementations. It makes sense as a type of result. Changed. Removed
method. Implementing XPathEvaluator on Document can be a problem due to
conflicts in the names of the methods. The working group finds no better
solution. GetInterface in Level 3 permits the object to be implemented
separately. We should be committed to this. We will leave this issue open
to see if we get more feedback on it. How does this interface adapt to
XPath 2.0 and other query languages. No change. This interface is not
intended to adapt to XPath 2.0 or other languages. The models of these
are likely to be incompatible enough to require new APIs. For alternate
implementations that can use this API, it can be obtained from different
sources. Support for custom variables and functions would be very useful.
No change. It is possible for an implementation to supply alternative
sources of an XPathEvaluator that can be customized with a custom
variable and function context. We do not specify how this is
accomplished. It is too complex to address in this version of the XPath
DOM.

See also the &lt;a href='http://www.w3.org/TR/2002/WD-DOM-Level-3-XPath-20020328'&gt;Document Object Model (DOM) Level 3 XPath Specification&lt;/a&gt;.

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Public Domain, and comes with &lt;strong&gt;NO WARRANTY&lt;/strong&gt;.&lt;/em&gt;

This is the original SAX1 interface for reporting an element's
attributes. Unlike the new {@link org.xml.sax.Attributes Attributes} interface, it does not support Namespace-related information.&lt;/p&gt;

When an attribute list is supplied as part of a
{[@link org.xml.sax.DocumentHandler#startElement startElement]
* event, the list will return valid results only during the
* scope of the event; once the event handler returns control
* to the parser, the attribute list is invalid. To save a
* persistent copy of the attribute list, use the SAX1
* [@link org.xml.sax.helpers.AttributeListImpl AttributeListImpl]
* helper class.</p>

* &lt;p&gt;An attribute list includes only attributes that have been
* specified or defaulted: #IMPLIED attributes will not be included.&lt;/p&gt;

* &lt;p&gt;There are two ways for the SAX application to obtain information
* from the AttributeList. First, it can iterate through the entire
* list:&lt;/p&gt;

* &lt;pre&gt;
* public void startElement (String name, AttributeList atts) {
*   for (int i = 0; i < atts.getLength(); i++) {
*     String name = atts.getName(i);
*     String type = atts.getType(i);
*     String value = atts.getValue(i);
*     [...] 
*   }
* }
* &lt;/pre&gt;

* &lt;p&gt;(Note that the result of getLength() will be zero if there
* are no attributes.)

* &lt;p&gt;As an alternative, the application can request the value or
* type of specific attributes:&lt;/p&gt;

* &lt;pre&gt;
* public void startElement (String name, AttributeList atts) {
*   String identifier = atts.getValue("id");
*   String label = atts.getValue("label");
*   [...] 
* }
* &lt;/pre&gt;

* @deprecated This interface has been replaced by the SAX2
*   [@link org.xml.sax.Attributes Attributes]
*   interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*   &lt;a href="mailto:sax@megginson.com">sax@megginson.com</a&gt;
* @version 2.0
* @see org.xml.sax.DocumentHandler#startElement startElement
* @see org.xml.sax.helpers.AttributeListImpl AttributeListImpl
/**
   * Receive notification of general document events.
   *
   * <blockquote>
   * <em>This module, both source code and documentation, is in the
   * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
   * </blockquote>
   *
   * This was the main event-handling interface for SAX1; in
   * SAX2, it has been replaced by \{@link org.xml.sax.ContentHandler
   * ContentHandler\}, which provides Namespace support and reporting
   * of skipped entities. This interface is included in SAX2 only
   * to support legacy SAX1 applications.</p>
   *
   * The order of events in this interface is very important, and
   * mirrors the order of information in the document itself. For
   * example, all of an element's content (character data, processing
   * instructions, and/or subelements) will appear, in order, between
   * the startElement event and the corresponding endElement event.</p>
   *
   * Application writers who do not want to implement the entire
   * interface can derive a class from HandlerBase, which implements
   * the default functionality; parser writers can instantiate
   * HandlerBase to obtain a default handler. The application can find
   * the location of any document event using the Locator interface
   * supplied by the Parser through the setDocumentLocator method.</p>
   *
   * @deprecated This interface has been replaced by the SAX2
   * \{@link org.xml.sax.ContentHandler ContentHandler\}
   * interface, which includes Namespace support.
   * @since SAX 1.0
   * @author David Megginson,
   * \<a href="mailto:sax@megginson.com">sax@megginson.com</a>
   * @version 2.0
   * @see org.xml.sax.Parser#setDocumentHandler
   * @see org.xml.sax.Locator
   * @see org.xml.sax.HandlerBase
   */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/AttributeList.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Factory for creating an XML reader.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.</em>
 * </blockquote>
 *
 * This class contains static methods for creating an XML reader from an explicit class name, or based on runtime defaults:
 *
 * <pre>
 * try {
 * XMLReader myReader = XMLReaderFactory.createXMLReader();
 * } catch (SAXException e) {
 * System.err.println(e.getMessage());
 * }
 * </pre>
 *
 * Note to Distributions bundled with parsers:
 * You should modify the implementation of the no-arguments configuration mechanisms aren't set up. That method should do its best to return a parser when one is in the class path, even when nothing bound its class name to <code>org.xml.sax.driver</code> so those configuration mechanisms would see it.
 *
 * @since SAX 2.0
 * @author David Megginson, David Brownell
 * @version 2.0r2pre3
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLReaderFactory.java

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// This class is in the Public Domain. NO WARRANTY!
/**
 * Encapsulate Namespace logic for use by SAX drivers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
This class encapsulates the logic of Namespace processing:
* it tracks the declarations currently in force for each context
* and automatically processes qualified XML 1.0 names into their
* Namespace parts; it can also be used in reverse for generating
* XML 1.0 from Namespaces.</p>
* 
* Namespace support objects are reusable, but the reset method
* must be invoked between each session.</p>
* 
* Here is a simple session:</p>
* 
<pre>
String parts[] = new String[3];
NamespaceSupport support = new NamespaceSupport();

support.pushContext();
support.declarePrefix("", "http://www.w3.org/1999/xhtml");
support.declarePrefix("dc", "http://www.purl.org/dc#");

String parts[] = support.processName("p", parts, false);
System.out.println("Namespace URI: " + parts[0]);
System.out.println("Local name: " + parts[1]);
System.out.println("Raw name: " + parts[2]);

String parts[] = support.processName("dc:title", parts, false);
System.out.println("Namespace URI: " + parts[0]);
System.out.println("Local name: " + parts[1]);
System.out.println("Raw name: " + parts[2]);

support.popContext();
</pre>

Note that this class is optimized for the use case where most
* elements do not contain Namespace declarations: if the same
* prefix/URI mapping is repeated for each context (for example), this
* class will be somewhat less efficient.</p>
* 
* @since SAX 2.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
*/

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/**
 * Default base class for SAX2 event handlers.
 *
 * <blockquote>
 * This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. </blockquote>
 *
 * This class is available as a convenience base class for SAX2 applications: it provides default implementations for all of the callbacks in the four core SAX2 handler classes:</p>
 *
 * Application writers can extend this class when they need to implement only part of an interface; parser writers can instantiate this class to provide default handlers when the application has not supplied its own.</p>
 *
 * This class replaces the deprecated SAX1 [link org.xml.sax.HandlerBase HandlerBase] class.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *    [mailto:sax@megginson.com]sax@megginson.com
 * @version 2.0
 * @see org.xml.sax.EntityResolver
 * @see org.xml.sax.DTDHandler
 * @see org.xml.sax.ContentHandler
 * @see org.xml.sax.ErrorHandler
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/DefaultHandler.java
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/**
 * Encapsulate an XML parse error or warning.
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This exception will include information for locating the error in the original XML document. Note that although the application will receive a SAXParseException as the argument to the handlers in the [org.xml.sax.ErrorHandler ErrorHandler] interface, the application is not actually required to throw the exception; instead, it can simply read the information in it and take a different action.

Since this exception is a subclass of [SAXException], it inherits the ability to wrap another exception.

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.SAXException
@see org.xml.sax.Locator
@see org.xml.sax.ErrorHandler

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jar/org/w3c/dom/NamedNodeMap.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Text.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/Event.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Notation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/EventTarget.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/EventException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/traversal/TreeWalker.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/MutationEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Comment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/EntityReference.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/DocumentFragment.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/CDATASection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Node.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/NodeList.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/DocumentType.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/DOMImplementation.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/events/EventListener.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/traversal/NodeIterator.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Entity.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/DOMException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/Element.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/ranges/Range.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/traversal/NodeFilter.java
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/**
 * Basic interface for resolving entities.
 * *
 * <blockquote>
If a SAX application needs to implement customized handling for external entities, it must implement this interface and register an instance with the SAX driver using the setEntityResolver method. The XML reader will then allow the application to intercept any external entities (including the external DTD subset and external parameter entities, if any) before including them.

Many SAX applications will not need to implement this interface, but it will be especially useful for applications that build XML documents from databases or other specialised input sources, or for applications that use URI types other than URLs.

The following resolver would provide the application with a special character stream for the entity with the system identifier "http://www.myhost.com/today":

```java
import org.xml.sax.EntityResolver;
import org.xml.sax.InputSource;

public class MyResolver implements EntityResolver {
    public InputSource resolveEntity (String publicId, String systemId)
    {
        if (systemId.equals("http://www.myhost.com/today")) {
            // return a special input source
            MyReader reader = new MyReader();
            return new InputSource(reader);
        } else {
            // use the default behaviour
            return null;
        }
    }
}
```

The application can also use this interface to redirect system identifiers to local URIs or to look up replacements in a catalog (possibly by using the public identifier).
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setEntityResolver
* @see org.xml.sax.InputSource
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/EntityResolver.java
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Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLParagraphElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBodyElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableRowElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLSelectElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLMenuElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTableCellElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLHeadElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLULListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFrameSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLStyleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLHRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFieldSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLegendElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLFormElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLCollection.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTextAreaElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLLinkElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/w3c/dom/html/HTMLTableColElement.java
No license file was found, but licenses were detected in source scan.
/**
 * Provide an optional convenience implementation of Locator.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is available mainly for application writers, who
 * can use it to make a persistent snapshot of a locator at any
 * point during a document parse:
 *
 * <pre>
 * Locator locator;
 * Locator startloc;
 *
 * public void setLocator (Locator locator)
 * {  
 *     // note the locator
 *     this.locator = locator;
 * }
 *
 * public void startDocument ()
 * {  
 *     // save the location of the start of the document
 *     // for future use.
 *     Locator startloc = new LocatorImpl(locator);
 * }
 *</pre>
*
 *
* Normally, parser writers will not use this class, since it
* is more efficient to provide location information only when
* requested, rather than constantly updating a Locator object.
*
* @since SAX 1.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Locator Locator
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/LocatorImpl.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Interface for reading an XML document using callbacks.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.<p />
 * </blockquote>
 *
 * <p><strong>Note:</strong> despite its name, this interface does
 * not extend the standard Java [ @link java.io.Reader Reader]
 * interface, because reading XML is a fundamentally different activity
 * than reading character data.</p>
 *
 * XMLReader is the interface that an XML parser's SAX2 driver must
 * implement. This interface allows an application to set and
 * query features and properties in the parser, to register
 * event handlers for document processing, and to initiate
 * a document parse.</p>
 *
 * All SAX interfaces are assumed to be synchronous: the
 * [ @link #parse parse] methods must not return until parsing
 * is complete, and readers must wait for an event-handler callback
 * to return before reporting the next event.</p>
 *
 * This interface replaces the (now deprecated) SAX 1.0 [ @link
 * org.xml.sax.Parser Parser] interface. The XMLReader interface
* contains two important enhancements over the old Parser
* interface:

* <ol>
  * it adds a standard way to query and set features and
  * properties; and</li>
* <li>it adds Namespace support, which is required for many
  * higher-level XML standards.</li>
* </ol>

* There are adapters available to convert a SAX1 Parser to
* a SAX2 XMLReader and vice-versa.

* @since SAX 2.0
* @author David Megginson,
  * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.XMLFilter
* @see org.xml.sax.helpers.ParserAdapter
* @see org.xml.sax.helpers.XMLReaderAdapter
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLReader.java
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/**
* A single input source for an XML entity.
*
* <blockquote>
  * <em>This module, both source code and documentation, is in the
  * Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
* </blockquote>

* This class allows a SAX application to encapsulate information
* about an input source in a single object, which may include
* a public identifier, a system identifier, a byte stream (possibly
* with a specified encoding), and/or a character stream.</p>

* There are two places that the application will deliver this
* input source to the parser: as the argument to the Parser.parse
* method, or as the return value of the EntityResolver.resolveEntity
* method.</p>

* The SAX parser will use the InputSource object to determine how
* to read XML input. If there is a character stream available, the
* parser will read that stream directly; if not, the parser will use
* a byte stream, if available; if neither a character stream nor a
* byte stream is available, the parser will attempt to open a URI
* connection to the resource identified by the system
* identifier.</p>
*<p>
* &lt;p&gt;An InputSource object belongs to the application: the SAX parser
* shall never modify it in any way (it may modify a copy if
* necessary).</p>
*<p>
* @since SAX 1.0
* @author David Megginson,
* &lt;a href="mailto:sax@megginson.com">sax@megginson.com</a&gt;
* @version 2.0
* @see org.xml.sax.Parser#parse
* @see org.xml.sax.EntityResolver#resolveEntity
* @see java.io.InputStream
* @see java.io.Reader
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/InputSource.java
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// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 *
 * &lt;em&gt;This module, both source code and documentation, is in the
 * Public Domain, and comes with &lt;strong&gt;NO WARRANTY &lt;/strong&gt;.&lt;/em&gt;
 * &lt;/blockquote&gt;
 *
 * &lt;p&gt;An XMLReader will throw this exception when it recognizes a
 * feature or property identifier, but cannot perform the requested
 * operation (setting a state or value). Other SAX2 applications and
 * extensions may use this class for similar purposes.&lt;/p&gt;
 *
 * @since SAX 2.0
 * @author David Megginson,
 * &lt;a href="mailto:sax@megginson.com">sax@megginson.com</a&gt;
 * @version 2.0
 * @see org.xml.sax.SAXNotSupportedException
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXNotSupportedException.java
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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/traversal/package.html
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/w3c/dom/ranges/package.html
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// NO WARRANTY! This class is in the public domain.
/**
* Adapt a SAX1 Parser as a SAX2 XMLReader.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong></em>
* </blockquote>
* *
* <p>This class wraps a SAX1 { @link org.xml.sax.Parser Parser} and makes it act as a SAX2 { @link org.xml.sax.XMLReader XMLReader}, with feature, property, and Namespace support. Note that it is not possible to report { @link org.xml.sax.ContentHandler#skippedEntity skippedEntity} events, since SAX1 does not make that information available.</p>
* *
* <p>This adapter does not test for duplicate Namespace-qualified
* attribute names.</p>
* 
* @since SAX 2.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.helpers.XMLReaderAdapter
* @see org.xml.sax.XMLReader
* @see org.xml.sax.Parser
*/
/**
 * Adapt a SAX1 AttributeList as a SAX2 Attributes object.
 * 
 * <p>This class is in the Public Domain, and comes with NO
 * WARRANTY of any kind.</p>
 * 
 * <p>This wrapper class is used only when Namespace support
 * is disabled -- it provides pretty much a direct mapping
 * from SAX1 to SAX2, except that names and types are
 * interned whenever requested.</p>
 */

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// NO WARRANTY! This class is in the public domain.
/**
 * Default implementation of the Attributes interface.
 * 
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * This class provides a default implementation of the SAX2
 * [@link org.xml.sax.Attributes Attributes] interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
 *
 * There are two typical uses of this class:</p>
 * 
 * <ol>
 * <li>to take a persistent snapshot of an Attributes object
 * in a [@link org.xml.sax.ContentHandler#startElement startElement] event; or</li>

to construct or modify an Attributes object in a SAX2 driver or filter.

This class replaces the now-deprecated SAX1 AttributeListImpl class; in addition to supporting the updated Attributes interface rather than the deprecated AttributeList interface, it also includes a much more efficient implementation using a single array rather than a set of Vectors.

@since SAX 2.0
@author David Megginson
@version 2.0.1 (sax2r2)

// NO WARRANTY! This class is in the Public Domain.
/**
 * Create a new instance of a class by name.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.</em>
 *
 * This class contains a static method for creating an instance of a class from an explicit class name. It tries to use the thread's context ClassLoader if possible and falls back to using Class.forName(String). It also takes into account JDK 1.2+'s AccessController mechanism for performing its actions. </p>

* <p>This code is designed to run on JDK version 1.1 and later and compile on versions of Java 2 and later.</p>

* @author Edwin Goei, David Brownell, Neil Graham
* @version $Id: NewInstance.java,v 1.2 2002/08/26 23:55:45 neilg Exp $
*/

// NO WARRANTY! This class is in the Public Domain.
/**
 * Create a new instance of a class by name.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.</em>
 *
 * This class contains a static method for creating an instance of a class from an explicit class name. It tries to use the thread's context ClassLoader if possible and falls back to using Class.forName(String). It also takes into account JDK 1.2+'s AccessController mechanism for performing its actions. </p>

* <p>This code is designed to run on JDK version 1.1 and later and compile on versions of Java 2 and later.</p>

* @author Edwin Goei, David Brownell, Neil Graham
* @version $Id: NewInstance.java,v 1.2 2002/08/26 23:55:45 neilg Exp $
*/
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/**
 * Encapsulate a general SAX error or warning.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class can contain basic error or warning information from
 * either the XML parser or the application: a parser writer or
 * application writer can subclass it to provide additional
 * functionality. SAX handlers may throw this exception or
 * any exception subclassed from it.</p>
 *
 * If the application needs to pass through other types of
 * exceptions, it must wrap those exceptions in a SAXException
 * or an exception derived from a SAXException.</p>
 *
 * If the parser or application needs to include information about a
 * specific location in an XML document, it should use the
 * [SAXParseException subclass](org.xml.sax.SAXParseException).
 *
 * @since SAX 1.0
 * @author David Megginson, sax@megginson.com
 * @version 2.0
 * @see org.xml.sax.SAXParseException
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXException.java

// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unrecognized identifier.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * An XMLReader will throw this exception when it finds an
 * unrecognized feature or property identifier; SAX applications and
 * extensions may use this class for other, similar purposes.</p>
 *
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* @since SAX 2.0
* @author David Megginson,
*   <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXNotSupported Exception
*/

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*/

/**
* Create a new <code>DOMBuilder</code>. The newly constructed parser may
* then be configured by means of its <code>setFeature</code> method,
* and used to parse documents by means of its <code>parse</code>
* method.
* @param mode  The <code>mode</code> argument is either
*   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
*   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
*   <code>DOMBuilder</code> that is created will operate in synchronous
*   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
*   <code>DOMBuilder</code> that is created will operate in
*   asynchronous mode.
* @param schemaType  An absolute URI representing the type of the schema
*   language used during the load of a <code>Document</code> using the
*   newly created <code>DOMBuilder</code>. Note that no lexical
* checking is done on the absolute URI. In order to create a
* <code>DOMBuilder</code> for any kind of schema types (i.e. the
* DOMBuilder will be free to use any schema found), use the value
* <code>null</code>. For W3C XML Schema, applications must use the
* value <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD
* , applications must use the value
* <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
* are outside the scope of the W3C and therefore should recommend an
* absolute URI in order to use this method.
* @return The newly created <code>DOMBuilder</code> object. This
* <code>DOMBuilder</code> is either synchronous or asynchronous
* depending on the value of the <code>mode</code> argument. By
* default, the newly created <code>DOMBuilder</code> does not contain
* a <code>DOMErrorHandler</code>; i.e. the value of the
* <code>errorHandler</code> is <code>null</code>. However, implementations may provide a default error handler at creation
* time. In that case, the initial value of the
* <code>errorHandler</code> attribute on the new created
* <code>DOMBuilder</code> contains a reference to the default error
* handler.
* @exception DOMException
* NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
* not supported.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
* jar/org/w3c/dom/ls/DOMImplementationLS.java
* No license file was found, but licenses were detected in source scan.

/**
* Basic interface for SAX (Simple API for XML) parsers.
* *
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* <p>This was the main event supplier interface for SAX1; it has
* been replaced in SAX2 by {link org.xml.sax.XMLReader XMLReader},
* which includes Namespace support and sophisticated configurability
* and extensibility.</p>
* *
* <p>All SAX1 parsers must implement this basic interface: it allows
* applications to register handlers for different types of events
* and to initiate a parse from a URI, or a character stream.</p>
* *
* <p>All SAX1 parsers must also implement a zero-argument constructor

* (though other constructors are also allowed).</p>
* <p>SAX1 parsers are reusable but not re-entrant: the application
* may reuse a parser object (possibly with a different input source)
* once the first parse has completed successfully, but it may not
* invoke the parse() methods recursively within a parse.</p>
* <p>@deprecated This interface has been replaced by the SAX2
*    { @link org.xml.sax.XMLReader XMLReader }
*    interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*    <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.DocumentHandler
* @see org.xml.sax.ErrorHandler
* @see org.xml.sax.HandlerBase
* @see org.xml.sax.InputSource
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Parser.java
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// Public Domain: no warranty.
/**
* SAX2 extension handler for DTD declaration events.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
* <p>This is an optional extension handler for SAX2 to provide
* information about DTD declarations in an XML document. XML
* readers are not required to support this handler, and this
* handler is not included in the core SAX2 distribution.</p>
* <p>Note that data-related DTD declarations (unparsed entities and
* notations) are already reported through the { @link
* org.xml.sax.DTDHandler DTDHandler } interface.</p>
* <p>If you are using the declaration handler together with a lexical
* handler, all of the events will occur between the
* { @link org.xml.sax.ext.LexicalHandler#startDTD startDTD startDTD } and the
* { @link org.xml.sax.ext.LexicalHandler#endDTD endDTD } events.</p>
To set the DeclHandler for an XML reader, use the
{@link org.xml.sax.XMLReader#setProperty setProperty} method
with the propertyId "http://xml.org/sax/properties/declaration-handler".
If the reader does not support declaration events, it will throw a
{@link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException}
or a
{@link org.xml.sax.SAXNotSupportedException SAXNotSupportedException}
when you attempt to register the handler.</p>
*  
* @since 1.0  
* @author David Megginson,  
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>  
* @version 1.0  
* @see org.xml.sax.XMLReader  
*/

/**
 * Java-specific class for dynamically loading SAX parsers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p><strong>Note:</strong> This class is designed to work with the now-deprecated
 * SAX1 {@link org.xml.sax.Parser Parser} class. SAX2 applications should use
 * {@link org.xml.sax.helpers.XMLReaderFactory XMLReaderFactory} instead.</p>
 *
 * ParserFactory is not part of the platform-independent definition
 * of SAX; it is an additional convenience class designed
 * specifically for Java XML application writers. SAX applications
 * can use the static methods in this class to allocate a SAX parser
 * dynamically at run-time based either on the value of the
 * `org.xml.sax.parser' system property or on a string containing the class
 * name.</p>
 *
 * Note that the application still requires an XML parser that
 * implements SAX1.</p>
 *
 * @deprecated This class works with the deprecated
 * {@link org.xml.sax.Parser Parser}
interface.
* @since SAX 1.0
* @author David Megginson
* @version 2.0r2pre3
*/

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/ParserFactory.java
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/**
 * Adapt a SAX2 XMLReader as a SAX1 Parser.
 *
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 *
 * This class wraps a SAX2 [XMLReader] and makes it act as a SAX1 [Parser].
 * The XMLReader must support a true value for the
 * http://xml.org/sax/features/namespace-prefixes property or parsing will fail
 * with a [SAXException]; if the XMLReader supports a false value for the
 * http://xml.org/sax/features/namespace-prefixes property, that will also be used to improve efficiency.
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Parser
 * @see org.xml.sax.XMLReader
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLReaderAdapter.java

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 * Receive notification of the logical content of a document.
 *
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 *
 * This is the main interface that most SAX applications
 * implement: if the application needs to be informed of basic parsing
 * events, it implements this interface and registers an instance with
 * the SAX parser using the {@link org.xml.sax.XMLReader#setContentHandler
 * setContentHandler} method. The parser uses the instance to report
 * basic document-related events like the start and end of elements
 * and character data.
 *
 * The order of events in this interface is very important, and
 * mirrors the order of information in the document itself. For
 * example, all of an element's content (character data, processing
 * instructions, and/or subelements) will appear, in order, between
 * the startElement event and the corresponding endElement event.
 *
 * This interface is similar to the now-deprecated SAX 1.0
 * DocumentHandler interface, but it adds support for Namespaces
 * and for reporting skipped entities (in non-validating XML
 * processors).
 *
 * Implementors should note that there is also a Java class
 * [@link java.net.ContentHandler ContentHandler] in the java.net
 * package; that means that it's probably a bad idea to do
 *
 * In fact, "import ...*" is usually a sign of sloppy programming
 * anyway, so the user should consider this a feature rather than a
 * bug.
 */
SAX2 extension handler for lexical events.

This is an optional extension handler for SAX2 to provide lexical information about an XML document, such as comments and CDATA section boundaries; XML readers are not required to support this handler, and it is not part of the core SAX2 distribution.

The events in the lexical handler apply to the entire document, not just to the document element, and all lexical handler events must appear between the content handler's startDocument and endDocument events.

To set the LexicalHandler for an XML reader, use the method with the propertyId "http://xml.org/sax/properties/lexical-handler". If the reader does not support lexical events, it will throw a SAXNotRecognizedException or a SAXNotSupportedException when you attempt to register the handler.
1.1569 jersey 1.15
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Version 1.1

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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from a designated place, then offering equivalent access to copy the
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distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.1583 jackson-databind 2.11.2

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

## Licensing

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## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

1.1584 ehcache 1.2.3

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/**
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Found in path(s):
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/distribution/JNDIManualRMICacheManagerPeerProvider.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/bootstrap/BootstrapCacheLoader.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/distribution/RMICacheManagerPeerProviderFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/distribution/MulticastKeepaliveHeartbeatSender.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/hibernate/EhCache.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/con structs/blocking/UpdatingSelfPopulatingCache.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/config/FactoryConfiguration.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/bootstrap/BootstrapCacheLoaderFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/distribution/CachePeer.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/con structs/web/filter/SimplePageFragmentCachingFilter.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/distribution/JNDIRMICacheManagerPeerListener.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/event/RegisteredEventListener.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/con structs/web/filter/Filter.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/con structs/blocking/CacheEntryFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/store/Store.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/config/ConfigurationFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/store/LruMemoryStore.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
  jar/src/net/sf/ehcache/con structs/asynchronous/CommandNotFoundInCacheException.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
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* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-
jar/src/net/sf/ehcache/event/CacheEventListener.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/distribution/CacheReplicator.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/web/filter/FilterNonReentrantException.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/config/Configuration.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/distribution/ConfigurableRMIClientSocketFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/distribution/SimplePageCachingFilter.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/web/filter/FilterServletOutputStream.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/web/filter/EventMessage.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/jndi/JNDIManualRMICacheManagerPeerProviderFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/blocking/UpdatingCacheEntryFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/config/CacheConfiguration.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/web/SerializableCookie.java
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* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/distribution/RemoteCacheException.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/web/PageInfo.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/asynchronous/Command.java
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* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/concurrent/ConcurrencyUtil.java
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* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/distribution/RMICacheManagerPeerListenerFactory.java
* /opt/cola/permits/1136471088_1613772164.9/0/ehcache-1-2-3-sources-1-jar/src/net/sf/ehcache/constructs/concurrent/ConcurrencyUtil.java
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1.1585 xz 5.2.2 1.el7

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1.1587 zlib 1.2.11

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.1595 jackson 2.10.1
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Found in path(s):
* /opt/cola/permits/1114168045_1607449112.02/0/netty-handler-4-0-25-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
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ar/io/netty/handler/ssl/SslContext.java
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* /opt/cola/permits/1114168045_1607449112.02/0/netty-handler-4-0-25-final-sources-1-
ar/io/netty/handler/timeout/package-info.java
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ar/io/netty/handler/timeout/WriteTimeoutHandler.java
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* /opt/cola/permits/1114168045_1607449112.02/0/netty-handler-4-0-25-final-sources-1-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java

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Manifest-Version: 1.0

Built-By: trustin
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Handler
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_55
Bundle-Version: 4.0.25.Final
Bnd-LastModified: 1420029581898
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.handler
Bundle-DocURL: http://netty.io/
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SourceFilePermissions.java./z{;()*)+)|}{@;F}java/util/HashSetjava/util/StringTokenizer,.;java/lang/StringBufferPermission:  (",","")N;1org/apache/tools/ant/types/Permissions$Permissionjava/lang/Objectjava/lang/Stringtrimlength()IgetClass()Ljava/lang/Object;ZendsWith(Ljava/lang/String;)Ljava/security/Permission substring(II)Ljava/lang/String;

startsWith
java/util/SetremoveAll(Ljava/util/Collection;)Z'(Ljava/lang/String;Ljava/lang/String;)V	nextTokenadd
hasMoreTokens()Zappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;,(Ljava/lang/Object;)Ljava/lang/StringBuffer

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1.1614 tomcat 7.0.100

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README for release 6b of 27-Mar-1998

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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
RELATED SOFTWARE    Other stuff you should get.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc       How to configure and install the IJG software.
usage.doc         Usage instructions for cjpeg, djpeg, jpegtran,
                   rdjpgcom, and wrjpgcom.
*.1               Unix-style man pages for programs (same info as usage.doc).
wizard.doc        Advanced usage instructions for JPEG wizards only.
change.log        Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc       How to use the JPEG library in your own programs.
example.c         Sample code for calling the JPEG library.
structure.doc     Overview of the JPEG library's internal structure.
filelist.doc      Road map of IJG files.
coderules.doc     Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
 can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
=========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images
are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you
have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The same holds for its supporting scripts (config.guess, config.sub,
ltconfig, ltmain.sh). Another support script, install-sh, is copyright
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It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce
"uncompressed GIFs". This technique does not use the LZW algorithm; the
resulting GIF files are larger than usual, but are readable by all standard
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REFERENCES
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We highly recommend reading one or more of these references before trying to
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is
Wallace, Gregory K. "The JPEG Still Picture Compression Standard",
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30–44.
(Adjacent articles in that issue discuss MPEG motion picture compression,
applications of JPEG, and related topics.) If you don’t have the CACM issue
handy, a PostScript file containing a revised version of Wallace's article is
available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually
a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections
and some added material. Note: the Wallace article is copyright ACM and IEEE,
and it may not be used for commercial purposes.
A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
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A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
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RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
===============

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we
have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, “poor man's variable quantization”, and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.1618 linux-kernel 3.16.38

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.
```
The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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+ many more (please mail me if you are missing in this list and would like to be mentioned)

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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END OF TERMS AND CONDITIONS

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<signature of Ty Coon>, 1 April 1990
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exercise the right to control the distribution of derivative or collective works based on the Program.

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   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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#endif
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)

Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

Linux driver for the IDT77201 NICStar PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
see init_nicstar() for PHY initialization to change this. This driver expects the Linux ATM stack to support scatter-gather lists
(skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

Implementing minimal-copy of received data:
IDT always receives data into a small buffer, then large buffers as needed. This means that data must always be copied to create the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer combined, allow nicstar_free_rx_skb to be called to recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation details.

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M. Welsh, 6 July 1996
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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
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for many bugfixes

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Kenneth Aafly <ke-aa@frisurf.no>
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for tuning/DiSEqC support for the DEC 3000-s

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for the IR code for the ttusb-dec driver

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
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In a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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* Foremost, OpenSSH from which this project is derived.
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/*OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp */

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*/

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

Open Source Used In Virtualized Voice Browser 12.6(1) 16946
typedef unsigned int nfds_t;

#define POLLRIP0x0001
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLRNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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 */
/*
#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w)((int*)&(w))/* convert union wait to int */
#define WIFEXITED(w)(!(_W_INT(w)) & 0377))
#define WIFSTOPPED(w)((_W_INT(w)) & 0100)
#define WIFSIGNALED(w)(WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w)(int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w)(int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
*/

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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED
/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377))
#define WIFSTOPPED(w)((_W_INT(w)) & 0100)
#define WIFSIGNALED(w)(WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) ((int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) ((int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#define_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLHUP0x0010
#define POLLNVAL0x0020
#define POLLRDNORM0x0040
#define POLLRDNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLWRBAND0x0080
#define POLLRDBAND0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

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#ifndef HAVE_SETRES_gid
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRES_uid
int setresuid(uid_t, uid_t, uid_t);
#endif
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*/
diff -up openssh-7.4p1/sftp-server.8.sftp-force-mode openssh-7.4p1/sftp-server.8
--- openssh-7.4p1/sftp-server.8.sftp-force-mode 2016-12-19 05:59:41.000000000 +0100
+++ openssh-7.4p1/sftp-server.82017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
 @@ -38,6 +39,10 @@ Sets an explicit
 .Xr umask 2
to be applied to newly-created files and directories, instead of the
eraser's default mask.

Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.

On some systems,

diff -up openssh-7.4p1/sftp-server.c.sftp-force-mode openssh-7.4p1/sftp-server.c
--- openssh-7.4p1/sftp-server.c.sftp-force-mode2017-02-09 10:22:36.498019921 +0100
+++ openssh-7.4p1/sftp-server.c2017-02-09 10:35:07.190520959 +0100
@@ -65,6 +65,10 @@ struct sshbuf *queue;

/* Version of client */
static u_int version;

+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
+/* SSH2_FXP_INIT received */
static int init_done;

@@ -679,6 +683,10 @@ process_open(u_int32_t id)
    Attrab a;
    char *name;
    int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+    mode_t old_umask = 0;

    if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
        (r = sshbuf_get_u32(iqueue, &pflags)) != 0 || /* portable flags */
@@ -688,6 +693,10 @@ process_open(u_int32_t id)
      debug3("request %u: open flags %s", id, pflags);
      flags = flags_from_portable(pflags);
      mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+    if (permforce == 1) {   /* Force perm if -m is set */
+        mode = permforcemode;
+        old_umask = umask(0); /* so umask does not interfere */
+    }
    logit("open "%s" flags %s mode 0%o",
         name, string_from_portable(pflags), mode);
    if (readonly &&
@@ -709,6 +718,8 @@ process_open(u_int32_t id)
    }
    }
+    if (permforce == 1)
+        (void) umask(old_umask); /* restore umask to something sane */
if (status != SSH2_FX_OK)
    send_status(id, status);
free(name);
@@ -1490,7 +1501,7 @@ sftp_server_usage(void)
    fprintf(stderr,
        "usage: %s [-ehR] [-d start_directory] [-f log_facility] \
        "[-l log_level] [n|-P blacklisted_requests] \
-        "[-p whitelisted_requests] [-u umask]\n" +    "[-p whitelisted_requests] [-u umask] [-m force_file_perms]\n" +    "%s -Q protocol_feature\n", 
    __progname, __progname);
exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopy(user_pw);

while (!skipargs && (ch = getopt(argc, argv,
    "df:l:F:p:q:u:cehR") != -1) {
+    "df:l:F:p:q:u:m:cehR") != -1) {
switch (ch) {
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
            fatal("Invalid umask \"%s\"", optarg);
        (void)umask((mode_t)mask);
        break;
+    case 'm':
+        /* Force permissions on file received via sftp */
+        permforce = 1;
+        permforcemode = strtol(optarg, &cp, 8);
+        if (permforcemode < 0 || permforcemode > 077777 \
+            || *cp != '0' || (permforcemode == 0 && \
+            errno != 0))
+            fatal("Invalid file mode \"%s\"", optarg);
+        break;
        case 'h':
    default:
        sftp_server_usage();

1.1628 jersey-client 2.10.1
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1.1630 management-api 3.0.0-b012

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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/stream/ChunkedOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/stream/ChunkedOutputStream1.java
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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java

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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/PemReader.java
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1.1641 jersey-client 2.10.1

1.1642 woodstox-core-asl 4.4.1
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3.jar/com/ctc/wstx/util/BaseNsContext.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3.jar/com/ctc/wstx/dtd/PrefixedNameSet.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3.jar/com/ctc/wstx/evt/BaseStartElement.java
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  jar/com/ctc/wstx/dtd/DFAValidator.java
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  jar/com/ctc/wstx/dtd/StructValidator.java
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  jar/com/ctc/wstx/sw/SimpleOutputElement.java
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  jar/com/ctc/wstx/sax/WrappedSaxException.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/msv/GenericMsvValidator.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/msv/W3CSchema.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/WstxInputFactory.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/WstxOutputFactory.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/ValidatingStreamReader.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/ValidatingStreamWriter.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/WstxInputFactory.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/stax/WstxOutputFactory.java

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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
  jar/com/ctc/wstx/sw/BaseNsStreamWriter.java

1.1643 metrics 3.2.5
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/FilteredSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ImmutableEnumMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingNavigableMap.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/CompactHashMap.java
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jar/com/google/common/collection/TreeTraverser.java

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  jar/com/google/common/util/concurrent/ListeningFutureTask.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/primitives/Booleans.java
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  jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/primitives/Doubles.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/SequentialExecutor.java
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 * Holder for web specializations of methods of { @code Ints }. Intended to be empty for regular
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 */
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 */
/**
 * Holder for web specializations of methods of [@code Shorts]. Intended to be empty for regular
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Function.java
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jar/com/google/common/base/FinalizableReference.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/base/ConcurrentListenableFuture.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/base/Concurrent/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3.jar/com/google/common/eventbus/package-info.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/LineReader.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*<p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@link Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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  jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
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* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap class.
*/

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/SortedMultiset.java
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  jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/common/util/concurrent/InterruptibleTask.java
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  jar/com/google/common/common/util/concurrent/Platform.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/hash/LittleEndianByteArray.java

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/**
* Holder for web specializations of methods of { @code Doubles}. Intended to be empty for regular
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ComputationException.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableAsList.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/RegularImmutableList.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/RegularImmutableSortedSet.java

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jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/JdkBackedImmutableSet.java
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jar/com/google/common/util/concurrent/AtomicLongMap.java
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  jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/RegularImmutableSortedMultiset.java
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  jar/com/google/common/collection/ImmutableSortedMultiset.java
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  jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/Count.java
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  jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
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  jar/com/google/common/io/MoreFiles.java
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  jar/com/google/common/collection/MultimapBuilder.java

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  jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/FilteredMultimapValues.java
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  jar/com/google/common/base/SmallCharMatcher.java
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/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collection/ObjectArrays.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/SortedMapDifference.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ForwardingListMultimap.java

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  jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/StandardNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/CollectCollectors.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractValueGraph.java
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jar/com/google/common/math/Stats.java
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jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable} key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy version.

@throws UnsupportedOperationException always
@deprecated <b>Pass a key of type {@code Comparable} to use {@link ImmutableSortedMap#of(Comparable, Object)}.</b>

This method was rewritten in Java from an intermediate step of the Murmur hash function in
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  jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/math/package-info.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/Weigher.java
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jar/com/google/common/base/OptionalLongInternal.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/AbstractCache.StoredEntry.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/AbstractCache.RenewedImageImplImpl.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/AbstractCache.RenewedImageImplImplImpl.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
jar/com/google/common/cache/AbstractCache.RenewedImageImplImplImplImpl.java
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/cache/Cache.java

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jar/com/google/common/collection/RegularImmutableSet.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/CollectionFuture.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/escape/CharEscaperBuilder.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/AbstractBaseGraph.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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  jar/com/google/common/base/Platform.java
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  jar/com/google/common/collect/ImmutableSortedAsList.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/io/LineProcessor.java
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  jar/com/google/common/util/concurrent/ServiceManagerBridge.java

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* /opt/cola/permits/1136687857_1613859467.34/0/javax-inject-2-3-0-b10-sources-4-jar/javax/inject/Scope.java
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/* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/ASMUtil.java
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Before building Xerces, you need the source package and tools package available from the Apache XML Project's distribution web page:

http://xml.apache.org/dist/xerces-j/

Download both the Xerces-J-src.X.Y.Z.zip and Xerces-J-tools.X.Y.Z.zip files for the appropriate Xerces release (where "X.Y.Z" is the version number) and extract them in the same directory. If you are using Unix, download the equivalent .tar.gz files instead of the .zip files.

You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA_HOME environment variable to the installation directory of your JDK.
The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

    build.bat jars

or from Unix (make sure that build.sh is executable):

    build.sh jars

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

If you want to build everything, including the documentation, run the build batch file (or shell script) specifying the "all" target instead of "jars".

1.1662 c-ares 1.7.5

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 */

From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. 
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.1669 libice 1.0.9-9.el7
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Author: Ralph Mor, X Consortium

1.1670 jetty-servlet 8.1.10.v20130312

1.1671 libusb 1.0.20-1.el7

1.1671.1 Available under license:

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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1.1673 libx11 1.6.5 1.el7

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is
needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles
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* Basic encoding and decoding of Macintosh files to the MacBinary III spec.
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The remaining copyright notes have been superseeded by the new Info-ZIP license, with explicit permission from the respective original authors. They are cited here for historical reasons, only:

The following copyright applies to the full-featured unreduce.c (now distributed separately):

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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The following copyright applied to most of the VMS code in vms.c, distributed with UnZip version 4.2 and later:

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  * are made.) Corporate legal staff (like at IBM :-) ) who have
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-----

The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/Count.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/collect/AbstractRangeSet.java

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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
  jar/jersey/repackaged/com/google/common/collection/Cut.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collection/ForwardingNavigableSet.java
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jar/jersey/repackaged/com/google/common/collect/ForwardingImmutableSet.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/ByteSink.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/io/WriteMode.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/reflect/Invokable.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/SortedMultisetBridge.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/collect/ForwardingBlockingDeque.java

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jar/jersey/repackaged/com/google/common/collection/EnumMultiset.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-jar/jersey/repackaged/com/google/common/util/concurrent/AtomicDoubleArray.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
jar/jersey/repackaged/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
jar/jersey/repackaged/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
jar/jersey/repackaged/com/google/common/collect/Maps.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
jar/jersey/repackaged/com/google/common/eventbus/EventHandler.java
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jar/jersey/repackaged/com/google/common/collect/EmptyImmutableList.java
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jar/jersey/repackaged/com/google/common/collect/ByFunctionOrdering.java
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  jar/jersey/repackaged/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1-
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  jar/jersey/repackaged/com/google/common/collection/ContiguousSet.java
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  jar/jersey/repackaged/com/google/common/collection/ComputingConcurrentHashMap.java
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* /opt/cola/permits/1136687804_1613859262.95/0/jersey-guava-2-13-sources-1.jar/jersey/repackaged/com/google/common/util/concurrent/SimpleTimeLimiter.java

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* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2.jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2.jar/io/netty/handler/channel/group/package-info.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2.jar/io/netty/channel/nio/NioSocketChannel.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2.jar/io/netty/channel/nio/HttpStaticFileServerHandler.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2.jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
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*/

* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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  jar/io/netty/util/internal/logging/MessageFormatter.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4-0-23-final-sources-2-
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*/  

/**  
*
* Handles or intercepts a {@link ChannelInboundInvoker} or {@link ChannelOutboundInvoker} operation, and
* forwards it
* to the next handler in a {@link ChannelPipeline}.  
*  
* <h3>Sub-types</h3>  
*  
* {@link ChannelHandler} itself does not provide many methods. To handle a
* a {@link ChannelInboundInvoker} or {@link ChannelOutboundInvoker} operation
* you need to implement its sub-interfaces. There are many different sub-interfaces
* which handles inbound and outbound operations.  
*  
* But the most useful for developers may be:  
*  
* <ul>  
* <li>{@link ChannelInboundHandlerAdapter} handles and intercepts inbound operations</li>  
* <li>{@link ChannelOutboundHandlerAdapter} handles and intercepts outbound operations</li>  
* </ul>  
*  
* You will also find more detailed explanation from the documentation of
* each sub-interface on how an event is interpreted when it goes upstream and
* downstream respectively.  
*  
* <h3>The context object</h3>  
*  

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A `ChannelHandler` is provided with a `ChannelHandlerContext` object. A `ChannelHandler` is supposed to interact with the `ChannelPipeline` it belongs to via a context object. Using the context object, the `ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `AttributeKey`s) which is specific to the handler.

**State management**

A `ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private boolean loggedIn;

    @Override
    public void channelRead0(ChannelHandlerContext ctx, Message message) {
        Channel ch = e.getChannel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ch.write(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```
* Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        Channel ch = ctx.channel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ch.write(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channelRead(channel, Message message) {
            Attribute<Boolean> attr = channel.attr(auth);
            Channel ch = channel.channel();
            if (message instanceof LoginMessage) {
                authenticate((LoginMessage) o);
                attr.set(true);
            } else if (message instanceof GetDataMessage) {
                if (<b>Boolean.TRUE.equals(attr.get())</b>) {
                    ch.write(fetchSecret((GetDataMessage) o));
                } else {
                    fail();
                }
            }
        }
    }
}
```
channel.pipeline().addLast("handler", SHARED);

<h4>The `@Sharable` annotation</h4>

In the example above which used an `AttributeKey`,
you might have noticed the `@Sharable` annotation.

If a `ChannelHandler` is annotated with the `@Sharable`
annotation, it means you can create an instance of the handler just once and
add it to one or more `ChannelPipeline`s multiple times without
a race condition.

If this annotation is not specified, you have to create a new handler
instance every time you add it to a pipeline because it has unshared state
such as member variables.

This annotation is provided for documentation purpose, just like
the JCIP annotations.

Additional resources worth reading

Please refer to the `ChannelHandler`, and
`ChannelPipeline` to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

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jar/io/netty/handler/traffic/package-info.java
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jar/io/netty/handler/codec/sctp/package-info.java
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jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4.0.23-final-sources-2-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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/*
 * A decoder that splits the received [ @link ByteBuf]s dynamically by the
 * value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* [@link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* <p>
* <h3>2 bytes length field at offset 0, do not strip header<h3>
* <p>
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <p>
* * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* * +--------+----------------+------| +--------+----------------+------*
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |
* * +--------+----------------+------| +--------+----------------+------*
* </pre>
* <p>
* <h3>2 bytes length field at offset 0, strip header<h3>
* <p>
* Because we can get the length of the content by calling
* [@link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <p>
* * BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* * +--------+----------------+ | +----------------|
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" | | "HELLO, WORLD" |
* * +--------+----------------+ | +----------------|
* </pre>
*
2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message.

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by 2, we specify -2 as lengthAdjustment for compensation.

lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2 (= the length of the Length field)
initialBytesToStrip = 0

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
+--------+----------------+

3 bytes length field at the end of 5 bytes header, do not strip header

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

lengthFieldOffset = 2 (= the length of Header 1)
lengthFieldLength = 3
lengthAdjustment = 0
initialBytesToStrip = 0

BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
| 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
+----------+----------+----------------+

3 bytes length field at the beginning of 5 bytes header, do not strip header

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.
<table>
<thead>
<tr>
<th>BEFORE DECODE (17 bytes)</th>
<th>AFTER DECODE (17 bytes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
<tr>
<td></td>
<td>Length</td>
</tr>
<tr>
<td></td>
<td>0x00000C</td>
</tr>
<tr>
<td>+----------+----------+----------------+</td>
<td>+----------+----------+----------------+</td>
</tr>
</tbody>
</table>

* This is a combination of all the examples above. There are the prepended
  * header before the length field and the extra header after the length field.
* The prepended header affects the `lengthFieldOffset` and the extra
  * header affects the `lengthAdjustment`. We also specified a non-zero
  * `initialBytesToStrip` to strip the length field and the prepended
  * header from the frame. If you don't want to strip the prepended header, you
  * could specify `0` for `initialBytesToSkip`.

* This is a combination of all the examples above. There are the prepended
  * header before the length field and the extra header after the length field.
* The prepended header affects the `lengthFieldOffset` and the extra
  * header affects the `lengthAdjustment`. We also specified a non-zero
  * `initialBytesToStrip` to strip the length field and the prepended
  * header from the frame. If you don't want to strip the prepended header, you
  * could specify `0` for `initialBytesToSkip`.

* Let's give another twist to the previous example. The only difference from
  * the previous example is that the length field represents the length of the
  * whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into `lengthAdjustment`.
* Please note that we don't need to take the length of HDR2 into account
  * because the length field already includes the whole header length.
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
* 
* BEFORE DECODE (16 bytes)   AFTER DECODE (13 bytes)
* +-----------------+-------+-----------------+      +-----------------+-------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------+-------+-----------------+      +-----------------+-------+-----------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/cola/permits/1128912132_1612119294.85/0/netty-all-4.0.23-final-sources-2-
  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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jar/org/springframework/express/ConstructorExecutor.java
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jar/org/springframework/express/MethodFilter.java
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jar/org/springframework/express/PropertyAccessor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/spel/ast/TypeReference.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/spel/standard/LiteralExpression.java
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jar/org/springframework/express/spel/ast/Elvis.java
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jar/org/springframework/express/spel/standard/Token.java
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jar/org/springframework/express/MethodExecutor.java
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jar/org/springframework/express/spel/ast/VariableReference.java
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jar/org/springframework/express/spel/ast/Identifier.java
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jar/org/springframework/express/spel/ast/LongLiteral.java
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jar/org/springframework/express/spel/ast/RealLiteral.java
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jar/org/springframework/express/spel/ast/OperatorBetween.java
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jar/org/springframework/express/spel/ast/SpelNodeImpl.java
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jar/org/springframework/express/spel/ast/OperatorMatches.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/spel/InternalParseException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/express/OperatorOverloader.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/common/TemplateParserContext.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
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  jar/org/springframework/expression/spel/SpelParseException.java
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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/TypeConverter.java
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Name: badpalettefile
Columns: 4

#
0 0 0 Index 3
012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789
34567890123456789
103 62 49 Index 6
79 73 72 Index 7
114 101 97 Index 8
208 127 100 Index 9
151 144 142 Index 10
221 207 199 Index 11

GIMP Palette
Name: Test
Columns: 0

#
GIMP Palette
Name: badpaletteentry
1.1698 xfsdump 3.1.7 1.el7

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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
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jar/org/springframework/remoting/httpinvoker/AbstractHttpInvokerRequestExecutor.java

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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/http/converter/package-info.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/request/SessionScope.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/HttpRequestHandler.java
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1.1702 sed 4.2.2 5.el7
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    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
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clarify this fact.

* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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1.1708 spring-framework 4.3.14.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/asm/AnnotationWriter.java

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1.1717 streams 2.5.2

1.1718 simpleclient-common 0.5.0
1.1719 commons-validator 1.4.0

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1.1720 polkit 0.112 18.el7

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* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/annotations/src/Annotations.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/dependencies/src/org/objectweb/asm/depend/DependencyTracker.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/dependencies/src/org/objectweb/asm/depend/DependencyVisitor.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/analysis/src/Analysis.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/adapt/src/Adapt.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/jbfc/src/org/objectweb/asm/jbfc/BFCompilerTest.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/annotations/src/NotNull.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/adapt/src/ArraySet.java
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9.zip/asm-3.2/examples/helloworld/src/Helloworld.java
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* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9-zip/asm-3.2/examples/xml/copy.xsl
* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9-zip/asm-3.2/examples/xml/annotate.xsl
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* /opt/cola/permits/1000966398_1611295023.81/0/asm-3-2-9-zip/asm-3.2/doc/javadoc/user/org/objectweb/asm/xml/asm-xml.dtd
1.1725 assertj-core 2.4.1

1.1726 antlr-runtime 4.6

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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/NotNull.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/PlusBlockStartState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/ParseTreeProperty.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/Pair.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/ParseInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/ArrayPredictionContext.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/CommonTokenFactory.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/LookaheadEventInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/TokenStartState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathElement.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/xpath/XPath.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atin/ATNSerializer.java
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jar/org/antlr/v4/runtime/atn/WildcardTransition.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
jar/org/antlr/v4/runtime/ParserRuleContext.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
jar/org/antlr/v4/runtime/atn/BlockEndState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
jar/org/antlr/v4/runtime/atn/BlockEndState.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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jar/org/antlr/v4/runtime/CommonTokenStream.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/ObjectEqualityComparator.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/ANTLRErrorListener.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/Vocabulary.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/atn/LexerIndexedCustomAction.java
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in
a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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* java.sun.security.ssl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.
Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).
H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.1736 aspect-j 1.6.11

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  jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4.1.45-final-sources-1-
  jar/io/netty/buffer/PooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4.1.45-final-sources-1-
  jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4.1.45-final-sources-1-
  jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4.1.45-final-sources-1-
  jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
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  jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
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  jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068271477_1594339203.93/0/netty-buffer-4.1.45-final-sources-1-
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jettyschemas

Assorted

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1.1745 pciutils 3.5.1-3.el7

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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THE BASIC LIBRARY FUNCTIONS
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/* _setjmp in setjmp.S */
/* setjmp in setjmp.S */

From gsf@research.att.com Wed Mar  1 20:30:54 2006
Return-Path: <gsf@research.att.com>
X-Original-To: mps@bridge.intra
Delivered-To: mps@bridge.intra
Received: from localhost (localhost [127.0.0.1])
by localhost (Postfix) with ESMTP id B8C814E4F
for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)
Received: from mail.bridge.intra ([127.0.0.1])
by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024) with LMTP id 05987-03 for <mps@bridge.intra>;
Wed, 1 Mar 2006 20:30:42 +0100 (CET)
Received: from pop.gmx.net (localhost [127.0.0.1])
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X-Flags: 0000
Delivered-To: GMX delivery to ps.m@gmx.net
Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000
Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]
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for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)
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using # comment style to be complete

let me know how it works with your libc
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:
> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --
> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
1.1752 opensaml-java 2.6.5

1.1752.1 Available under license:

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1.1753 jax-rs-provider 1.9.2

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1.1760 jackson-dataformat-yaml 2.10.1

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file is unrestricted, regardless of whether it is legally a derivative
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distribute the object code for the work under the terms of Section 6.
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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include/GL/gl.h:

Mesa 3-D graphics library

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include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h:

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1.1774 perl 5.16.3-292.el7
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abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
bUILD@perl.org>.'
builtRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
use strict;
use lib './lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#--------------------------------------------------------------#
# Create test distribution
#--------------------------------------------------------------#

{
    my $dist = DistGen->new(
        name => 'Simple::Name',
        version => '0.01',
        license => 'perl',
    );

    $dist->regen;
    $dist->chdir_in;

    my $mb = $dist->new_from_context();
    isa_ok( $mb, "Module::Build" );
    is( $mb->license, 'perl', "license 'perl' is valid" );
my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
  "META license URL is correct" );

$

my $dist = DistGen->new(  
  name => 'Simple::Name',  
  version => '0.01',  
  license => 'VaporWare'  
);

$dist->regen;

my $mb = $dist->new_from_context();

isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
  "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
  "META license URL is correct" );

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2

1.1775 cronie 1.4.11 17.el7
1.1775.1 Available under license :

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 jar/org/springframework/expression/spel/SpelParseException.java
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* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/framework/adapter/ThrowsAdviceAdapter.java
* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/framework/support/JdkRegexpMethodPointcut.java
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* /opt/cola/permits/1136687557_1613859286.0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2.jar/org/aopalliance/aop/AspectException.java
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
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* /opt/cola/permits/1136687557_1613859286.0/0/spring-aop-4-3-14-release-sources-2.jar/org/springframework/aop/aspectj/SimpleAspectInstanceFactory.java
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1.1795 cracklib 2.9.0 11.el7

1.1795.1 Available under license:

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Version 2.1, February 1999

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^L

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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
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user can modify the Library and then relink to produce a modified
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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

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Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
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specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

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Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
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Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
----------

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=20mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20

-------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ...
GPL-2 ... it was a modified artistic license ... i didn't notice the license change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. It isn't the place of a library to dictate to application writers what license they should be using...
thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216
On Monday 01 October 2007, Neulinger, Nathan wrote:
>
> I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
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> > > clarification of the licensing that was already in place.
> >
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> > GPL-2 ... it was a modified artistic license ... i didnt notice the
> > license
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> >
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> > applications are also GPL-2 which imo is just wrong. it isnt the
> > place of a
> > library to dictact to application writes what license they should
> > be using.
> > thus LGPL-2.1 enters to fill this void.
> > -mike
>
> Re: [Cracklib-devel] cracklib license
> From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gm...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone’s
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven’t really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
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GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWTW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.
Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
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> > linked with any code, not just GPL....
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> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
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looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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yes. go for it. thanks++
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
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Nathan Neulinger is the only one who can actually make said change ...

-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-expproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-expproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000

Open Source Used in Virtualized Voice Browser 12.6(1) 18410
The license for my code in the Cracklib distribution is henceforth GPL.
Happy now? :-)

-a

---------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
---------
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> ----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>=20
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Re: [Cracklib-devel] cracklib license
From: Mike Fry sing er <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
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> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
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much other than cleaning up the packaging and patches and a small bit of
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_______________________________________________
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> From: cracklib-devel-bounces@li...
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I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...
Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
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looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

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From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

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The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-}
1.1796 haproxy 1.8.13

1.1796.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of
this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above,

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
rights under this License. However, parties who have received copies,
or rights, from you under this License will not have their licenses
terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not
signed it. However, nothing else grants you permission to modify or
distribute the Library or its derivative works. These actions are
prohibited by law if you do not accept this License. Therefore, by
modifying or distributing the Library (or any work based on the
Library), you indicate your acceptance of this License to do so, and
all its terms and conditions for copying, distributing or modifying
the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the
Library), the recipient automatically receives a license from the
original licensor to copy, distribute, link with or modify the Library
subject to these terms and conditions. You may not impose any further
restrictions on the recipients' exercise of the rights granted herein.
You are not responsible for enforcing compliance by third parties with
this License.

11. If, as a consequence of a court judgment or allegation of patent
infringement or for any other reason (not limited to patent issues),
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Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.1808 atk 1.30.0

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free
libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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1.1815 zlib 1.2.5
1.1815.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.5, April 19th, 2010

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Jean-loup Gailly    Mark Adler
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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1.1816 dnsmasq 2.80
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* /opt/cola/permits/1136700823_1613865181.14/0/spring-tx-3-0-5-release-sources-2-jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java
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1.1821 newt 0.52.15 4.el7

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

    Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.1825 datatype 1.3.02

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1.1826 cxf-rt-transports-http-jetty 2.7.14

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public static final String UNIQUE_PARTICLE_ATTRIBUTION = "cos-nonambig";

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Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
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September 18, 2010

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components (compiler, kernel, and so on) of the operating system on
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```c
#ifndef __LICENSE_H
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static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
        || strcmp(license, "GPL v2") == 0
        || strcmp(license, "GPL and additional rights") == 0
        || strcmp(license, "Dual BSD/GPL") == 0
        || strcmp(license, "Dual MIT/GPL") == 0
        || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif
```

/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* 10/5/97 - loss of link, and correctly re-enable PHY when link is
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
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(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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1.1841 gdb 7.6.1 114.el7
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#
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"""copyright.py
This script updates the list of years in the copyright notices in
most files maintained by the GDB project.
Usage: cd src/gdb && python copyright.py
Always review the output of this script before committing it!
A useful command to review the output is:
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.
"""
import datetime
import os
import os.path
import subprocess

def get_update_list():
"""Return the list of files to update.
Assumes that the current working directory when called is the root
of the GDB source tree (NOT the gdb/ subdirectory!). The names of

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the files are relative to that root directory.
""
result = []
for gdb_dir in ('gdb', 'sim', 'include/gdb'):
    for root, dirs, files in os.walk(gdb_dir, topdown=True):
        for dirname in dirs:
            reldirname = "%s/%s" % (root, dirname)
            if (dirname in EXCLUDE_ALL_LIST
                or reldirname in EXCLUDE_LIST
                or reldirname in NOT_FSF_LIST
                or reldirname in BY_HAND):
                # Prune this directory from our search list.
                dirs.remove(dirname)
        for filename in files:
            relpath = "%s/%s" % (root, filename)
            if (filename in EXCLUDE_ALL_LIST
                or relpath in EXCLUDE_LIST
                or relpath in NOT_FSF_LIST
                or relpath in BY_HAND):
                # Ignore this file.
                pass
            else:
                result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    ""
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list
    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
For each of those, do a sanity check and see if they may in fact have one. For the files that are found not to have one, we filter the line out from the output, since there is nothing more to do, short of looking at each file and seeing which notice is appropriate. Too much work! (~4,000 files listed as of 2012-01-03).

```python
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)

for line in update_out:
    if line.endswith('n'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
        else:
            # Unrecognized file format. !?!
            print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root directory.

    The algorithm is fairly crude, meaning that it might return some false positives. I do not think it will return any false negatives... We might improve this function to handle more complex cases later...
    """

    # For now, it may have a copyright notice if we find the word "Copyright" at the (reasonable) start of the given file, say # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False
```

---

**Open Source Used In Virtualized Voice Browser 12.6(1) 18907**
def main():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files(update_list)

    # Remind the user that some files need to be updated by HAND...
    if BY_HAND:
        print
        print "\033[31mREMINDER: The following files must be updated by hand.\033[0m"
        for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
            print "  ", filename

    # Some constants, placed at the end because they take up a lot of room.
    # The actual value of these constants is not significant to the understanding
    # of the script.
    
    # Files which should not be modified, either because they are
    # generated, non-FSF, or otherwise special (e.g. license text,
    # or test cases which must be sensitive to line numbering).
    
    # Filenames are relative to the root directory.
    EXCLUDE_LIST = (',
    'gdb/CONTRIBUTE',
    'gdb/gnulib'
    )

    # Files which should not be modified, either because they are
    # generated, non-FSF, or otherwise special (e.g. license text,
    # or test cases which must be sensitive to line numbering).
    # Matches any file or directory name anywhere. Use with caution.
    # This is mostly for files that can be found in multiple directories.
    # Eg: We want all files named COPYING to be left untouched.

    EXCLUDE_ALL_LIST = (',
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    )
"fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = (  
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb-gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcpro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/egen-fpu.c", "sim/common/egen-fpu.h",
    "sim/common/egen-accfp.c",
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
    "sim/erc32/exec.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
)
if __name__ == '__main__':
    main()

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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@appendixsubsec Preamble

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the *Lesser* General Public License because it does *Less* to protect the user's freedom than the ordinary General Public License. It also provides other free software developers *Less* of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is *Less* protective of the
users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a `work based on the library` and a `work that uses the library`. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A `library` means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable `work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
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You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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That's all there is to it!
for (i = 1; i < NF; i++)
printf "\%s\\n", Si;
    printf "\%s\\n\n", $NF;
}
}
/\^[ ]*15. Disclaimer of Warranty\[ ]*$/
    print "\n长寿;"
    print "static void"
    print "show_warranty_command (char *ignore, int from_tty)";
    print "\{\n;"
}
/\^[ ]*15. Disclaimer of Warranty\[ ]*$/END OF TERMS AND CONDITIONS[ ]*$/
if (! ($0 ~ /\^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
{
    printf "\n长寿 filtered (\n":
    for (i = 1; i < NF; i++)
        printf "\%s\\n", $i;
    printf "\%s\\n\n\n", $NF;
}
}
END{
print "\n长寿;"
print "\n长寿;"
print "void"
print "\_initialize_copying (void)\n;"
print "\{\n;"
print "\ add_cmd (\"copying\", no_set_class, show_copying_command,\n;"
print "\_("Conditions for redistributing copies of GDB.\"),\n;"
print "\ &showlist);\n;"
print "\ add_cmd (\"warranty\", no_set_class, show_warranty_command,\n;"
print "\_("Various kinds of warranty you do not have.\"),\n;"
print "\ &showlist);\n;"
print "\n;"
print "\n\ For old-timers, allow \"info copying\", etc. */\n;"
print "\ add_info (\"copying\", show_copying_command,\n;"
print "\_("Conditions for redistributing copies of GDB.\"));\n;"
print "\ add_info (\"warranty\", show_warranty_command,\n;"
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  jar/org/newsclub/net/unix/Closeables.java
* /opt/ws_local/PERMITS_SQL/1046144794_1589880088.21/0/junixsocket-common-2-3-2-sources-
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1.1847 harfbuzz 0.9.36 1.el7

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1.1851 strace 4.12 4.el7

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1.1852 axis-ant 1.4
1.1853 libdevmapper 1.02.140-8.el7

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1.1858 gir1.2-gdkpixbuf-2.0 2.36.5 1.el7
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1.1863 servlet-api 2.4

1.1864 sudo 1.8.23

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeqi, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédric
Margevius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
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Putanec, Boidar
Qun, Trn Ngc
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## xwd v1.0.7

### xwd utility

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.1868 jackson-databind 2.10.1

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/SpringBeanJobFactory.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/QuartzJobBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/SimpleTriggerBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/CronTriggerBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/SchedulerAccessor.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/LocalTaskExecutorThreadPool.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/JobDetailAwareTrigger.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/AdaptableJobFactory.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2.jar/org/springframework/scheduling/quartz/SchedulerContextAware.java
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# Defaults for the Java Activation Framework
# Additional extensions registered in this file:
# text/plain java c c++ pl cc h
#
# Additional file types adapted from
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#
# TEXT TYPES

text/html html htm HTML HTM
text/plain txt text TXT TEXT java c c++ pl cc h
image/gif GIF
image/jpeg jpeg jpg jpe JPG
image/tiff tif
image/x-xwindowdump xwd
application/postscript ai eps ps
application/rtf rtf
text/plain talk
text/css css

# IMAGE TYPES
# X-Windows bitmap (b/w)
image/x-xbitmapxbm

# X-Windows pixelmap (8-bit color)
image/x-xpixmapxpm

# Portable Network Graphics
image/x-pngpng

# Image Exchange Format (RFC 1314)
image/iefief

# JPEG
image/jpegjpeg jpg jpe

# RGB
image/rgbrgb

# Group III Fax (RFC 1494)
image/g3faxg3f

# X Windowdump format
image/x-xwindowdumpxwd

# Macintosh PICT format
image/x-pictpict

# PPM (UNIX PPM package)
image/x-portable-pixmapppm

# PGM (UNIX PPM package)
image/x-portable-graymappgm

# PBM (UNIX PPM package)
image/x-portable-bitmappbm

# PNM (UNIX PPM package)
image/x-portable-anymappnm

# Microsoft Windows bitmap
image/x-ms-hmpbmp

# CMU raster
image/x-cmu-rasterras

# Kodak Photo-CD
image/x-photo-cdpccd

# Computer Graphics Metafile
image/cgmcmgm

# CALS Type 1 or 2
image/x-calsmil cal

# Fractal Image Format (Iterated Systems)
image/fiffiff

# QuickSilver active image (Micrografx)
image/x-mgx-dsfdsf

# CMX vector image (Corel)
image/x-cmxcmx

# Wavelet-compressed (Summus)
image/waveletwii

# AutoCad Drawing (SoftSource)
image/vnd.dwgndwg

# AutoCad DXF file (SoftSource)
image/vnd.dxffdfxf
# Simple Vector Format (SoftSource)
image/vnd.svf

# AUDIO/VOICE/MUSIC RELATED TYPES

# """basic"" audio - 8-bit u-law PCM"
audio/basic

# Macintosh audio format (AIpple)
audio/x-aiff aiff aifc

# Microsoft audio
audio/x-wavwav

# MPEG audio
audio/x-mpegmpa abs mpega

# MPEG-2 audio
audio/x-mpeg-2mp2a mpa2

# compressed speech (Echo Speech Corp.)
audio/echospeeches

# Toolvox speech audio (Voxware)
audio/voxwarevox

# RapidTransit compressed audio (Fast Man)
application/fastmanlcc

# Realaudio (Progressive Networks)
application/x-pn-realaudiorea ram

# MIDI music data
x-music/x-midimmid

# Koan music data (SSeyo)
application/vnd.koanskp

# Speech synthesis data (MVP Solutions)
text/x-speechtalk

# VIDEO TYPES

# MPEG video
video/mpegmpg mpg mpe

# MPEG-2 video
video/mpeg-2mpv2 mp2v

# Macintosh Quicktime
video/quicktimeqt mov

# Microsoft video
video/x-msvideoavi

# SGI Movie format
video/x-sgi-moviemovie

# VDOlive streaming video (VDOnet)
video/vdovdo

# Vivo streaming video (Vivo software)
video/vnd.vivoviv

# SPECIAL HTTP/WEB APPLICATION TYPES
# Proxy autoconfiguration (Netscape browsers)
application/x-ns-proxy-autoconfigpac
# Netscape Cooltalk chat data (Netscape)
x-conference/x-cooltalkice

# TEXT-RELATED

# PostScript
application/postscriptai eps ps
# Microsoft Rich Text Format
application/rtf
# Adobe Acrobat PDF
application/pdfpdf
# Maker Interchange Format (FrameMaker)
application/vnd.mifmif
# Troff document
application/x-troff tr roff
# Troff document with MAN macros
application/x-troff-manman
# Troff document with ME macros
application/x-troff-meme
# Troff document with MS macros
application/x-troff-msms
# LaTeX document
application/x-latexlatex
# TeX/LateX document
application/x-tex
tex
application/x-texinfo
texinfo texi
# TeX dvi format
application/x-dvidvi
# MS word document
application/msworddoc DOC
# Office Document Architecture
application/odaoda
# Envoy Document
application/envoyevy

# ARCHIVE/COMPRESSED ARCHIVES

# Gnu tar format
application/x-gturgtar
# 4.3BSD tar format
application/x-tartar
# POSIX tar format
application/x-ustarustar
# Old CPIO format
application/x-bcpio
# POSIX CPIO format
application/x-epio
# UNIX sh shell archive
application/x-shar
# DOS/PC - Pkzipped archive
application/zipzip
# Macintosh Binhexed archive
application/mac-binhex40hdx
# Macintosh Stuffit Archive
application/x-stuffit sit sea
# Fractal Image Format
application/fractals fif
# "Binary UUencoded"
application/octet-stream uu
# PC executable
application/octet-stream exe
# "WAIS ""sources"
application/x-wais-sources src wsrc
# NCSA HDF data format
application/hdf hdf

# DOWNLOADABLE PROGRAM/SCRIPTS

# Javascript program
text/javascript ls mocha
# UNIX bourne shell program
application/x-shsh
# UNIX c-shell program
application/x-cshcsh
# Perl program
application/x-perlpl
# Tcl (Tool Control Language) program
application/x-tcltcl

# ANIMATION/MULTIMEDIA

# FutureSplash vector animation (FutureWave)
application/futuresplash spl
# mBED multimedia data (mBED)
application/mbedlembed
# PowerMedia multimedia (RadMedia)
application/x-rad-powermediarad

# PRESENTATION

# PowerPoint presentation (Microsoft)
application/mspowerpointppz
# ASAP WordPower (Software Publishing Corp.)
application/x-asapasp

# Astound Web Player multimedia data (GoldDisk)
application/astoundasn

# SPECIAL EMBEDDED OBJECT

# OLE script e.g. Visual Basic (Ncompass)
application/x-olescriptaxs

# OLE Object (Microsoft/NCompass)
application/x-oleobjectods

# OpenScape OLE/OCX objects (Business@Web)
x-form/x-openscapeopp

# Visual Basic objects (Amara)
application/x-webbasicwba

# Specialized data entry forms (Alpha Software)
application/x-alpha-formfrm

# client-server objects (Wayfarer Communications)
x-script/x-wfxclientwfx

# GENERAL APPLICATIONS

# Undefined binary data (often executable progs)
application/octet-stream

# Pointcast news data (Pointcast)
application/x-pcnpcn

# Excel spreadsheet (Microsoft)
application/vnd.ms-excelxls

# PowerPoint (Microsoft)
application/vnd.ms-powerpointppt

# Microsoft Project (Microsoft)
application/vnd.ms-projectmpp

# SourceView document (Dataware Electronics)
application/vnd.svdsvd

# Net Install - software install (20/20 Software)
application/x-net-installins

# Carbon Copy - remote control/access (Microcom)
application/ccvcvc

# Spreadsheets (Visual Components)
workbook/formulaonevts

# 2D/3D DATA/VIRTUAL REALITY TYPES

# VRML data file
x-world/x-vrmlwrl vrm1

# WIRL - VRML data (VREAM)
x-world/x-vreamvrmw

# Play3D 3d scene data (Play3D)
application/x-p3dp3d
# Viscape Interactive 3d world data (Superscape)
x-world/x-srvsvr
# WebActive 3d data (Plastic Thought)
x-world/x-wvrvwr
# QuickDraw3D scene data (Apple)
x-world/x-3dmf3dmf

# SCIENTIFIC/MATH/CAD TYPES

# Mathematica notebook
application/mathematica
# Computational meshes for numerical simulations
x-model/x-meshmsh
# Vis5D 5-dimensional data
application/vis5dv5d
# IGES models -- CAD/CAM (CGM) data
application/igesigs
# Autocad WHIP vector drawings
drawing/x-dwf/dwf

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  jar/org/springframework/mail/javamail/mime.types
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  jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
  jar/org/springframework/scheduling/quartz/LocalDataSourceJobStore.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/DelegatingWork.java

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/DelegatingWork.java

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/SmartMimeMessage.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/velocity/VelocityEngineFactory.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/DelegatingTimerListener.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/InternetAddressEditor.java

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/velocity/CommonsLoggingLogSystem.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/mail/MailSender.java

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  jar/org/springframework/ui/velocity/VelocityEngineFactoryBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
  jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
  jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactoryBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
  jar/org/springframework/scheduling/quartz/SimpleThreadPoolTaskExecutor.java

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1.1876 hpack 1.0.2
1.1877 awsjavasdkec 1.11.91

1.1877.1 Available under license:

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/TimestampFormatRequestHandler.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/DryRunResult.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/GeneratePreSignUrlRequestHandler.java
No license file was found, but licenses were detected in source scan.

```json
{
    "customizationConfig": {
        "additionalShapeConstructors": {
            "AssociateAddressRequest": {
                "constructorForms": [
                    ["InstanceId", "PublicIp"]
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            },
            "AssociateDhcpOptionsRequest": {
                "constructorForms": [
                    ["VpcId"]
                ],
            },
            "AttachVolumeRequest": {
                "constructorForms": [
                    ["VolumeId", "InstanceId", "Device"]
                ],
            },
            "AttachVpnGatewayRequest": {
                "constructorForms": [
                    ["VpnGatewayId", "VpcId"]
                ],
            },
            "AuthorizeSecurityGroupIngressRequest": {
                "constructorForms": [
                    ["GroupName", "IpPermissions"]
                ],
            },
            "BundleInstanceRequest": {
                "constructorForms": [
                    ["InstanceId", "Storage"]
                ],
            },
            "CancelBundleTaskRequest": {
                "constructorForms": [
                    ["BundleId"]
                ],
            },
            "CancelSpotInstanceRequestsRequest": {
                "constructorForms": [
                    ["SpotInstanceRequestIds"]
                ],
            },
            "ConfirmProductInstanceRequest": {
                "constructorForms": [
                    ["ProductCode", "InstanceId"]
                ],
            },
            "CreateCustomerGatewayRequest": {
                "constructorForms": [
                    ["Type", "PublicIp", "BgpAsn"]
                ],
            },
            "CreateDhcpOptionsRequest": {
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                    ["DhcpConfigurations"]
                ]
            }
        }
    }
}
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"CreateImageRequest" : {
    "constructorForms" : [ [ "InstanceId", "Name" ] ]
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"CreateKeyPairRequest" : {
    "constructorForms" : [ [ "KeyName" ] ]
},
"CreatePlacementGroupRequest" : {
    "constructorForms" : [ [ "GroupName", "Strategy" ] ]
},
"CreateSecurityGroupRequest" : {
    "constructorForms" : [ [ "GroupName", "Description" ] ]
},
"CreateSnapshotRequest" : {
    "constructorForms" : [ [ "VolumeId", "Description" ] ]
},
"CreateSpotDatafeedSubscriptionRequest" : {
    "constructorForms" : [ [ "Bucket" ] ]
},
"CreateSubnetRequest" : {
    "constructorForms" : [ [ "VpcId", "CidrBlock" ] ]
},
"CreateTagsRequest" : {
    "constructorForms" : [ [ "Resources", "Tags" ] ]
},
"CreateVolumeRequest" : {
    "constructorForms" : [ [ "Size", "AvailabilityZone" ], [ "SnapshotId", "AvailabilityZone" ] ]
},
"CreateVpcRequest" : {
    "constructorForms" : [ [ "CidrBlock" ] ]
},
"CreateVpnConnectionRequest" : {
    "constructorForms" : [ [ "Type", "CustomerGatewayId", "VpnGatewayId" ] ]
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"CreateVpnGatewayRequest" : {
    "constructorForms" : [ [ "Type" ] ]
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"DeleteCustomerGatewayRequest" : {
    "constructorForms" : [ [ "CustomerGatewayId" ] ]
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"DeleteDhcpOptionsRequest" : {
    "constructorForms" : [ [ "DhcpOptionsId" ] ]
},
"DeleteKeyPairRequest" : {
    "constructorForms" : [ [ "KeyName" ] ]
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    "constructorForms" : [ [ "GroupName" ] ]
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"DeleteTagsRequest": {
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},
"DeleteVolumeRequest": {
  "constructorForms": [[ "VolumeId" ]]
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  "constructorForms": [[ "VpcId" ]]
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"DeleteVpnConnectionRequest": {
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"DeleteVpnGatewayRequest": {
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"DeregisterImageRequest": {
  "constructorForms": [[ "ImageId" ]]
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"DescribeImageAttributeRequest": {
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"DescribeInstanceAttributeRequest": {
  "constructorForms": [[ "InstanceId", "Attribute" ]]
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"DescribeSnapshotAttributeRequest": {
  "constructorForms": [[ "SnapshotId", "Attribute" ]]
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"DescribeTagsRequest": {
  "constructorForms": [[ "Filters" ]]
},
"DescribeVolumesRequest": {
  "constructorForms": [[ "VolumeIds" ]]
},
"DetachVolumeRequest": {
  "constructorForms": [[ "VolumeId" ]]
},
"DetachVpnGatewayRequest": {
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"DisassociateAddressRequest" : {
  "constructorForms" : [ [ "PublicIp" ] ]
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"Filter" : {
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"GetConsoleOutputRequest" : {
  "constructorForms" : [ [ "InstanceId" ] ]
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"GetPasswordDataRequest" : {
  "constructorForms" : [ [ "InstanceId" ] ]
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"ImportKeyPairRequest" : {
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},
"ModifyImageAttributeRequest" : {
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"ModifyInstanceAttributeRequest" : {
  "constructorForms" : [ [ "InstanceId", "Attribute" ] ]
},
"ModifySnapshotAttributeRequest" : {
  "constructorForms" : [ [ "SnapshotId", "Attribute", "OperationType" ] ]
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"MonitorInstancesRequest" : {
  "constructorForms" : [ [ "InstanceIds" ] ]
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"Placement" : {
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},
"PlacementGroup" : {
  "constructorForms" : [ [ "GroupName" ] ]
},
"PurchaseReservedInstancesOfferingRequest" : {
  "constructorForms" : [ [ "ReservedInstancesOfferingId", "InstanceCount" ] ]
},
"RebootInstancesRequest" : {
  "constructorForms" : [ [ "InstanceIds" ] ]
},
"RegisterImageRequest" : {
  "constructorForms" : [ [ "ImageLocation" ] ]
},
"ReleaseAddressRequest" : {
  "constructorForms" : [ [ "PublicIp" ] ]
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"RequestSpotInstancesRequest" : {
  "constructorForms" : [ [ "SpotPrice" ] ]
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"ResetImageAttributeRequest" : {
    "constructorForms" : [ [ "ImageId", "Attribute" ] ]
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"ResetInstanceAttributeRequest" : {
    "constructorForms" : [ [ "InstanceId", "Attribute" ] ]
},
"ResetSnapshotAttributeRequest" : {
    "constructorForms" : [ [ "SnapshotId", "Attribute" ] ]
},
"RevokeSecurityGroupIngressRequest" : {
    "constructorForms" : [ [ "GroupName", "IpPermissions" ] ]
},
"RunInstancesRequest" : {
    "constructorForms" : [ [ "ImageId", "MinCount", "MaxCount" ] ]
},
"SpotPlacement" : {
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},
"StartInstancesRequest" : {
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"StopInstancesRequest" : {
    "constructorForms" : [ [ "InstanceIds" ] ]
},
"Tag" : {
    "constructorForms" : [ [ "Key" ], [ "Key", "Value" ] ]
},
"TerminateInstancesRequest" : {
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"UnmonitorInstancesRequest" : {
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"apiGatewayGradleSettingsTemplate" : {
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"apiGatewayPomTemplate" : {
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  "mainTemplate" : "/templates/api-gateway/README.md.ftl"
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  "mainTemplate" : "/templates/cucumber/RunCucumberTest.ftl"
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    "wrappedResultShape" : "Snapshot"
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  "CreateVolume" : {
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    "useWrappingResult" : true,
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    "wrappedResultShape" : "Volume"
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    "useWrappingResult" : true,
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    "wrappedResultShape" : "ImageAttribute"
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  "DescribeInstanceAttribute" : {
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    "useWrappingResult" : true,
    "wrappedResultMember" : "InstanceAttribute",
    "wrappedResultShape" : "InstanceAttribute"
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  "DetachVolume" : {
    "exclude" : false,
    "useWrappingResult" : true,
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    "wrappedResultShape" : "VolumeAttachment"
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} ]
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            "payload" : false,
            "queryName" : null,
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            "streaming" : false,
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            "marshallLocationName" : null,
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  "emitPropertyName" : null,  
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  "unmarshallLocationName" : null  
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  "excludeShape" : false,  
  "inject" : [  
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        "documentation" : "One or more security group names."  
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    }  
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  "modify" : null  
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"shapeSubstitutions" : {  
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"RequestSpotLaunchSpecification": {
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"emitFromMember": null,
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"emitFromMember": "Enabled",
"skipMarshallPathForShapes": null
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"CancelImportTask": {
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"CreateInternetGateway": {
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"DescribeSpotDatafeedSubscription" : {
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"DescribeSpotInstanceRequests" : {
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"DescribeVpnConnections" : {
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"DescribeVpnGateways" : {
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"ImportImage" : {
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"ImportSnapshot" : {
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"RevokeSecurityGroupIngress" : {
    "methodForms" : [ [ ] ]
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"skipSmokeTests" : false,
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"useAutoConstructList" : true,
"useAutoConstructMap" : false
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  "asyncClient" : "AmazonEC2AsyncClient",
  "asyncClientBuilderClassName" : "AmazonEC2AsyncClientBuilder",
  "asyncInterface" : "AmazonEC2Async",
  "cborProtocol" : false,
  "checksumFormat" : null,
  "contentType" : null,
  "cucumberModuleInjectorClassName" : "AmazonEC2ModuleInjector",
  "defaultEndpoint" : "https://ec2.us-east-1.amazonaws.com",
  "defaultEndpointWithoutHttpProtocol" : "ec2.us-east-1.amazonaws.com",
  "defaultRegion" : null,
  "documentation" : "<fullname>Amazon Elastic Compute Cloud</fullname> <p>Amazon Elastic Compute Cloud (Amazon EC2) provides resizable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster.</p>",
  "endpointPrefix" : "ec2",
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  "ionProtocol" : false,
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  "protocolDefaultExceptionUnmarshallerImpl" : "LegacyErrorUnmarshaller",
  "protocolFactory" : null,
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  "requiresIamSigners" : false,
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  "serviceFullName" : "Amazon Elastic Compute Cloud",
  "serviceName" : "Amazon EC2",
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  "uid" : "ec2-2016-11-15",
  "unmarshallerClassSuffix" : "StaxUnmarshaller",
  "unmarshallerContextClassName" : "StaxUnmarshallerContext",
  "xmlProtocol" : true
},
"operations" : {
  "AcceptReservedInstancesExchangeQuote" : {
    "asyncCallableType" : "java.util.concurrent.Callable<AcceptReservedInstancesExchangeQuoteResult>",
  }
}
"asyncFutureType" : "java.util.concurrent.Future\<AcceptReservedInstancesExchangeQuoteResult\>",
"asyncHandlerType" :
"com.amazonaws.handlers.AsyncHandler\<AcceptReservedInstancesExchangeQuoteRequest,
AcceptReservedInstancesExchangeQuoteResult\>",
"asyncReturnType" : "AcceptReservedInstancesExchangeQuoteResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Accepts the Convertible Reserved Instance exchange quote described in the
<a>GetReservedInstancesExchangeQuote</a> call.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "AcceptReservedInstancesExchangeQuoteRequest",
"variableName" : "acceptReservedInstancesExchangeQuoteRequest",
"variableType" : "AcceptReservedInstancesExchangeQuoteRequest",
"documentation" : "<p>Contains the parameters for accepting the quote.</p>",
"simpleType" : "AcceptReservedInstancesExchangeQuoteRequest",
"variableSetterType" : "AcceptReservedInstancesExchangeQuoteRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "acceptReservedInstancesExchangeQuote",
"operationName" : "AcceptReservedInstancesExchangeQuote",
"returnType" : {
"returnType" : "AcceptReservedInstancesExchangeQuoteResult",
"documentation" : "<p>The result of the exchange and whether it was <code>successful</code>.</p>",
"syncReturnType" : "AcceptReservedInstancesExchangeQuoteResult"
},

"AcceptVpcPeeringConnection" : {
"asyncCallableType" : "java.util.concurrent.Callable\<AcceptVpcPeeringConnectionResult\>",
"asyncFutureType" : "java.util.concurrent.Future\<AcceptVpcPeeringConnectionResult\>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler\<AcceptVpcPeeringConnectionRequest,
AcceptVpcPeeringConnectionResult\>",
"asyncReturnType" : "AcceptVpcPeeringConnectionResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Accept a VPC peering connection request. To accept a request, the VPC peering
connection must be in the <code>pending-acceptance</code> state, and you must be the owner of the peer VPC.
Use the <code>DescribeVpcPeeringConnections</code> request to view your outstanding VPC peering connection
requests.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "acceptVpcPeeringConnectionRequest",
"variableType" : "AcceptVpcPeeringConnectionRequest",
"documentation" : "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
"simpleType" : "AcceptVpcPeeringConnectionRequest",
"variableSetterType": "AcceptVpcPeeringConnectionRequest",
},
"inputStreamPropertyName": null,
"methodName": "acceptVpcPeeringConnection",
"operationName": "AcceptVpcPeeringConnection",
"returnType": {
"returnType": "AcceptVpcPeeringConnectionResult",
"documentation": "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
},
"syncReturnType": "AcceptVpcPeeringConnectionResult"
},
"AllocateAddress": {
"asyncCallableType": "java.util.concurrent.Callable<AllocateAddressResult>",
"asyncFutureType": "java.util.concurrent.Future<AllocateAddressResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<AllocateAddressRequest, AllocateAddressResult>",
"asyncReturnType": "AllocateAddressResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Acquires an Elastic IP address. An Elastic IP address is for use either in the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "AllocateAddressRequest",
"variableName": "allocateAddressRequest",
"variableType": "AllocateAddressRequest",
"documentation": "Contains the parameters for AllocateAddress."
},
"inputStreamPropertyName": null,
"methodName": "allocateAddress",
"operationName": "AllocateAddress",
"returnType": {
"returnType": "AllocateAddressResult",
"documentation": "Contains the output of AllocateAddress.
"},
"syncReturnType": "AllocateAddressResult"
},
"AllocateHosts": {
"asyncCallableType": "java.util.concurrent.Callable<AllocateHostsResult>",
"asyncFutureType": "java.util.concurrent.Future<AllocateHostsResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<AllocateHostsRequest, AllocateHostsResult>",
"asyncReturnType": "AllocateHostsResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Allocates a Dedicated Host to your account. At minimum you need to specify the instance size type, Availability Zone, and quantity of hosts you want to allocate.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "AllocateHostsRequest",
  "variableName": "allocateHostsRequest",
  "variableType": "AllocateHostsRequest",
  "documentation": "<p>Contains the parameters for AllocateHosts.</p>",
  "simpleType": "AllocateHostsRequest",
  "variableSetterType": "AllocateHostsRequest"
},
"inputStreamPropertyName": null,
"methodName": "allocateHosts",
"operationName": "AllocateHosts",
"returnType": {
  "returnType": "AllocateHostsResult",
  "documentation": "<p>Contains the output of AllocateHosts.</p>",
  "syncReturnType": "AllocateHostsResult"
},
"AssignIpv6Addresses": {
  "asyncCallableType": "java.util.concurrent.Callable<AssignIpv6AddressesResult>",
  "asyncFutureType": "java.util.concurrent.Future<AssignIpv6AddressesResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<AssignIpv6AddressesRequest, AssignIpv6AddressesResult>",
  "asyncReturnType": "AssignIpv6AddressesResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Assigns one or more IPv6 addresses to the specified network interface. You can specify one or more specific IPv6 addresses, or you can specify the number of IPv6 addresses to be automatically assigned from within the subnet's IPv6 CIDR block range. You can assign as many IPv6 addresses to a network interface as you can assign private IPv4 addresses, and the limit varies per instance type. For information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per Network Interface Per Instance Type</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "AssignIpv6AddressesRequest",
    "variableName": "assignIpv6AddressesRequest",
    "variableType": "AssignIpv6AddressesRequest",
    "documentation": "",
    "simpleType": "AssignIpv6AddressesRequest",
    "variableSetterType": "AssignIpv6AddressesRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "assignIpv6Addresses"
"operationName" : "AssignIpv6Addresses",
"returnType" : {
    "returnType" : "AssignIpv6AddressesResult",
    "documentation" : null
},
"syncReturnType" : "AssignIpv6AddressesResult"
},
"AssignPrivateIpAddresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<AssignPrivateIpAddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<AssignPrivateIpAddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssignPrivateIpAddressesRequest, AssignPrivateIpAddressesResult>",
    "asyncReturnType" : "AssignPrivateIpAddressesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Assigns one or more secondary private IP addresses to the specified network interface. You can specify one or more specific secondary IP addresses, or you can specify the number of secondary IP addresses to be automatically assigned within the subnet's CIDR block range. The number of secondary IP addresses that you can assign to an instance varies by instance type. For information about instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. For more information about Elastic IP addresses, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "AssignPrivateIpAddressesRequest",
        "variableName" : "assignPrivateIpAddressesRequest",
        "variableType" : "AssignPrivateIpAddressesRequest",
        "documentation" : "Contains the parameters for AssignPrivateIpAddresses.
    "simpleType" : "AssignPrivateIpAddressesRequest",
        "variableSetterType" : "AssignPrivateIpAddressesRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "assignPrivateIpAddresses",
    "operationName" : "AssignPrivateIpAddresses",
    "returnType" : {
        "returnType" : "AssignPrivateIpAddressesResult",
        "documentation" : null
    },
    "syncReturnType" : "AssignPrivateIpAddressesResult"
},
"AssociateAddress" : {
    "asyncCallableType" : "java.util.concurrent.Callable<AssociateAddressResult>",
    "asyncFutureType" : "java.util.concurrent.Future<AssociateAddressResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateAddressRequest, AssociateAddressResult>",
An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see [Elastic IP Addresses](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html) in the Amazon Elastic Compute Cloud User Guide.

If the Elastic IP address is already associated with a different instance, it is disassociated from that instance and associated with the specified instance.

If you don't specify a private IP address, the Elastic IP address is associated with the primary IP address. If the Elastic IP address is already associated with a different instance or a network interface, you get an error unless you allow reassociation.

This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error, and you may be charged for each time the Elastic IP address is remapped to the same instance. For more information, see the Elastic IP Addresses section of Amazon EC2 Pricing.

For more information, see [Elastic IP Addresses](http://aws.amazon.com/ec2/pricing/).
DHCP Options Sets in the Amazon Virtual Private Cloud User Guide.

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AssociateDhcpOptionsRequest",
  "variableName" : "associateDhcpOptionsRequest",
  "variableType" : "AssociateDhcpOptionsRequest",
  "documentation" : "<p>Contains the parameters for AssociateDhcpOptions.</p>",
  "simpleType" : "AssociateDhcpOptionsRequest",
  "variableSetterType" : "AssociateDhcpOptionsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "associateDhcpOptions",
"operationName" : "AssociateDhcpOptions",
"returnType" : {
  "returnType" : "AssociateDhcpOptionsResult",
  "documentation" : null
},
"syncReturnType" : "AssociateDhcpOptionsResult"

"AssociateIamInstanceProfile" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AssociateIamInstanceProfileResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AssociateIamInstanceProfileResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateIamInstanceProfileRequest, AssociateIamInstanceProfileResult>",
  "asyncReturnType" : "AssociateIamInstanceProfileResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Associates an IAM instance profile with a running or stopped instance. You cannot associate more than one IAM instance profile with an instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AssociateIamInstanceProfileRequest",
    "variableName" : "associateIamInstanceProfileRequest",
    "variableType" : "AssociateIamInstanceProfileRequest",
    "documentation" : "",
    "simpleType" : "AssociateIamInstanceProfileRequest",
    "variableSetterType" : "AssociateIamInstanceProfileRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "associateIamInstanceProfile",
  "operationName" : "AssociateIamInstanceProfile",
  "returnType" : {
    "returnType" : "AssociateIamInstanceProfileResult",
    "documentation" : null
  }
}
"syncReturnType" : "AssociateIamInstanceProfileResult"
},
"AssociateRouteTable" : {
 "asyncCallableType" : "java.util.concurrent.Callable<AssociateRouteTableResult>",
 "asyncFutureType" : "java.util.concurrent.Future<AssociateRouteTableResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateRouteTableRequest, AssociateRouteTableResult>",
 "asyncReturnType" : "AssociateRouteTableResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "<p>Associates a subnet with a route table. The subnet and route table must be in the same VPC. This association causes traffic originating from the subnet to be routed according to the routes in the route table. The action returns an association ID, which you need in order to disassociate the route table from the subnet later. A route table can be associated with multiple subnets.</p> For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide.",
 "exceptions" : null,
 "hasBlobMemberAsPayload" : false,
 "input" : {
 "variableDeclarationType" : "AssociateRouteTableRequest",
 "variableName" : "associateRouteTableRequest",
 "variableType" : "AssociateRouteTableRequest",
 "documentation" : "Contains the parameters for AssociateRouteTable.",
 "simpleType" : "AssociateRouteTableRequest",
 "variableSetterType" : "AssociateRouteTableRequest"
},
 "inputStreamPropertyName" : null,
 "methodName" : "associateRouteTable",
 "operationName" : "AssociateRouteTable",
 "returnType" : {
 "returnType" : "AssociateRouteTableResult",
 "documentation" : "Contains the output of AssociateRouteTable.",
 "syncReturnType" : "AssociateRouteTableResult"
},
"AssociateSubnetCidrBlock" : {
 "asyncCallableType" : "java.util.concurrent.Callable<AssociateSubnetCidrBlockResult>",
 "asyncFutureType" : "java.util.concurrent.Future<AssociateSubnetCidrBlockResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateSubnetCidrBlockRequest, AssociateSubnetCidrBlockResult>",
 "asyncReturnType" : "AssociateSubnetCidrBlockResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "Associates a CIDR block with your subnet. You can only associate a single IPv6 CIDR block with your subnet. An IPv6 CIDR block must have a prefix length of /64.",
 "exceptions" : null,
 "hasBlobMemberAsPayload" : false,
 "input" : {
}
"variableDeclarationType" : "AssociateSubnetCidrBlockRequest",
"variableName" : "associateSubnetCidrBlockRequest",
"variableType" : "AssociateSubnetCidrBlockRequest",
"documentation" : "",
"simpleType" : "AssociateSubnetCidrBlockRequest",
"variableSetterType" : "AssociateSubnetCidrBlockRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "associateSubnetCidrBlock",
"operationName" : "AssociateSubnetCidrBlock",
"returnType" : {
    "returnType" : "AssociateSubnetCidrBlockResult",
    "documentation" : null
},
"syncReturnType" : "AssociateSubnetCidrBlockResult"
},
"AssociateVpcCidrBlock" : {
    "asyncCallableType" : "java.util.concurrent.Callable<AssociateVpcCidrBlockResult>",
    "asyncFutureType" : "java.util.concurrent.Future<AssociateVpcCidrBlockResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AssociateVpcCidrBlockRequest, AssociateVpcCidrBlockResult>",
    "asyncReturnType" : "AssociateVpcCidrBlockResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Associates a CIDR block with your VPC. You can only associate a single Amazon-provided IPv6 CIDR block with your VPC. The IPv6 CIDR block size is fixed at /56.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "AssociateVpcCidrBlockRequest",
        "variableName" : "associateVpcCidrBlockRequest",
        "variableType" : "AssociateVpcCidrBlockRequest",
        "documentation" : "",
        "simpleType" : "AssociateVpcCidrBlockRequest",
        "variableSetterType" : "AssociateVpcCidrBlockRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "associateVpcCidrBlock",
    "operationName" : "AssociateVpcCidrBlock",
    "returnType" : {
        "returnType" : "AssociateVpcCidrBlockResult",
        "documentation" : null
    },
    "syncReturnType" : "AssociateVpcCidrBlockResult"
},
"AttachClassicLinkVpc" : {
    "asyncCallableType" : "java.util.concurrent.Callable<AttachClassicLinkVpcResult>",
    "asyncFutureType" : "java.util.concurrent.Future<AttachClassicLinkVpcResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachClassicLinkVpcRequest, AttachClassicLinkVpcResult>",
    "asyncReturnType" : "AttachClassicLinkVpcResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Attaches a classic link VPC to your account. You can only attach a single classic link VPC.

    </p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "AttachClassicLinkVpcRequest",
        "variableName" : "attachClassicLinkVpcRequest",
        "variableType" : "AttachClassicLinkVpcRequest",
        "documentation" : "",
        "simpleType" : "AttachClassicLinkVpcRequest",
        "variableSetterType" : "AttachClassicLinkVpcRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "attachClassicLinkVpc",
    "operationName" : "AttachClassicLinkVpc",
    "returnType" : {
        "returnType" : "AttachClassicLinkVpcResult",
        "documentation" : null
    },
    "syncReturnType" : "AttachClassicLinkVpcResult"
}
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachClassicLinkVpcRequest, AttachClassicLinkVpcResult>",
"asyncReturnType" : "AttachClassicLinkVpcResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Links an EC2-Classic instance to a ClassicLink-enabled VPC through one or more of the VPC's security groups. You cannot link an EC2-Classic instance to more than one VPC at a time. You can only link an instance that's in the <code>running</code> state. An instance is automatically unlinked from a VPC when it's stopped - you can link it to the VPC again when you restart it.</p> <p>After you've linked an instance, you cannot change the VPC security groups that are associated with it. To change the security groups, you must first unlink the instance, and then link it again.</p> <p>Linking your instance to a VPC is sometimes referred to as attaching</p>
"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "AttachClassicLinkVpcRequest",
  "variableName" : "attachClassicLinkVpcRequest",
  "variableType" : "AttachClassicLinkVpcRequest",
  "documentation" : "<p>Contains the parameters for AttachClassicLinkVpc.</p>
",
  "simpleType" : "AttachClassicLinkVpcRequest",
  "variableSetterType" : "AttachClassicLinkVpcRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "attachClassicLinkVpc",
"operationName" : "AttachClassicLinkVpc",
"returnType" : {
  "returnType" : "AttachClassicLinkVpcResult",
  "documentation" : "<p>Contains the output of AttachClassicLinkVpc.</p>
"},
"syncReturnType" : "AttachClassicLinkVpcResult"
"AttachInternetGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachInternetGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachInternetGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachInternetGatewayRequest, AttachInternetGatewayResult>",
  "asyncReturnType" : "AttachInternetGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Attaches an Internet gateway to a VPC, enabling connectivity between the Internet and the VPC. For more information about your VPC and Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual Private Cloud User Guide</a>.</p>
",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AttachInternetGatewayRequest",
    "variableName" : "attachInternetGatewayRequest",
  },
  "methodName" : "attachInternetGateway",
  "operationName" : "AttachInternetGateway",
  "returnType" : {
    "returnType" : "AttachInternetGatewayResult",
    "documentation" : "<p>Contains the output of AttachInternetGateway.</p>
"},
  "syncReturnType" : "AttachInternetGatewayResult"
}
"variableType" : "AttachInternetGatewayRequest",
"documentation" : "<p>Contains the parameters for AttachInternetGateway.</p>",
"simpleType" : "AttachInternetGatewayRequest",
"variableSetterType" : "AttachInternetGatewayRequest"
],
"inputStreamPropertyName" : null,
"methodName" : "attachInternetGateway",
"operationName" : "AttachInternetGateway",
"returnType" : {
  "returnType" : "AttachInternetGatewayResult",
  "documentation" : null
}
},
"syncReturnType" : "AttachInternetGatewayResult"
],
"AttachNetworkInterface" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachNetworkInterfaceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachNetworkInterfaceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachNetworkInterfaceRequest,
AttachNetworkInterfaceResult>",
  "asyncReturnType" : "AttachNetworkInterfaceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Attaches a network interface to an instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AttachNetworkInterfaceRequest",
    "variableName" : "attachNetworkInterfaceRequest",
    "variableType" : "AttachNetworkInterfaceRequest",
    "documentation" : "<p>Contains the parameters for AttachNetworkInterface.</p>",
    "simpleType" : "AttachNetworkInterfaceRequest",
    "variableSetterType" : "AttachNetworkInterfaceRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "attachNetworkInterface",
  "operationName" : "AttachNetworkInterface",
  "returnType" : {
    "returnType" : "AttachNetworkInterfaceResult",
    "documentation" : "<p>Contains the output of AttachNetworkInterface.</p>"
  }
},
"syncReturnType" : "AttachNetworkInterfaceResult"
],
"AttachVolume" : {
  "asyncCallableType" : "java.util.concurrent.Callable<AttachVolumeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AttachVolumeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachVolumeRequest,
AttachVolumeResult>",
  "asyncReturnType" : "AttachVolumeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Attaches a network interface to an instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AttachVolumeRequest",
    "variableName" : "attachVolumeRequest",
    "variableType" : "AttachVolumeRequest",
    "documentation" : "<p>Contains the parameters for AttachVolume.</p>",
    "simpleType" : "AttachVolumeRequest",
    "variableSetterType" : "AttachVolumeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "attachVolume",
  "operationName" : "AttachVolume",
  "returnType" : {
    "returnType" : "AttachVolumeResult",
    "documentation" : "<p>Contains the output of AttachVolume.</p>"
  }
},
"syncReturnType" : "AttachVolumeResult"}
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name.</p> <p>Encrypted EBS volumes may only be attached to instances that support Amazon EBS encryption. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>For a list of supported device names, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-attaching-volume.html">Attaching an EBS Volume to an Instance</a>. Any device names that aren't reserved for instance store volumes can be used for EBS volumes. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html">Amazon EC2 Instance Store</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>If a volume has an AWS Marketplace product code:</p> <ul> <li> <p>The volume can be attached only to a stopped instance.</p> </li> <li> <p>AWS Marketplace product codes are copied from the volume to the instance.</p> </li> <li> <p>You must be subscribed to the product.</p> </li> </ul> <p>For example, you can't detach a volume from a Windows instance and attach it to a Linux instance.</p> <p>For an overview of the AWS Marketplace, see <a href="https://aws.amazon.com/marketplace/help/200900000/">Introducing AWS Marketplace</a>.</p> <p>For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-attaching-volume.html">Attaching Amazon EBS Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
 "variableDeclarationType" : "AttachVolumeRequest",
"variableName" : "attachVolumeRequest",
"variableType" : "AttachVolumeRequest",
"documentation" : "Contains the parameters for AttachVolume.<p>",
"simpleType" : "AttachVolumeRequest",
"variableSetterType" : "AttachVolumeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "attachVolume",
"operationName" : "AttachVolume",
"returnType" : {
 "returnType" : "AttachVolumeResult",
"documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire."
},
"syncReturnType" : "AttachVolumeResult"
"AttachVpnGateway" : {
 "asyncCallableType" : "java.util.concurrent.Callable<AttachVpnGatewayResult>",
 "asyncFutureType" : "java.util.concurrent.Future<AttachVpnGatewayResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AttachVpnGatewayRequest, AttachVpnGatewayResult>",
 "asyncReturnType" : "AttachVpnGatewayResult",
 "authenticated" : true,
 "deprecated" : false,
Attaches a virtual private gateway to a VPC. For more information, see "Adding a Hardware Virtual Private Gateway to Your VPC" in the Amazon Virtual Private Cloud User Guide. Each rule consists of the protocol (for example, TCP), plus either a CIDR range or a source group. For the TCP and UDP protocols, you must also specify the destination port or port range. For the ICMP protocol, you must also specify the ICMP type and code. You can use -1 for the type or code to mean all types or all codes. Rule changes are propagated to affected instances as quickly as possible. However, a small delay might occur.

Exceptions: null
HasBlobMemberAsPayload: false
Input: {
  variableDeclarationType: "AttachVpnGatewayRequest",
  variableName: "attachVpnGatewayRequest",
  variableType: "AttachVpnGatewayRequest",
  documentation: "Contains the parameters for AttachVpnGateway.

  simpleType: "AttachVpnGatewayRequest"
},
inputStreamPropertyName: null,
methodName: "attachVpnGateway",
operationName: "AttachVpnGateway",
returnType: {
  returnType: "AttachVpnGatewayResult",
  documentation: "Contains the output of AttachVpnGateway.

  syncReturnType: "AttachVpnGatewayResult"
},
AuthorizeSecurityGroupEgress: {
  asyncCallableType: "java.util.concurrent.Callable<AuthorizeSecurityGroupEgressResult>"
  asyncFutureType: "java.util.concurrent.Future<AuthorizeSecurityGroupEgressResult>"
  asyncHandlerType: "com.amazonaws.handlers.AsyncHandler<AuthorizeSecurityGroupEgressRequest,
AuthorizeSecurityGroupEgressResult>"
  asyncReturnType: "AuthorizeSecurityGroupEgressResult"
  authenticated: true,
  deprecated: false,
  documentation: "[EC2-VPC only] Adds one or more egress rules to a security group for use with a VPC. Specifically, this action permits instances to send traffic to one or more destination IPv4 or IPv6 CIDR address ranges, or to one or more destination security groups for the same VPC. This action doesn't apply to security groups for use in EC2-Classic. For more information, see "Security Groups for Your VPC" in the Amazon Virtual Private Cloud User Guide. For more information about security group limits, see "Amazon VPC Limits". Each rule consists of the protocol (for example, TCP), plus either a CIDR range or a source group. For the TCP and UDP protocols, you must also specify the destination port or port range. For the ICMP protocol, you must also specify the ICMP type and code. You can use -1 for the type or code to mean all types or all codes. Rule changes are propagated to affected instances as quickly as possible. However, a small delay might occur.

Exceptions: null
HasBlobMemberAsPayload: false
Input: {
  variableDeclarationType: "AuthorizeSecurityGroupEgressRequest",
  variableName: "authorizeSecurityGroupEgressRequest"
"variableType" : "AuthorizeSecurityGroupEgressRequest",
"documentation" : "Contains the parameters for AuthorizeSecurityGroupEgress.",
"simpleType" : "AuthorizeSecurityGroupEgressRequest",
"variableSetterType" : "AuthorizeSecurityGroupEgressRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "authorizeSecurityGroupEgress",
"operationName" : "AuthorizeSecurityGroupEgress",
"returnType" : {
  "returnType" : "AuthorizeSecurityGroupEgressResult",
  "documentation" : null
},
"syncReturnType" : "AuthorizeSecurityGroupEgressResult"
},
"AuthorizeSecurityGroupIngress" : {
  "syncCallableType" : "java.util.concurrent.Callable<AuthorizeSecurityGroupIngressResult>",
  "asyncFutureType" : "java.util.concurrent.Future<AuthorizeSecurityGroupIngressResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<AuthorizeSecurityGroupIngressRequest, AuthorizeSecurityGroupIngressResult>",
  "asyncReturnType" : "AuthorizeSecurityGroupIngressResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Adds one or more ingress rules to a security group. Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur. [EC2-Classic] This action gives one or more IPv4 CIDR address ranges permission to access a security group in your account, or gives one or more security groups (called the source groups) permission to access a security group for your account. A source group can be for your own AWS account, or another. You can have up to 100 rules per group. [EC2-VPC] This action gives one or more IPv4 or IPv6 CIDR address ranges permission to access a security group in your VPC, or gives one or more other security groups (called the source groups) permission to access a security group for your VPC. The security groups must all be for the same VPC or a peer VPC in a VPC peering connection. For more information about VPC security group limits, see Amazon VPC Limits.",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "AuthorizeSecurityGroupIngressRequest",
    "variableName" : "authorizeSecurityGroupIngressRequest",
    "variableType" : "AuthorizeSecurityGroupIngressRequest",
    "documentation" : "Contains the parameters for AuthorizeSecurityGroupIngress.",
    "simpleType" : "AuthorizeSecurityGroupIngressRequest",
    "variableSetterType" : "AuthorizeSecurityGroupIngressRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "authorizeSecurityGroupIngress",
  "operationName" : "AuthorizeSecurityGroupIngress",
  "returnType" : {
    "returnType" : "AuthorizeSecurityGroupIngressResult",
    "documentation" : null
  },
"documentation" : null,
"syncReturnType" : "AuthorizeSecurityGroupIngressResult"
},
"BundleInstance" : {
  "asyncCallableType" : "java.util.concurrent.Callable<BundleInstanceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<BundleInstanceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<BundleInstanceRequest,
BundleInstanceResult>",
  "asyncReturnType" : "BundleInstanceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Bundles an Amazon instance store-backed Windows instance.</p> During bundling, only the root device volume (C:\) is bundled. Data on other instance store volumes is not preserved.</note> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/Creating_InstanceStoreBacked_WinAMI.html\">Creating an Instance Store-Backed Windows AMI</a>.</p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "BundleInstanceRequest",
  "variableName" : "bundleInstanceRequest",
  "variableType" : "BundleInstanceRequest",
  "documentation" : "Contains the parameters for BundleInstance.",
  "simpleType" : "BundleInstanceRequest",
  "variableSetterType" : "BundleInstanceRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "bundleInstance",
"operationName" : "BundleInstance",
"returnType" : {
  "returnType" : "BundleInstanceResult",
  "documentation" : "Contains the output of BundleInstance.",
},
"syncReturnType" : "BundleInstanceResult"
},
"CancelBundleTask" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CancelBundleTaskResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CancelBundleTaskResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelBundleTaskRequest,
CancelBundleTaskResult>",
  "asyncReturnType" : "CancelBundleTaskResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Cancels a bundling operation for an instance store-backed Windows instance.",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
"input": {
  "variableDeclarationType": "CancelBundleTaskRequest",
  "variableName": "cancelBundleTaskRequest",
  "variableType": "CancelBundleTaskRequest",
  "documentation": "<p>Contains the parameters for CancelBundleTask.</p>",
  "simpleType": "CancelBundleTaskRequest",
  "variableSetterType": "CancelBundleTaskRequest"
},
"inputStreamPropertyName": null,
"methodName": "cancelBundleTask",
"operationName": "CancelBundleTask",
"returnType": {
  "returnType": "CancelBundleTaskResult",
  "documentation": "<p>Contains the output of CancelBundleTask.</p>"
},
"syncReturnType": "CancelBundleTaskResult"
},
"CancelConversionTask": {
  "asyncCallableType": "java.util.concurrent.Callable<CancelConversionTaskResult>",
  "asyncFutureType": "java.util.concurrent.Future<CancelConversionTaskResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CancelConversionTaskRequest, CancelConversionTaskResult>",
  "asyncReturnType": "CancelConversionTaskResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Cancels an active conversion task. The task can be the import of an instance or volume. The action removes all artifacts of the conversion, including a partially uploaded volume or instance. If the conversion is complete or is in the process of transferring the final disk image, the command fails and returns an exception.</p> <p>For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>&lt;/p&gt;",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "CancelConversionTaskRequest",
    "variableName": "cancelConversionTaskRequest",
    "variableType": "CancelConversionTaskRequest",
    "documentation": "<p>Contains the parameters for CancelConversionTask.</p>",
    "simpleType": "CancelConversionTaskRequest",
    "variableSetterType": "CancelConversionTaskRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "cancelConversionTask",
  "operationName": "CancelConversionTask",
  "returnType": {
    "returnType": "CancelConversionTaskResult",
    "documentation": null
  }
}
"syncReturnType": "CancelConversionTaskResult",
]
"CancelExportTask": {
"asyncCallableType": "java.util.concurrent.Callable<CancelExportTaskResult>",
"asyncFutureType": "java.util.concurrent.Future<CancelExportTaskResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CancelExportTaskRequest,CancelExportTaskResult>",
"asyncReturnType": "CancelExportTaskResult",
"authenticated": true,
"deprecated": false,
"documentation": "Cancels an active export task. The request removes all artifacts of the export, including any partially-created Amazon S3 objects. If the export task is complete or is in the process of transferring the final disk image, the command fails and returns an error.",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "CancelExportTaskRequest",
"variableName": "cancelExportTaskRequest",
"variableType": "CancelExportTaskRequest",
"documentation": "Contains the parameters for CancelExportTask",
"simpleType": "CancelExportTaskRequest",
"variableSetterType": "CancelExportTaskRequest"
},
"inputStreamPropertyName": null,
"methodName": "cancelExportTask",
"operationName": "CancelExportTask",
"returnType": {
"returnType": "CancelExportTaskResult",
"documentation": null
},
"syncReturnType": "CancelExportTaskResult",

"CancelImportTask": {
"asyncCallableType": "java.util.concurrent.Callable<CancelImportTaskResult>",
"asyncFutureType": "java.util.concurrent.Future<CancelImportTaskResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CancelImportTaskRequest,CancelImportTaskResult>",
"asyncReturnType": "CancelImportTaskResult",
"authenticated": true,
"deprecated": false,
"documentation": "Cancels an in-process import virtual machine or import snapshot task",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "CancelImportTaskRequest",
"variableName": "cancelImportTaskRequest",
"variableType": "CancelImportTaskRequest",
"documentation": "Contains the parameters for CancelImportTask",
"simpleType": "CancelImportTaskRequest",
"variableSetterType": "CancelImportTaskRequest"
},
"inputStreamPropertyName": null,
"methodName": "cancelImportTask",
"operationName": "CancelImportTask",
"returnType": {
"returnType": "CancelImportTaskResult",
"documentation": null
},
"syncReturnType": "CancelImportTaskResult"
"simpleType" : "CancelImportTaskRequest",
"variableSetterType" : "CancelImportTaskRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "cancelImportTask",
"operationName" : "CancelImportTask",
"returnType" : {
  "returnType" : "CancelImportTaskResult",
  "documentation" : "<p>Contains the output for CancelImportTask.</p>",
},
"syncReturnType" : "CancelImportTaskResult"
},
"CancelReservedInstancesListing" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CancelReservedInstancesListingResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CancelReservedInstancesListingResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelReservedInstancesListingRequest, CancelReservedInstancesListingResult>",
  "asyncReturnType" : "CancelReservedInstancesListingResult",
  "authenticated" : true,
  "deprecated" : false,
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CancelReservedInstancesListingRequest",
    "variableName" : "cancelReservedInstancesListingRequest",
    "variableType" : "CancelReservedInstancesListingRequest",
    "documentation" : "<p>Contains the parameters for CancelReservedInstancesListing.</p>",
    "simpleType" : "CancelReservedInstancesListingRequest",
    "variableSetterType" : "CancelReservedInstancesListingRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "cancelReservedInstancesListing",
  "operationName" : "CancelReservedInstancesListing",
  "returnType" : {
    "returnType" : "CancelReservedInstancesListingResult",
    "documentation" : "<p>Contains the output of CancelReservedInstancesListing.</p>",
  },
  "syncReturnType" : "CancelReservedInstancesListingResult"
},
"CancelSpotFleetRequests" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CancelSpotFleetRequestsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CancelSpotFleetRequestsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelSpotFleetRequestsRequest, CancelSpotFleetRequestsResult>",

"asyncReturnType" : "CancelSpotFleetRequestsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Cancels the specified Spot fleet requests. After you cancel a Spot fleet request, the Spot fleet launches no new Spot instances. You must specify whether the Spot fleet should also terminate its Spot instances. If you terminate the instances, the Spot fleet request enters the <code>cancelled_terminating</code> state. Otherwise, the Spot fleet request enters the <code>cancelled_running</code> state and the instances continue to run until they are interrupted or you terminate them manually.\</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
 "variableDeclarationType" : "CancelSpotFleetRequestsRequest",
 "variableName" : "cancelSpotFleetRequestsRequest",
 "variableType" : "CancelSpotFleetRequestsRequest",
 "documentation" : "<p>Contains the parameters for CancelSpotFleetRequests.\</p>"
 },
"inputStreamPropertyName" : null,
"methodName" : "cancelSpotFleetRequests",
"operationName" : "CancelSpotFleetRequests",
"returnType" : {
 "returnType" : "CancelSpotFleetRequestsResult",
 "documentation" : "<p>Contains the output of CancelSpotFleetRequests.\</p>"
 },
"syncReturnType" : "CancelSpotFleetRequestsResult"
},
"CancelSpotInstanceRequests" : {
 "asyncCallableType" : "java.util.concurrent.Callable<CancelSpotInstanceRequestsResult>\",
 "asyncFutureType" : "java.util.concurrent.Future<CancelSpotInstanceRequestsResult>\",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CancelSpotInstanceRequestsRequest, CancelSpotInstanceRequestsResult>\",
 "asyncReturnType" : "CancelSpotInstanceRequestsResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "<p>Cancels one or more Spot instance requests. Spot instances are instances that Amazon EC2 starts on your behalf when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html\">Spot Instance Requests</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;important&gt; &lt;p&gt;Canceling a Spot instance request does not terminate running Spot instances associated with the request.&lt;/p&gt; &lt;/important&gt;\",
 "exceptions" : null,
 "hasBlobMemberAsPayload" : false,
 "input" : {
 "variableDeclarationType" : "CancelSpotInstanceRequestsRequest",
 "variableName" : "cancelSpotInstanceRequestsRequest",
 "variableType" : "CancelSpotInstanceRequestsRequest",
 "documentation" : "<p>Contains the parameters for CancelSpotInstanceRequests.\</p>",
"simpleType" : "CancelSpotInstanceRequestsRequest",
"variableSetterType" : "CancelSpotInstanceRequestsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "cancelSpotInstanceRequests",
"operationName" : "CancelSpotInstanceRequests",
"returnType" : {
  "returnType" : "CancelSpotInstanceRequestsResult",
  "documentation" : "<p>Contains the output of CancelSpotInstanceRequests.</p>
},
"syncReturnType" : "CancelSpotInstanceRequestsResult"
}

"ConfirmProductInstance" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ConfirmProductInstanceResult>>",
  "asyncFutureType" : "java.util.concurrent.Future<ConfirmProductInstanceResult>>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ConfirmProductInstanceRequest, ConfirmProductInstanceResult>>",
  "asyncReturnResult" : "ConfirmProductInstanceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Determines whether a product code is associated with an instance. This action can only be used by the owner of the product code. It is useful when a product code owner needs to verify whether another user's instance is eligible for support.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ConfirmProductInstanceRequest",
    "variableName" : "confirmProductInstanceRequest",
    "variableType" : "ConfirmProductInstanceRequest",
    "documentation" : "<p>Contains the parameters for ConfirmProductInstance.</p>",
    "simpleType" : "ConfirmProductInstanceRequest",
    "variableSetterType" : "ConfirmProductInstanceRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "confirmProductInstance",
  "operationName" : "ConfirmProductInstance",
  "returnType" : {
    "returnType" : "ConfirmProductInstanceResult",
    "documentation" : "<p>Contains the output of ConfirmProductInstance.</p>
  },
  "syncReturnType" : "ConfirmProductInstanceResult"
}
"CopyImage" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CopyImageResult>>",
  "asyncFutureType" : "java.util.concurrent.Future<CopyImageResult>>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CopyImageRequest, CopyImageResult>>",
  "asyncReturnResult" : "CopyImageResult",
  "authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Initiates the copy of an AMI from the specified source region to the current region. You
specify the destination region by using its endpoint when making the request.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingAMIs.html">Copying AMIs</a> in the
Amazon Elastic Compute Cloud User Guide.

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CopyImageRequest",
    "variableName" : "copyImageRequest",
    "variableType" : "CopyImageRequest",
    "documentation" : "Contains the parameters for CopyImage.

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CopySnapshotRequest",
    "variableName" : "copySnapshotRequest",
    "variableType" : "CopySnapshotRequest",
    "documentation" : "Copies a point-in-time snapshot of an EBS volume and stores it in Amazon S3. You can
copy the snapshot within the same region or from one region to another. You can use the snapshot to create EBS
volumes or Amazon Machine Images (AMIs). The snapshot is copied to the regional endpoint that you send the
HTTP request to.

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CopyVolumeRequest",
    "variableName" : "copyVolumeRequest",
    "variableType" : "CopyVolumeRequest",
    "documentation" : "Copies an EBS volume. You can copy an EBS volume between regions or from one
region to another. Copying an Amazon EBS Volume requires that you specify the source and destination
regions.

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CopyVolumeRequest"
"variableName" : "copySnapshotRequest",
"variableType" : "CopySnapshotRequest",
"documentation" : "<p>Contains the parameters for CopySnapshot.</p>",
"simpleType" : "CopySnapshotRequest",
"variableSetterType" : "CopySnapshotRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "copySnapshot",
"operationName" : "CopySnapshot",
"returnType" : {
  "syncReturnType" : "CopySnapshotResult"
},
"CreateCustomerGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateCustomerGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateCustomerGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateCustomerGatewayRequest,
CreateCustomerGatewayResult>",
  "asyncReturnTyp" : "CreateCustomerGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Provides information to AWS about your VPN customer gateway device. The customer
gateway is the appliance at your end of the VPN connection. (The device on the AWS side of the VPN connection is
the virtual private gateway.) You must provide the Internet-routable IP address of the customer gateway's external
interface. The IP address must be static and may be behind a device performing network address translation
(NAT).</p> <p>For devices that use Border Gateway Protocol (BGP), you can also provide the device's BGP
Autonomous System Number (ASN). You can use an existing ASN assigned to your network. If you don’t have an
ASN already, you can use a private ASN (in the 64512 - 65534 range).<p> <note> <p>Amazon EC2 supports all 2-byte
ASN numbers in the range of 1 - 65534, with the exception of 7224, which is reserved in the <code>us-east-1</code> region, and 9059, which is reserved in the <code>eu-west-1</code> region.</p> </note> <p>For more
information about VPN customer gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual
Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p> <important>
<p>You cannot create more than one customer gateway with the same VPN type, IP address, and BGP ASN
parameter values. If you run an identical request more than one time, the first request creates the customer
gateway, and subsequent requests return information about the existing customer gateway. The subsequent requests do not
create new customer gateway resources.</p> <important">
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateCustomerGatewayRequest",
    "variableName" : "createCustomerGatewayRequest",
    "variableType" : "CreateCustomerGatewayRequest",
    "documentation" : "<p>Contains the parameters for CreateCustomerGateway.</p>",
    "simpleType" : "CreateCustomerGatewayRequest",
    "variableSetterType" : "CreateCustomerGatewayRequest"
"CreateDhcpOptions" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateDhcpOptionsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateDhcpOptionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateDhcpOptionsRequest, CreateDhcpOptionsResult>",
  "asyncReturnTypenType" : "CreateDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a set of DHCP options for your VPC. After creating the set, you must associate it with the VPC, causing all existing and new instances that you launch in the VPC to use this set of DHCP options. The following are the individual DHCP options you can specify. For more information about the options, see &lt;a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a&gt;.</p>
  <ul>
    <li>
      <p>&lt;code&gt;domain-name-servers&lt;/code&gt; - The IP addresses of up to four domain name servers, or AmazonProvidedDNS. The default DHCP option set specifies AmazonProvidedDNS. If specifying more than one domain name server, specify the IP addresses in a single parameter, separated by commas. If you want your instance to receive a custom DNS hostname as specified in &lt;code&gt;domain-name&lt;/code&gt;, you must set &lt;code&gt;domain-name-servers&lt;/code&gt; to a custom DNS server.&lt;/p&gt;
    </li>
    <li>
      <p>&lt;code&gt;domain-name&lt;/code&gt; - If you're using AmazonProvidedDNS in "us-east-1", specify "ec2.internal". If you're using AmazonProvidedDNS in another region, specify "region.compute.internal" (for example, "ap-northeast-1.compute.internal"). Otherwise, specify a domain name (for example, "MyCompany.com"). This value is used to complete unqualified DNS hostnames. &lt;b&gt;Important:&lt;/b&gt; Some Linux operating systems accept multiple domain names separated by spaces. However, Windows and other Linux operating systems treat the value as a single domain, which results in unexpected behavior. If your DHCP options set is associated with a VPC that has instances with multiple operating systems, specify only one domain name.&lt;/p&gt;
    </li>
    <li>
      <p>&lt;code&gt;ntp-servers&lt;/code&gt; - The IP addresses of up to four Network Time Protocol (NTP) servers.&lt;/p&gt;
    </li>
    <li>
      <p>&lt;code&gt;netbios-name-servers&lt;/code&gt; - The IP addresses of up to four NetBIOS name servers.&lt;/p&gt;
    </li>
    <li>
      <p>&lt;code&gt;netbios-node-type&lt;/code&gt; - The NetBIOS node type (1, 2, 4, or 8). We recommend that you specify 2 (broadcast and multicast are not currently supported). For more information about these node types, see &lt;a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a&gt;.</p>
    </li>
  </ul>
  &lt;p&gt;Your VPC automatically starts out with a set of DHCP options that includes only a DNS server that we provide (AmazonProvidedDNS). If you create a set of options, and if your VPC has an Internet gateway, make sure to set the &lt;code&gt;domain-name-servers&lt;/code&gt; option either to &lt;code&gt;AmazonProvidedDNS&lt;/code&gt; or to a domain name server of your choice. For more information about DHCP options, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html"&gt;DHCP Options Sets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateDhcpOptionsRequest", ...
"variableName" : "createDhcpOptionsRequest",
"variableType" : "CreateDhcpOptionsRequest",
"documentation" : "<p>Contains the parameters for CreateDhcpOptions.</p>",
"simpleType" : "CreateDhcpOptionsRequest",
"variableSetterType" : "CreateDhcpOptionsRequest"
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"inputStreamPropertyName" : null,
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"operationName" : "CreateDhcpOptions",
"returnType" : {
  "returnType" : "CreateDhcpOptionsResult",
  "documentation" : "<p>Contains the output of CreateDhcpOptions.</p>
}
},
"syncReturnType" : "CreateDhcpOptionsResult"
],
"CreateEgressOnlyInternetGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateEgressOnlyInternetGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateEgressOnlyInternetGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateEgressOnlyInternetGatewayRequest,
CreateEgressOnlyInternetGatewayResult>",
  "asyncReturnType" : "CreateEgressOnlyInternetGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>[IPv6 only] Creates an egress-only Internet gateway for your VPC. An egress-only Internet gateway is used to enable outbound communication over IPv6 from instances in your VPC to the Internet, and prevents hosts outside of your VPC from initiating an IPv6 connection with your instance.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "createEgressOnlyInternetGatewayRequest",
    "variableType" : "CreateEgressOnlyInternetGatewayRequest",
    "documentation" : "",
    "simpleType" : "CreateEgressOnlyInternetGatewayRequest",
    "variableSetterType" : "CreateEgressOnlyInternetGatewayRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createEgressOnlyInternetGateway",
  "operationName" : "CreateEgressOnlyInternetGateway",
  "returnType" : {
    "returnType" : "CreateEgressOnlyInternetGatewayResult",
    "documentation" : null
  },
  "syncReturnType" : "CreateEgressOnlyInternetGatewayResult"
},
"CreateFlowLogs" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateFlowLogsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateFlowLogsResult>"
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateFlowLogsRequest, CreateFlowLogsResult>",
"asyncReturnType" : "CreateFlowLogsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates one or more flow logs to capture IP traffic for a specific network interface, subnet, or VPC. Flow logs are delivered to a specified log group in Amazon CloudWatch Logs. If you specify a VPC or subnet in the request, a log stream is created in CloudWatch Logs for each network interface in the subnet or VPC. Log streams can include information about accepted and rejected traffic to a network interface. You can view the data in your log streams using Amazon CloudWatch Logs.</p> In your request, you must also specify an IAM role that has permission to publish logs to CloudWatch Logs.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
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"documentation" : "<p>Contains the parameters for CreateFlowLogs.</p>",
"simpleType" : "CreateFlowLogsRequest",
"variableSetterType" : "CreateFlowLogsRequest"
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"inputStreamPropertyName" : null,
"methodName" : "createFlowLogs",
"operationName" : "CreateFlowLogs",
"returnType" : {
"returnType" : "CreateFlowLogsResult",
"documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
"syncReturnType" : "CreateFlowLogsResult"
},
"CreateImage" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateImageResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateImageResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateImageRequest, CreateImageResult>",
"asyncReturnType" : "CreateImageResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates an Amazon EBS-backed AMI from an Amazon EBS-backed instance that is either running or stopped.</p> If you customized your instance with instance store volumes or EBS volumes in addition to the root device volume, the new AMI contains block device mapping information for those volumes. When you launch an instance from this new AMI, the instance automatically launches with those additional volumes.
For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami-ebs.html">Creating Amazon EBS-Backed Linux AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName": "createImageRequest",
"variableType": "CreateImageRequest",
"documentation": "<p>Contains the parameters for CreateImage.</p>",
"simpleType": "CreateImageRequest",
"variableSetterType": "CreateImageRequest"
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"inputStreamPropertyName": null,
"methodName": "createImage",
"operationName": "CreateImage",
"returnType": {
  "returnType": "CreateImageResult",
  "documentation": "<p>Contains the output of CreateImage.</p>"
},
"syncReturnType": "CreateImageResult"
},
"CreateInstanceExportTask": {
  "asyncCallableType": "java.util.concurrent.Callable<CreateInstanceExportTaskResult>",
  "asyncFutureType": "java.util.concurrent.Future<CreateInstanceExportTaskResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateInstanceExportTaskRequest, CreateInstanceExportTaskResult>",
  "asyncReturnTyp..."},
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "CreateInstanceExportTaskRequest",
  "variableName": "createInstanceExportTaskRequest",
  "variableType": "CreateInstanceExportTaskRequest",
  "documentation": "<p>Contains the parameters for CreateInstanceExportTask.</p>",
  "simpleType": "CreateInstanceExportTaskRequest",
  "variableSetterType": "CreateInstanceExportTaskRequest"
},
"inputStreamPropertyName": null,
"methodName": "createInstanceExportTask",
"operationName": "CreateInstanceExportTask",
"returnType": {
  "returnType": "CreateInstanceExportTaskResult",
  "documentation": "<p>Contains the output for CreateInstanceExportTask.</p>"
},
"syncReturnType": "CreateInstanceExportTaskResult"
},
"CreateInternetGateway": {
  "asyncCallableType": "java.util.concurrent.Callable<CreateInternetGatewayResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateInternetGatewayResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateInternetGatewayRequest, CreateInternetGatewayResult>",
"asyncReturnType" : "CreateInternetGatewayResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates an Internet gateway for use with a VPC. After creating the Internet gateway, you attach it to a VPC using <a>AttachInternetGateway</a>. For more information about your VPC and Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual Private Cloud User Guide</a>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : { 
"variableDeclarationType" : "CreateInternetGatewayRequest",
"variableName" : "createInternetGatewayRequest",
"variableType" : "CreateInternetGatewayRequest",
"documentation" : "<p>Contains the parameters for CreateInternetGateway.</p>",
"simpleType" : "CreateInternetGatewayRequest",
"variableSetterType" : "CreateInternetGatewayRequest"
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"inputStreamPropertyName" : null,
"methodName" : "createInternetGateway",
"operationName" : "CreateInternetGateway",
"returnType" : {
"returnType" : "CreateInternetGatewayResult",
"documentation" : "<p>Contains the output of CreateInternetGateway.</p>",
"syncReturnType" : "CreateInternetGatewayResult"
},
"CreateKeyPair" : { 
"asyncCallableType" : "java.util.concurrent.Callable<CreateKeyPairResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateKeyPairResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateKeyPairRequest, CreateKeyPairResult>",
"asyncReturnType" : "CreateKeyPairResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a 2048-bit RSA key pair with the specified name. Amazon EC2 stores the public key and displays the private key for you to save to a file. The private key is returned as an unencrypted PEM encoded PKCS#8 private key. If a key with the specified name already exists, Amazon EC2 returns an error.</p> You can have up to five thousand key pairs per region. The key pair returned to you is available only in the region in which you create it. To create a key pair that is available in all regions, use <a>ImportKeyPair</a>. For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : { 

"variableDeclarationType": "CreateKeyPairRequest",
"variableName": "createKeyPairRequest",
"variableType": "CreateKeyPairRequest",
"documentation": "<p>Contains the parameters for CreateKeyPair.</p>",
"simpleType": "CreateKeyPairRequest",
"variableSetterType": "CreateKeyPairRequest"
},
"inputStreamPropertyName": null,
"methodName": "createKeyPair",
"operationName": "CreateKeyPair",
"returnType": {
  "returnType": "CreateKeyPairResult",
  "documentation": "A simple result wrapper around the KeyPair object that was sent over the wire."
},
"syncReturnType": "CreateKeyPairResult"
},
"CreateNatGateway": {
  "asyncCallableType": "java.util.concurrent.Callable<CreateNatGatewayResult>",
  "asyncFutureType": "java.util.concurrent.Future<CreateNatGatewayResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<CreateNatGatewayRequest, CreateNatGatewayResult>",
  "asyncReturnType": "CreateNatGatewayResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Creates a NAT gateway in the specified subnet. A NAT gateway can be used to enable instances in a private subnet to connect to the Internet. This action creates a network interface in the specified subnet with a private IP address from the IP address range of the subnet. For more information, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"&gt;NAT Gateways&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "CreateNatGatewayRequest",
    "variableName": "createNatGatewayRequest",
    "variableType": "CreateNatGatewayRequest",
    "documentation": "<p>Contains the parameters for CreateNatGateway.</p>",
    "simpleType": "CreateNatGatewayRequest",
    "variableSetterType": "CreateNatGatewayRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "createNatGateway",
  "operationName": "CreateNatGateway",
  "returnType": {
    "returnType": "CreateNatGatewayResult",
    "documentation": "<p>Contains the output of CreateNatGateway.</p>"
  },
  "syncReturnType": "CreateNatGatewayResult"
}
"CreateNetworkAcl" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateNetworkAclResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateNetworkAclResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateNetworkAclRequest,
CreateNetworkAclResult>",
  "asyncReturnType" : "CreateNetworkAclResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a network ACL in a VPC. Network ACLs provide an optional layer of security
  (in addition to security groups) for the instances in your VPC.</p> For more information about network ACLs,
  see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.
",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateNetworkAclRequest",
    "variableName" : "createNetworkAclRequest",
    "variableType" : "CreateNetworkAclRequest",
    "documentation" : "Contains the parameters for CreateNetworkAcl.
",
    "simpleType" : "CreateNetworkAclRequest",
    "variableSetterType" : "CreateNetworkAclRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createNetworkAcl",
  "operationName" : "CreateNetworkAcl",
  "returnType" : {
    "returnType" : "CreateNetworkAclResult",
    "documentation" : "Contains the output of CreateNetworkAcl.
"
  },
  "syncReturnType" : "CreateNetworkAclResult"
},

"CreateNetworkAclEntry" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateNetworkAclEntryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateNetworkAclEntryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateNetworkAclEntryRequest,
CreateNetworkAclEntryResult>",
  "asyncReturnType" : "CreateNetworkAclEntryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates an entry (a rule) in a network ACL with the specified rule number. Each network
ACL has a set of numbered ingress rules and a separate set of numbered egress rules. When determining whether a
packet should be allowed in or out of a subnet associated with the ACL, we process the entries in the ACL according
to the rule numbers, in ascending order. Each network ACL has a set of ingress rules and a separate set of egress
rules.</p> We recommend that you leave room between the rule numbers (for example, 100, 110, 120, ...), and
not number them one right after the other (for example, 101, 102, 103, ...). This makes it easier to add a rule between
existing ones without having to renumber the rules.</p>
After you add an entry, you can't modify it; you must
either replace it, or create an entry and delete the old one.</p> For more information about network ACLs, see
<a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
the <i>Amazon Virtual Private Cloud User Guide</i>.

```
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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    "variableName" : "createNetworkAclEntryRequest",
    "variableType" : "CreateNetworkAclEntryRequest",
    "documentation" : "Contains the parameters for CreateNetworkAclEntry.
    
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableName" : "createNetworkInterfaceRequest",
        "variableType" : "CreateNetworkInterfaceRequest",
        "documentation" : "Contains the parameters for CreateNetworkInterface.
    
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "CreateNetworkInterfaceRequest",
        "variableName" : "createNetworkInterfaceRequest",
        "variableType" : "CreateNetworkInterfaceRequest",
        "documentation" : "Contains the output of CreateNetworkInterface.
    
```
"syncReturnType" : "CreateNetworkInterfaceResult"
},
"CreatePlacementGroup" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreatePlacementGroupResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreatePlacementGroupResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreatePlacementGroupRequest, CreatePlacementGroupResult>",
"asyncReturnType" : "CreatePlacementGroupResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a placement group that you launch cluster instances into. You must give the group a name that's unique within the scope of your account.</p> <p>For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>";
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreatePlacementGroupRequest",
"variableName" : "createPlacementGroupRequest",
"variableType" : "CreatePlacementGroupRequest",
"documentation" : "<p>Contains the parameters for CreatePlacementGroup.</p>"
"simpleType" : "CreatePlacementGroupRequest",
"variableSetterType" : "CreatePlacementGroupRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createPlacementGroup",
"operationName" : "CreatePlacementGroup",
"returnType" : {
"returnType" : "CreatePlacementGroupResult",
"documentation" : null
},
"syncReturnType" : "CreatePlacementGroupResult"
},
"CreateReservedInstancesListing" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateReservedInstancesListingResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateReservedInstancesListingResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateReservedInstancesListingRequest, CreateReservedInstancesListingResult>",
"asyncReturnType" : "CreateReservedInstancesListingResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a listing for Amazon EC2 Standard Reserved Instances to be sold in the Reserved Instance Marketplace. You can submit one Standard Reserved Instance listing at a time. To get a list of your Standard Reserved Instances, you can use the <a>DescribeReservedInstances</a> operation.</p> <note> <p>Only Standard Reserved Instances with a capacity reservation can be sold in the Reserved Instance Marketplace. Convertible Reserved Instances and Standard Reserved Instances with a regional benefit cannot be sold.</p> <note> <p>The Reserved Instance Marketplace matches sellers who want to resell Standard Reserved Instance
To sell your Standard Reserved Instances, you must first register as a seller in the Reserved Instance Marketplace. After completing the registration process, you can create a Reserved Instance Marketplace listing of some or all of your Standard Reserved Instances, and specify the upfront price to receive for them. Your Standard Reserved Instance listings then become available for purchase. To view the details of your Standard Reserved Instance listing, you can use the DescribeReservedInstancesListings operation. For more information, see Reserved Instance Marketplace in the Amazon Elastic Compute Cloud User Guide.

```
exceptions : null,
hasBlobMemberAsPayload : false,
input : {
  variableDeclarationType : "CreateReservedInstancesListingRequest",
  variableName : "createReservedInstancesListingRequest",
  variableType : "CreateReservedInstancesListingRequest",
  documentation : "Contains the parameters for CreateReservedInstancesListing",
  simpleType : "CreateReservedInstancesListingRequest",
  variableSetterType : "CreateReservedInstancesListingRequest"
},
inputStreamPropertyName : null,
methodName : "createReservedInstancesListing",
operationName : "CreateReservedInstancesListing",
returnType : {
  returnType : "CreateReservedInstancesListingResult",
  documentation : "Contains the output of CreateReservedInstancesListing"
},
syncReturnType : "CreateReservedInstancesListingResult"

```

To create a route in a route table within a VPC, you must specify one of the following targets: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway. When determining how to route traffic, we use the route with the most specific match. For example, traffic is destined for the IPv4 address 192.0.2.3, and the route table includes the following two IPv4 routes:

- 192.0.2.0/24 (goes to some target A)
- 192.0.2.0/28 (goes to some target B)

Both routes apply to the traffic destined for 192.0.2.3. However, the second route in the list covers a smaller number of IP addresses and is therefore more specific, so we use that route to determine where to target the traffic. For more information about route tables, see Route Tables in the Amazon Virtual Private Cloud User Guide.

```
exceptions : null,
hasBlobMemberAsPayload : false,
```
"input" : {
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  "variableType" : "CreateRouteRequest",
  "documentation" : "<p>Contains the parameters for CreateRoute.</p>",
  "simpleType" : "CreateRouteRequest",
  "variableSetterType" : "CreateRouteRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createRoute",
"operationName" : "CreateRoute",
"returnType" : {
  "returnType" : "CreateRouteResult",
  "documentation" : "<p>Contains the output of CreateRoute.</p>"
},
"syncReturnType" : "CreateRouteResult"
};

"CreateRouteTable" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateRouteTableResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateRouteTableResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateRouteTableRequest, CreateRouteTableResult>",
  "asyncReturnType" : "CreateRouteTableResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a route table for the specified VPC. After you create a route table, you can add routes and associate the table with a subnet.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateRouteTableRequest",
    "variableName" : "createRouteTableRequest",
    "variableType" : "CreateRouteTableRequest",
    "documentation" : "<p>Contains the parameters for CreateRouteTable.</p>",
    "simpleType" : "CreateRouteTableRequest",
    "variableSetterType" : "CreateRouteTableRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createRouteTable",
  "operationName" : "CreateRouteTable",
  "returnType" : {
    "returnType" : "CreateRouteTableResult",
    "documentation" : "<p>Contains the output of CreateRouteTable.</p>"
  },
  "syncReturnType" : "CreateRouteTableResult"}
"CreateSecurityGroup" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateSecurityGroupResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateSecurityGroupResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSecurityGroupRequest, CreateSecurityGroupResult>",
  "asyncReturnType" : "CreateSecurityGroupResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a security group.</p> <p>A security group is for use with instances either in the EC2-Classic platform or in a specific VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-network-security.html">Amazon EC2 Security Groups</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> and <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html">Security Groups for Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. <p>EC2-Classic: You can have up to 500 security groups.</p> <p>EC2-VPC: You can create up to 500 security groups per VPC.</p> <p>When you create a security group, you specify a friendly name of your choice. You can have a security group for use in EC2-Classic with the same name as a security group for use in a VPC. However, you can't have two security groups for use in EC2-Classic with the same name or two security groups for use in a VPC with the same name.</p> <p>You have a default security group for use in EC2-Classic and a default security group for use in your VPC. If you don't specify a security group when you launch an instance, the instance is launched into the appropriate default security group. A default security group includes a default rule that grants instances unrestricted network access to each other.</p> <p>You can add or remove rules from your security groups using <a>AuthorizeSecurityGroupIngress</a>, <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupIngress</a>, and <a>RevokeSecurityGroupEgress</a>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateSecurityGroupRequest",
    "variableName" : "createSecurityGroupRequest",
    "variableType" : "CreateSecurityGroupRequest",
    "documentation" : "<p>Contains the parameters for CreateSecurityGroup.</p>",
    "simpleType" : "CreateSecurityGroupRequest",
    "variableSetterType" : "CreateSecurityGroupRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createSecurityGroup",
  "operationName" : "CreateSecurityGroup",
  "returnType" : {
    "returnType" : "CreateSecurityGroupResult",
    "documentation" : "<p>Contains the output of CreateSecurityGroup.</p>"
  },
  "syncReturnType" : "CreateSecurityGroupResult"
},
"CreateSnapshot" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateSnapshotResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateSnapshotResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSnapshotRequest, CreateSnapshotResult>",
  "asyncReturnType" : "CreateSnapshotResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Create a snapshot of an EBS volume.</p> <p>A snapshot is a point-in-time copy of the data on an EBS volume. You can use a snapshot to create a new EBS volume or to restore a volume that was lost or corrupted. A snapshot is not monitored, and you are responsible for protecting it. Amazon does not support or enable any form of backup of a snapshot. If you lose a snapshot, Amazon will not be able to rebuild it. You can create up to 500 snapshots per account per region, of which up to 50 can be from existing EBS volumes, and you must create the snapshots in the same region as the volume from which you are taking them. You can take a snapshot of an EBS volume at any time, even if it is currently in use. If the snapshot has just been taken, it might not be available for a short period of time. However, it is always safe to restore from a snapshot. If you are taking a snapshot of an encrypted EBS volume, you have the option of taking it as an encryptedsnapshot. In this case, the snapshot is encrypted in the same way as the volume, and you must use the same encryption key when restoring the volume from the snapshot. If you have an encrypted EBS volume, you can take a snapshot of it at any time. A snapshot of an encrypted EBS volume is always encrypted. You cannot take a snapshot of an encrypted EBS volume if the encryption mode is not dmrypt.</p> <p>When you create a snapshot, you specify a friendly name of your choice. You can have a snapshot for use in EC2-Classic with the same name as a snapshot for use in a VPC. However, you can't have two snapshots for use in EC2-Classic with the same name or two snapshots for use in a VPC with the same name.</p> <p>You have a default snapshot for use in EC2-Classic and a default snapshot for use in your VPC. If you don't specify a snapshot when you launch an instance, the instance is launched into the appropriate default snapshot. A default snapshot includes a default rule that grants instances unrestricted network access to each other. You can add or remove rules from your snapshots using <a>AuthorizeSnapshotIngress</a>, <a>AuthorizeSnapshotEgress</a>, <a>RevokeSnapshotIngress</a>, and <a>RevokeSnapshotEgress</a>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "CreateSnapshotRequest",
    "variableName" : "createSnapshotRequest",
    "variableType" : "CreateSnapshotRequest",
    "documentation" : "<p>Contains the parameters for CreateSnapshot.</p>",
    "simpleType" : "CreateSnapshotRequest",
    "variableSetterType" : "CreateSnapshotRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "createSnapshot",
  "operationName" : "CreateSnapshot",
  "returnType" : {
    "returnType" : "CreateSnapshotResult",
    "documentation" : "<p>Contains the output of CreateSnapshot.</p>"
  },
  "syncReturnType" : "CreateSnapshotResult"}
"asyncReturnType" : "CreateSnapshotResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a snapshot of an EBS volume and stores it in Amazon S3. You can use snapshots for backups, to make copies of EBS volumes, and to save data before shutting down an instance.</p> <p>When a snapshot is created, any AWS Marketplace product codes that are associated with the source volume are propagated to the snapshot.</p> <p>You can take a snapshot of an attached volume that is in use. However, snapshots only capture data that has been written to your EBS volume at the time the snapshot command is issued; this may exclude any data that has been cached by any applications or the operating system. If you can pause any file systems on the volume long enough to take a snapshot, your snapshot should be complete. However, if you cannot pause all file writes to the volume, you should unmount the volume from within the instance, issue the snapshot command, and then remount the volume to ensure a consistent and complete snapshot. You may remount and use your volume while the snapshot status is <code>pending</code>.</p> <p>To create a snapshot for EBS volumes that serve as root devices, you should stop the instance before taking the snapshot.</p> <p>Snapshots that are taken from encrypted volumes are automatically encrypted. Volumes that are created from encrypted snapshots are also automatically encrypted. Your encrypted volumes and any associated snapshots always remain protected.</p> <p>To create a snapshot for EBS volumes that serve as root devices, you should stop the instance before taking the snapshot.</p> <p>Snapshots that are taken from encrypted volumes are automatically encrypted. Volumes that are created from encrypted snapshots are also automatically encrypted. Your encrypted volumes and any associated snapshots always remain protected.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AmazonEBS.html">Amazon Elastic Block Store</a> and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>".
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateSnapshotRequest",
  "variableName" : "createSnapshotRequest",
  "variableType" : "CreateSnapshotRequest",
  "documentation" : "<p>Contains the parameters for CreateSnapshot.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "createSnapshot",
"operationName" : "CreateSnapshot",
"returnType" : {
  "returnType" : "CreateSnapshotResult",
  "documentation" : "A simple result wrapper around the Snapshot object that was sent over the wire."
},
"syncReturnType" : "CreateSnapshotResult"
}.

"CreateSpotDatafeedSubscription" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateSpotDatafeedSubscriptionResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateSpotDatafeedSubscriptionResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSpotDatafeedSubscriptionRequest, CreateSpotDatafeedSubscriptionResult>",
  "asyncReturnType" : "CreateSpotDatafeedSubscriptionResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates a data feed for Spot instances, enabling you to view Spot instance usage logs."
"}.
You can create one data feed per AWS account. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-data-feeds.html">Spot Instance Data Feed</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateSpotDatafeedSubscriptionRequest",
  "variableName" : "createSpotDatafeedSubscriptionRequest",
  "variableType" : "CreateSpotDatafeedSubscriptionRequest",
  "documentation" : "Contains the parameters for CreateSpotDatafeedSubscription.",
  "simpleType" : "CreateSpotDatafeedSubscriptionRequest",
  "variableSetterType" : "CreateSpotDatafeedSubscriptionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createSpotDatafeedSubscription",
"operationName" : "CreateSpotDatafeedSubscription",
"returnType" : {
  "returnType" : "CreateSpotDatafeedSubscriptionResult",
  "documentation" : "Contains the output of CreateSpotDatafeedSubscription.
"}
},
"syncReturnType" : "CreateSpotDatafeedSubscriptionResult"
},
"CreateSubnet" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateSubnetResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateSubnetResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateSubnetRequest, CreateSubnetResult>",
  "asyncReturnType" : "CreateSubnetResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Creates a subnet in an existing VPC.
"When you create each subnet, you provide the VPC ID and the CIDR block you want for the subnet. After you create a subnet, you can't change its CIDR block. The subnet's IPv4 CIDR block can be the same as the VPC's IPv4 CIDR block (assuming you want only a single subnet in the VPC), or a subset of the VPC's IPv4 CIDR block. If you create more than one subnet in a VPC, the subnets' CIDR blocks must not overlap. The smallest IPv4 subnet (and VPC) you can create uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses).
"If you've associated an IPv6 CIDR block with your VPC, you can create a subnet with an IPv6 CIDR block that uses a /64 prefix length.
"AWS reserves both the first four and the last IP address in each subnet's CIDR block. They're not available for use.
"If you add more than one subnet to a VPC, they're set up in a star topology with a logical router in the middle.
"If you launch an instance in a VPC using an Amazon EBS-backed AMI, the IP address doesn't change if you stop and restart the instance (unlike a similar instance launched outside a VPC, which gets a new IP address when restarted). It's therefore possible to have a subnet with no running instances (they're all stopped), but no remaining IP addresses available.
For more information about subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateSubnetRequest",
"variableName" : "createSubnetRequest",
"variableType" : "CreateSubnetRequest",
"documentation" : "contains the parameters for CreateSubnet.
"simpleType" : "CreateSubnetRequest",
"variableSetterType" : "CreateSubnetRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createSubnet",
"operationName" : "CreateSubnet",
"returnType" : {
  "returnType" : "CreateSubnetResult",
  "documentation" : "Contains the output of CreateSubnet.
"}
},
"syncReturnType" : "CreateSubnetResult"
"variableName" : "createSubnetRequest",
"variableType" : "CreateSubnetRequest",
"documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
"simpleType" : "CreateSubnetRequest",
"variableSetterType" : "CreateSubnetRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createSubnet",
"operationName" : "CreateSubnet",
"returnType" : {
  "returnType" : "CreateSubnetResult",
  "documentation" : "<p>Contains the output of CreateSubnet.</p>"
},
"syncReturnType" : "CreateSubnetResult"
},
"CreateTags" : {
  "asyncCallableType" : "java.util.concurrent.Callable<CreateTagsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<CreateTagsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateTagsRequest, CreateTagsResult>",
  "asyncReturnType" : "CreateTagsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Adds or overwrites one or more tags for the specified Amazon EC2 resource or resources. Each resource can have a maximum of 50 tags. Each tag consists of a key and optional value. Tag keys must be unique per resource.</p> For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. For more information about creating IAM policies that control users' access to resources based on tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-iam-policy-elements.html">Supported Resource-Level Permissions for Amazon EC2 API Actions</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "CreateTagsRequest",
  "variableName" : "createTagsRequest",
  "variableType" : "CreateTagsRequest",
  "documentation" : "<p>Contains the parameters for CreateTags.</p>",
  "simpleType" : "CreateTagsRequest",
  "variableSetterType" : "CreateTagsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createTags",
"operationName" : "CreateTags",
"returnType" : {
  "returnType" : "CreateTagsResult",
  "documentation" : null
}
"syncReturnType" : "CreateTagsResult"
},
"CreateVolume" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateVolumeResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateVolumeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVolumeRequest, CreateVolumeResult>",
"asyncReturnType" : "CreateVolumeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates an EBS volume that can be attached to an instance in the same Availability Zone. The volume is created in the regional endpoint that you send the HTTP request to. For more information see &lt;a href="http://docs.aws.amazon.com/general/latest/grande.html">Regions and Endpoints</a>.&lt;/p&gt; &lt;p&gt;You can create a new empty volume or restore a volume from an EBS snapshot. Any AWS Marketplace product codes from the snapshot are propagated to the volume.&lt;/p&gt; &lt;p&gt;You can create encrypted volumes with the &lt;code&gt;Encrypted&lt;/code&gt; parameter. Encrypted volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are also automatically encrypted. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-volume.html">Creating or Restoring an Amazon EBS Volume</a>&lt;/p&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateVolumeRequest",
"variableName" : "createVolumeRequest",
"variableType" : "CreateVolumeRequest",
"documentation" : "<p>Contains the parameters for CreateVolume.&lt;/p&gt;",
"simpleType" : "CreateVolumeRequest",
"variableSetterType" : "CreateVolumeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVolume",
"operationName" : "CreateVolume",
"returnType" : {
"returnType" : "CreateVolumeResult",
"documentation" : "A simple result wrapper around the Volume object that was sent over the wire."
},
"syncReturnType" : "CreateVolumeResult"
},
"CreateVpc" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateVpcResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateVpcResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpcRequest, CreateVpcResult>",
"asyncReturnType" : "CreateVpcResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a VPC with the specified IPv4 CIDR block. The smallest VPC you can create
uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses). To help you decide how big to make your VPC, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. You can optionally request an Amazon-provided IPv6 CIDR block for the VPC. The IPv6 CIDR block uses a /56 prefix length, and is allocated from Amazon's pool of IPv6 addresses. You cannot choose the IPv6 range for your VPC. By default, each instance you launch in the VPC has the default DHCP options, which includes only a default DNS server that we provide (AmazonProvidedDNS). For more information about DHCP options, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. You can specify the instance tenancy value for the VPC when you create it. You can't change this value for the VPC after you create it. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-instance.html">Dedicated Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.", "exceptions" : null, "hasBlobMemberAsPayload" : false, "input" : { "variableDeclarationType" : "CreateVpcRequest", "variableName" : "createVpcRequest", "variableType" : "CreateVpcRequest", "documentation" : "<p>Contains the parameters for CreateVpc.</p>", "simpleType" : "CreateVpcRequest", "variableSetterType" : "CreateVpcRequest" }, "inputStreamPropertyName" : null, "methodName" : "createVpc", "operationName" : "CreateVpc", "returnType" : { "returnType" : "CreateVpcResult", "documentation" : "<p>Contains the output of CreateVpc.</p>" }, "syncReturnType" : "CreateVpcResult" }, "CreateVpcEndpoint" : { "asyncCallableType" : "java.util.concurrent.Callable<CreateVpcEndpointResult>", "asyncFutureType" : "java.util.concurrent.Future<CreateVpcEndpointResult>", "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpcEndpointRequest, CreateVpcEndpointResult>", "asyncReturnType" : "CreateVpcEndpointResult", "authenticated" : true, "deprecated" : false, "documentation" : "<p>Creates a VPC endpoint for a specified AWS service. An endpoint enables you to create a private connection between your VPC and another AWS service in your account. You can specify an endpoint policy to attach to the endpoint that will control access to the service from your VPC. You can also specify the VPC route tables that use the endpoint.</p> <p>Use <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/DescribeVpcEndpointServices.html">DescribeVpcEndpointServices</a> to get a list of supported AWS services.</p>", "exceptions" : null, "hasBlobMemberAsPayload" : false, "input" : {
"variableDeclarationType" : "CreateVpcEndpointRequest",
"variableName" : "createVpcEndpointRequest",
"variableType" : "CreateVpcEndpointRequest",
"documentation" : "<p>Contains the parameters for CreateVpcEndpoint.</p>",
"simpleType" : "CreateVpcEndpointRequest",
"variableSetterType" : "CreateVpcEndpointRequest"
],
"inputStreamPropertyName" : null,
"methodName" : "createVpcEndpoint",
"operationName" : "CreateVpcEndpoint",
"returnType" : {
    "returnType" : "CreateVpcEndpointResult",
    "documentation" : "<p>Contains the output of CreateVpcEndpoint.</p>",
    "syncReturnType" : "CreateVpcEndpointResult"
},
"CreateVpcPeeringConnection" : {
    "asyncCallableType" : "java.util.concurrent.Callable<CreateVpcPeeringConnectionResult>",
    "syncReturnType" : "CreateVpcPeeringConnectionResult",
    "command" : "com.amazonaws.handlers.AsyncHandler<CreateVpcPeeringConnectionRequest,
CreateVpcPeeringConnectionResult>",
    "syncReturnType" : "CreateVpcPeeringConnectionResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Requests a VPC peering connection between two VPCs: a requester VPC that you own and a peer VPC with which to create the connection. The peer VPC can belong to another AWS account. The requester VPC and peer VPC cannot have overlapping CIDR blocks.</p> <p>The owner of the peer VPC must accept the peering request to activate the peering connection. The VPC peering connection request expires after 7 days, after which it cannot be accepted or rejected.</p> <p>A <code>CreateVpcPeeringConnection</code> request between VPCs with overlapping CIDR blocks results in the VPC peering connection having a status of <code>failed</code>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "CreateVpcPeeringConnectionRequest",
    "variableName" : "createVpcPeeringConnectionRequest",
    "variableType" : "CreateVpcPeeringConnectionRequest",
    "documentation" : "<p>Contains the parameters for CreateVpcPeeringConnection.</p>",
    "simpleType" : "CreateVpcPeeringConnectionRequest",
    "variableSetterType" : "CreateVpcPeeringConnectionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpcPeeringConnection",
"operationName" : "CreateVpcPeeringConnection",
"returnType" : {
    "returnType" : "CreateVpcPeeringConnectionResult",
    "documentation" : "<p>Contains the output of CreateVpcPeeringConnection.</p>"}
"syncReturnType" : "CreateVpcPeeringConnectionResult",
},
"CreateVpnConnection" : {
"asyncCallableType" : "java.util.concurrent.Callable<CreateVpnConnectionResult>",
"asyncFutureType" : "java.util.concurrent.Future<CreateVpnConnectionResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<CreateVpnConnectionRequest,
CreateVpnConnectionResult>",
"asyncReturnType" : "CreateVpnConnectionResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a VPN connection between an existing virtual private gateway and a VPN
customer gateway. The only supported connection type is <code>ipsec.1</code>. The response includes
information that you need to give to your network administrator to configure your customer gateway.</p>
<br><p>We strongly recommend that you use HTTPS when calling this operation because the response
contains sensitive cryptographic information for configuring your customer gateway.</p>
<br><p>If you decide to shut down your VPN connection for any reason and later create a new VPN connection, you must
reconfigure your customer gateway with the new information returned from this call.</p>
<br><p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.</p>
Private Gateway to Your VPC</a> in the <a>Amazon Virtual Private Cloud User Guide</a>.

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "CreateVpnConnectionRequest",
"variableName" : "createVpnConnectionRequest",
"variableType" : "CreateVpnConnectionRequest",
"documentation" : "Contains the parameters for CreateVpnConnection.
"simpleType" : "CreateVpnConnectionRequest",
"variableSetterType" : "CreateVpnConnectionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "createVpnConnection",
"operationName" : "CreateVpnConnection",
"returnType" : {
"returnType" : "CreateVpnConnectionResult",
"documentation" : "Contains the output of CreateVpnConnection.
"}
},
"syncReturnTyp
"documentation": "<p>Creates a static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway. </p> <p>For more information about VPN connections, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html"&gt;Adding a Hardware Virtual Private Gateway to Your VPC&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",

"exceptions": null,

"hasBlobMemberAsPayload": false,

"input": {
    "variableDeclarationType": "CreateVpnConnectionRouteRequest",
    "variableName": "createVpnConnectionRouteRequest",
    "variableType": "CreateVpnConnectionRouteRequest",
    "documentation": "&lt;p&gt;Contains the parameters for CreateVpnConnectionRoute.&lt;/p&gt;",
    "simpleType": "CreateVpnConnectionRouteRequest",
    "variableSetterType": "CreateVpnConnectionRouteRequest"
},

"inputStreamPropertyName": null,

"methodName": "createVpnConnectionRoute",

"operationName": "CreateVpnConnectionRoute",

"returnType": {
    "returnType": "CreateVpnConnectionRouteResult",
    "documentation": null
},

"syncReturnType": "CreateVpnConnectionRouteResult"

"CreateVpnGateway": {
    "asyncCallableType": "java.util.concurrent.Callable&lt;CreateVpnGatewayResult&gt;",
    "asyncFutureType": "java.util.concurrent.Future&lt;CreateVpnGatewayResult&gt;",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler&lt;CreateVpnGatewayRequest,
CreateVpnGatewayResult&gt;",
    "asyncReturnType": "CreateVpnGatewayResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Creates a virtual private gateway. A virtual private gateway is the endpoint on the VPC side of your VPN connection. You can create a virtual private gateway before creating the VPC itself. </p> <p>For more information about virtual private gateways, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html"&gt;Adding a Hardware Virtual Private Gateway to Your VPC&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",

"exceptions": null,

"hasBlobMemberAsPayload": false,

"input": {
    "variableDeclarationType": "CreateVpnGatewayRequest",
    "variableName": "createVpnGatewayRequest",
    "variableType": "CreateVpnGatewayRequest",
    "documentation": "&lt;p&gt;Contains the parameters for CreateVpnGateway.&lt;/p&gt;",
    "simpleType": "CreateVpnGatewayRequest",
    "variableSetterType": "CreateVpnGatewayRequest"
},

"inputStreamPropertyName": null,
"methodName" : "createVpnGateway",
"operationName" : "CreateVpnGateway",
"returnType" : {
  "returnType" : "CreateVpnGatewayResult",
  "documentation" : "<p>Contains the output of CreateVpnGateway.</p>",
},
"syncReturnType" : "CreateVpnGatewayResult"
},
"DeleteCustomerGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteCustomerGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteCustomerGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteCustomerGatewayRequest,
DeleteCustomerGatewayResult>",
  "asyncReturnType" : "DeleteCustomerGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified customer gateway. You must delete the VPN connection before you
can delete the customer gateway.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteCustomerGatewayRequest",
    "variableName" : "deleteCustomerGatewayRequest",
    "variableType" : "DeleteCustomerGatewayRequest",
    "documentation" : "<p>Contains the parameters for DeleteCustomerGateway.</p>",
    "simpleType" : "DeleteCustomerGatewayRequest",
    "variableSetterType" : "DeleteCustomerGatewayRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteCustomerGateway",
  "operationName" : "DeleteCustomerGateway",
  "returnType" : {
    "returnType" : "DeleteCustomerGatewayResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteCustomerGatewayResult"
},
"DeleteDhcpOptions" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteDhcpOptionsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteDhcpOptionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteDhcpOptionsRequest,
DeleteDhcpOptionsResult>",
  "asyncReturnType" : "DeleteDhcpOptionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified set of DHCP options. You must disassociate the set of DHCP
options before you can delete it. You can disassociate the set of DHCP options by associating either a new set of
options or the default set of options with the VPC.</p>"
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "DeleteDhcpOptionsRequest",
  "variableName": "deleteDhcpOptionsRequest",
  "variableType": "DeleteDhcpOptionsRequest",
  "documentation": "<p>Contains the parameters for DeleteDhcpOptions.</p>",
  "simpleType": "DeleteDhcpOptionsRequest",
  "variableSetterType": "DeleteDhcpOptionsRequest"
},
"inputStreamPropertyName": null,
"methodName": "deleteDhcpOptions",
"operationName": "DeleteDhcpOptions",
"returnType": {
  "returnType": "DeleteDhcpOptionsResult",
  "documentation": null
},
"syncReturnType": "DeleteDhcpOptionsResult"
},
"DeleteEgressOnlyInternetGateway": {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteEgressOnlyInternetGatewayResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteEgressOnlyInternetGatewayResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteEgressOnlyInternetGatewayRequest,DeleteEgressOnlyInternetGatewayResult>",
  "asyncReturnType": "DeleteEgressOnlyInternetGatewayResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes an egress-only Internet gateway.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DeleteEgressOnlyInternetGatewayRequest",
    "variableName": "deleteEgressOnlyInternetGatewayRequest",
    "variableType": "DeleteEgressOnlyInternetGatewayRequest",
    "documentation": "",
    "simpleType": "DeleteEgressOnlyInternetGatewayRequest",
    "variableSetterType": "DeleteEgressOnlyInternetGatewayRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "deleteEgressOnlyInternetGateway",
  "operationName": "DeleteEgressOnlyInternetGateway",
  "returnType": {
    "returnType": "DeleteEgressOnlyInternetGatewayResult",
    "documentation": null
  },
  "syncReturnType": "DeleteEgressOnlyInternetGatewayResult"
},
"DeleteFlowLogs": {
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "DeleteFlowLogsRequest",
  "variableName": "deleteFlowLogsRequest",
  "variableType": "DeleteFlowLogsRequest",
  "documentation": "",
  "simpleType": "DeleteFlowLogsRequest",
  "variableSetterType": "DeleteFlowLogsRequest"
},
"inputStreamPropertyName": null,
"methodName": "deleteFlowLogs",
"operationName": "DeleteFlowLogs",
"returnType": {
  "returnType": "DeleteFlowLogsResult",
  "documentation": null
},
"syncReturnType": "DeleteFlowLogsResult"}
"asyncCallableType" : "java.util.concurrent.Callable<DeleteFlowLogsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteFlowLogsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteFlowLogsRequest, DeleteFlowLogsResult>",
"asyncReturnType" : "DeleteFlowLogsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes one or more flow logs.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteFlowLogsRequest",
  "variableName" : "deleteFlowLogsRequest",
  "variableType" : "DeleteFlowLogsRequest",
  "documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
  "simpleType" : "DeleteFlowLogsRequest",
  "variableSetterType" : "DeleteFlowLogsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteFlowLogs",
"operationName" : "DeleteFlowLogs",
"returnType" : {
  "returnType" : "DeleteFlowLogsResult",
  "documentation" : "<p>Contains the output of DeleteFlowLogs.</p>",
},
"syncReturnType" : "DeleteFlowLogsResult"
},
"DeleteInternetGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteInternetGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteInternetGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteInternetGatewayRequest, DeleteInternetGatewayResult>",
  "asyncReturnType" : "DeleteInternetGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified Internet gateway. You must detach the Internet gateway from the VPC before you can delete it.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteInternetGatewayRequest",
    "variableName" : "deleteInternetGatewayRequest",
    "variableType" : "DeleteInternetGatewayRequest",
    "documentation" : "<p>Contains the parameters for DeleteInternetGateway.</p>",
    "simpleType" : "DeleteInternetGatewayRequest",
    "variableSetterType" : "DeleteInternetGatewayRequest"
  },
  "inputStreamPropertyName" : null,
"methodName" : "deleteInternetGateway",
"operationName" : "DeleteInternetGateway",
"returnType" : {
  "returnType" : "DeleteInternetGatewayResult",
  "documentation" : null
  
  
  },
"syncReturnType" : "DeleteInternetGatewayResult"
},
"DeleteKeyPair" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteKeyPairResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteKeyPairResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteKeyPairRequest,DeleteKeyPairResult>",
  "asyncReturnType" : "DeleteKeyPairResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified key pair, by removing the public key from Amazon EC2.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteKeyPairRequest",
    "variableName" : "deleteKeyPairRequest",
    "variableType" : "DeleteKeyPairRequest",
    "documentation" : "<p>Contains the parameters for DeleteKeyPair.</p>",
    "simpleType" : "DeleteKeyPairRequest",
    "variableSetterType" : "DeleteKeyPairRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteKeyPair",
  "operationName" : "DeleteKeyPair",
  "returnType" : {
    "returnType" : "DeleteKeyPairResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteKeyPairResult"
},
"DeleteNatGateway" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNatGatewayResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNatGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNatGatewayRequest,DeleteNatGatewayResult>",
  "asyncReturnType" : "DeleteNatGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified NAT gateway. Deleting a NAT gateway disassociates its Elastic IP address, but does not release the address from your account. Deleting a NAT gateway does not delete any NAT gateway routes in your route tables.</p>",
  "exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteNatGatewayRequest",
  "variableName" : "deleteNatGatewayRequest",
  "variableType" : "DeleteNatGatewayRequest",
  "documentation" : "<p>Contains the parameters for DeleteNatGateway.</p>",
  "simpleType" : "DeleteNatGatewayRequest",
  "variableSetterType" : "DeleteNatGatewayRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteNatGateway",
"operationName" : "DeleteNatGateway",
"returnType" : {
  "returnType" : "DeleteNatGatewayResult",
  "documentation" : "<p>Contains the output of DeleteNatGateway.</p>"
},
"syncReturnType" : "DeleteNatGatewayResult"
},
"DeleteNetworkAcl" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkAclResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkAclResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkAclRequest, DeleteNetworkAclResult>",
  "asyncReturnType" : "DeleteNetworkAclResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified network ACL. You can't delete the ACL if it's associated with any subnets. You can't delete the default network ACL.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteNetworkAclRequest",
    "variableName" : "deleteNetworkAclRequest",
    "variableType" : "DeleteNetworkAclRequest",
    "documentation" : "<p>Contains the parameters for DeleteNetworkAcl.</p>",
    "simpleType" : "DeleteNetworkAclRequest",
    "variableSetterType" : "DeleteNetworkAclRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteNetworkAcl",
  "operationName" : "DeleteNetworkAcl",
  "returnType" : {
    "returnType" : "DeleteNetworkAclResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteNetworkAclResult"
},
"DeleteNetworkAclEntry" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkAclEntryResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkAclEntryResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkAclEntryRequest,
DeleteNetworkAclEntryResult>",
"asyncReturnType" : "DeleteNetworkAclEntryResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified ingress or egress entry (rule) from the specified network
ACL. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DeleteNetworkAclEntryRequest",
    "variableName" : "deleteNetworkAclEntryRequest",
    "variableType" : "DeleteNetworkAclEntryRequest",
    "documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry. </p>",
    "simpleType" : "DeleteNetworkAclEntryRequest",
    "variableSetterType" : "DeleteNetworkAclEntryRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteNetworkAclEntry",
"operationName" : "DeleteNetworkAclEntry",
"returnType" : {
    "returnType" : "DeleteNetworkAclEntryResult",
    "documentation" : null
},
"syncReturnType" : "DeleteNetworkAclEntryResult"
},
"DeleteNetworkInterface" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DeleteNetworkInterfaceResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DeleteNetworkInterfaceResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteNetworkInterfaceRequest,
DeleteNetworkInterfaceResult>",
    "asyncReturnType" : "DeleteNetworkInterfaceResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified network interface. You must detach the network interface before
you can delete it. </p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DeleteNetworkInterfaceRequest",
        "variableName" : "deleteNetworkInterfaceRequest",
        "variableType" : "DeleteNetworkInterfaceRequest",
        "documentation" : "<p>Contains the parameters for DeleteNetworkInterface. </p>",
        "simpleType" : "DeleteNetworkInterfaceRequest",
        "variableSetterType" : "DeleteNetworkInterfaceRequest"
    },
    "syncReturnTyp...
"inputStreamPropertyName" : null,
"methodName" : "deleteNetworkInterface",
"operationName" : "DeleteNetworkInterface",
"returnType" : {
  "returnType" : "DeleteNetworkInterfaceResult",
  "documentation" : null
},
"syncReturnType" : "DeleteNetworkInterfaceResult"
},
"DeletePlacementGroup" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeletePlacementGroupResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeletePlacementGroupResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeletePlacementGroupRequest,
DeletePlacementGroupResult>",
  "asyncReturnType" : "DeletePlacementGroupResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the specified placement group. You must terminate all instances in the placement group before you can delete the placement group. For more information about placement groups and cluster instances, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html" Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeletePlacementGroupRequest",
    "variableName" : "deletePlacementGroupRequest",
    "variableType" : "DeletePlacementGroupRequest",
    "documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
    "simpleType" : "DeletePlacementGroupRequest",
    "variableSetterType" : "DeletePlacementGroupRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deletePlacementGroup",
  "operationName" : "DeletePlacementGroup",
  "returnType" : {
    "returnType" : "DeletePlacementGroupResult",
    "documentation" : null
  },
  "syncReturnType" : "DeletePlacementGroupResult"
},
"DeleteRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteRouteRequest, DeleteRouteResult>",
  "asyncReturnType" : "DeleteRouteResult",
  "authenticated" : true,
  "deprecated" : false,
"documentation": "<p>Deletes the specified route from the specified route table.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "DeleteRouteRequest",
  "variableName": "deleteRouteRequest",
  "variableType": "DeleteRouteRequest",
  "documentation": "<p>Contains the parameters for DeleteRoute.</p>",
  "simpleType": "DeleteRouteRequest",
  "variableSetterType": "DeleteRouteRequest"
},
"inputStreamPropertyName": null,
"methodName": "deleteRoute",
"operationName": "DeleteRoute",
"returnType": {
  "returnType": "DeleteRouteResult",
  "documentation": null
},
"syncReturnType": "DeleteRouteResult"
},
"DeleteRouteTable": {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteRouteTableResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteRouteTableResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteRouteTableRequest, DeleteRouteTableResult>",
  "asyncReturnReturnType": "DeleteRouteTableResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes the specified route table. You must disassociate the route table from any subnets before you can delete it. You can't delete the main route table.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DeleteRouteTableRequest",
    "variableName": "deleteRouteTableRequest",
    "variableType": "DeleteRouteTableRequest",
    "documentation": "<p>Contains the parameters for DeleteRouteTable.</p>",
    "simpleType": "DeleteRouteTableRequest",
    "variableSetterType": "DeleteRouteTableRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "deleteRouteTable",
  "operationName": "DeleteRouteTable",
  "returnType": {
    "returnType": "DeleteRouteTableResult",
    "documentation": null
  },
  "syncReturnType": "DeleteRouteTableResult"
"DeleteSecurityGroup": {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteSecurityGroupResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteSecurityGroupResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteSecurityGroupRequest,
DeleteSecurityGroupResult>",
  "asyncReturnType": "DeleteSecurityGroupResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes a security group.</p> <p> If you attempt to delete a security group that is
associated with an instance, or is referenced by another security group, the operation fails with
<code>InvalidGroup.InUse</code> in EC2-Classic or <code>DependencyViolation</code> in EC2-VPC.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DeleteSecurityGroupRequest",
    "variableName": "deleteSecurityGroupRequest",
    "variableType": "DeleteSecurityGroupRequest",
    "documentation": "<p>Contains the parameters for DeleteSecurityGroup.</p>",
    "simpleType": "DeleteSecurityGroupRequest",
    "variableSetterType": "DeleteSecurityGroupRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "deleteSecurityGroup",
  "operationName": "DeleteSecurityGroup",
  "returnType": {
    "returnType": "DeleteSecurityGroupResult",
    "documentation": null
  },
  "syncReturnType": "DeleteSecurityGroupResult"
},
"DeleteSnapshot": {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteSnapshotResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteSnapshotResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteSnapshotRequest,
DeleteSnapshotResult>",
  "asyncReturnType": "DeleteSnapshotResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes the specified snapshot.</p> <p> When you make periodic snapshots of a volume,
the snapshots are incremental, and only the blocks on the device that have changed since your last snapshot are
saved in the new snapshot. When you delete a snapshot, only the data not needed for any other snapshot is removed.
So regardless of which prior snapshots have been deleted, all active snapshots will have access to all the information
needed to restore the volume.</p> <p> You cannot delete a snapshot of the root device of an EBS volume used by a
registered AMI. You must first de-register the AMI before you can delete the snapshot.</p> <p>For more
information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-
snapshot.html">Deleting an Amazon EBS Snapshot</a> in the <i>Amazon Elastic Compute Cloud User
Guide</i>.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DeleteSnapshotRequest",
  "variableName" : "deleteSnapshotRequest",
  "variableType" : "DeleteSnapshotRequest",
  "documentation" : "<p>Contains the parameters for DeleteSnapshot.</p>",
  "simpleType" : "DeleteSnapshotRequest",
  "variableSetterType" : "DeleteSnapshotRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteSnapshot",
"operationName" : "DeleteSnapshot",
"returnType" : {
  "returnType" : "DeleteSnapshotResult",
  "documentation" : null
},
"syncReturnType" : "DeleteSnapshotResult"
},
"DeleteSpotDatafeedSubscription" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DeleteSpotDatafeedSubscriptionResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DeleteSpotDatafeedSubscriptionResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteSpotDatafeedSubscriptionRequest,
  DeleteSpotDatafeedSubscriptionResult>",
  "asyncReturnType" : "DeleteSpotDatafeedSubscriptionResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Deletes the data feed for Spot instances.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteSpotDatafeedSubscriptionRequest",
    "variableName" : "deleteSpotDatafeedSubscriptionRequest",
    "variableType" : "DeleteSpotDatafeedSubscriptionRequest",
    "documentation" : "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p>",
    "simpleType" : "DeleteSpotDatafeedSubscriptionRequest",
    "variableSetterType" : "DeleteSpotDatafeedSubscriptionRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "deleteSpotDatafeedSubscription",
  "operationName" : "DeleteSpotDatafeedSubscription",
  "returnType" : {
    "returnType" : "DeleteSpotDatafeedSubscriptionResult",
    "documentation" : null
  },
  "syncReturnType" : "DeleteSpotDatafeedSubscriptionResult"
},
"DeleteSubnet" : {

"asyncCallableType" : "java.util.concurrent.Callable<DeleteSubnetResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteSubnetResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteSubnetRequest, DeleteSubnetResult>",
"asyncReturnType" : "DeleteSubnetResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified subnet. You must terminate all running instances in the subnet before you can delete the subnet.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DeleteSubnetRequest",
"variableName" : "deleteSubnetRequest",
"variableType" : "DeleteSubnetRequest",
"documentation" : "<p>Contains the parameters for DeleteSubnet.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteSubnet",
"operationName" : "DeleteSubnet",
"returnType" : {
"returnType" : "DeleteSubnetResult",
"documentation" : null
},
"syncReturnType" : "DeleteSubnetResult"
},
"DeleteTags" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeleteTagsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteTagsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteTagsRequest, DeleteTagsResult>",
"asyncReturnType" : "DeleteTagsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified set of tags from the specified set of resources. This call is designed to follow a <code>DescribeTags</code> request.</p><p>For more information about tags, see <a href="/http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DeleteTagsRequest",
"variableName" : "deleteTagsRequest",
"variableType" : "DeleteTagsRequest",
"documentation" : "<p>Contains the parameters for DeleteTags.</p>"
},
"simpleType" : "DeleteTagsRequest",
"variableSetterType" : "DeleteTagsRequest"
"inputStreamPropertyName" : null,
"methodName" : "deleteTags",
"operationName" : "DeleteTags",
"returnType" : {
   "returnType" : "DeleteTagsResult",
   "documentation" : null
},
"syncReturnType" : "DeleteTagsResult"
},
"DeleteVolume" : {
   "asyncCallableType" : "java.util.concurrent.Callable<DeleteVolumeResult>",
   "asyncFutureType" : "java.util.concurrent.Future<DeleteVolumeResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVolumeRequest, DeleteVolumeResult>",
   "asyncReturn-type" : "DeleteVolumeResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Deletes the specified EBS volume. The volume must be in the <code>available</code> state (not attached to an instance).<p> <note> <p>The volume may remain in the <code>deleting</code> state for several minutes.</p> </note> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-volume.html">Deleting an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>”,
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
   "variableDeclarationType" : "DeleteVolumeRequest",
   "variableName" : "deleteVolumeRequest",
   "variableType" : "DeleteVolumeRequest",
   "documentation" : "<p>Contains the parameters for DeleteVolume.<p>”,
   "simpleType" : "DeleteVolumeRequest",
   "variableSetterType" : "DeleteVolumeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteVolume",
"operationName" : "DeleteVolume",
"returnType" : {
   "returnType" : "DeleteVolumeResult",
   "documentation" : null
},
"syncReturnType" : "DeleteVolumeResult"
},
"DeleteVpc" : {
   "asyncCallableType" : "java.util.concurrent.Callable<DeleteVpcResult>",
   "asyncFutureType" : "java.util.concurrent.Future<DeleteVpcResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpcRequest, DeleteVpcResult>",
   "asyncReturnType" : "DeleteVpcResult",
   "authenticated" : true,
   "deprecated" : false,
Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.

Documentation:

```
<p>Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.</p>
```

Exceptions:

```
Exceptions: null
```

Input:

```
Input: {
  "variableDeclarationType": "DeleteVpcRequest",
  "variableName": "deleteVpcRequest",
  "variableType": "DeleteVpcRequest",
  "documentation": "Contains the parameters for DeleteVpc."
}
```

InputStreamPropertyName:

```
InputStreamPropertyName: null
```

MethodName:

```
MethodName: "deleteVpc",
```

OperationName:

```
OperationName: "DeleteVpc",
```

ReturnType:

```
ReturnType: "DeleteVpcResult",
```

SyncReturnType:

```
SyncReturnType: "DeleteVpcResult"
```

DeleteVpcEndpoints:

```
DeleteVpcEndpoints: {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteVpcEndpointsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteVpcEndpointsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteVpcEndpointsRequest, DeleteVpcEndpointsResult>",
  "asyncReturnReturnType": "DeleteVpcEndpointsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "Deletes one or more specified VPC endpoints. Deleting the endpoint also deletes the endpoint routes in the route tables that were associated with the endpoint."
}
```

Exceptions:

```
Exceptions: null
```

Input:

```
Input: {
  "variableDeclarationType": "DeleteVpcEndpointsRequest",
  "variableName": "deleteVpcEndpointsRequest",
  "variableType": "DeleteVpcEndpointsRequest",
  "documentation": "Contains the parameters for DeleteVpcEndpoints."
}
```

InputStreamPropertyName:

```
InputStreamPropertyName: null
```

MethodName:

```
MethodName: "deleteVpcEndpoints",
```

OperationName:

```
OperationName: "DeleteVpcEndpoints",
```

ReturnType:

```
ReturnType: "DeleteVpcEndpointsResult",
```

SyncReturnType:

```
SyncReturnType: "DeleteVpcEndpointsResult"
```

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"documentation" : "<p>Contains the output of DeleteVpcEndpoints.</p>"},
"syncReturnType" : "DeleteVpcEndpointsResult"
},
"DeleteVpcPeeringConnection" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeleteVpcPeeringConnectionResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteVpcPeeringConnectionResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpcPeeringConnectionRequest,
DeleteVpcPeeringConnectionResult>",
"asyncReturnType" : "DeleteVpcPeeringConnectionResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes a VPC peering connection. Either the owner of the requester VPC or the owner of the peer VPC can delete the VPC peering connection if it's in the <code>active</code> state. The owner of the requester VPC can delete a VPC peering connection in the <code>pending-acceptance</code> state. </p>"},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DeleteVpcPeeringConnectionRequest",
"variableName" : "deleteVpcPeeringConnectionRequest",
"variableType" : "DeleteVpcPeeringConnectionRequest",
"documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>",
"simpleType" : "DeleteVpcPeeringConnectionRequest",
"variableSetterType" : "DeleteVpcPeeringConnectionRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "deleteVpcPeeringConnection",
"operationName" : "DeleteVpcPeeringConnection",
"returnType" : {
"returnType" : "DeleteVpcPeeringConnectionResult",
"documentation" : "<p>Contains the output of DeleteVpcPeeringConnection.</p>"},
"syncReturnType" : "DeleteVpcPeeringConnectionResult"
},
"DeleteVpnConnection" : {
"asyncCallableType" : "java.util.concurrent.Callable<DeleteVpnConnectionResult>",
"asyncFutureType" : "java.util.concurrent.Future<DeleteVpnConnectionResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DeleteVpnConnectionRequest,
DeleteVpnConnectionResult>",
"asyncReturnType" : "DeleteVpnConnectionResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Deletes the specified VPN connection.</p>"

If you're deleting the VPC and its associated components, we recommend that you detach the virtual private gateway from the VPC and delete the VPC before deleting the VPN connection. If you believe that the tunnel credentials for your VPN connection have been compromised, you can delete the VPN connection and create a new one that has new keys, without needing to delete the VPC or virtual private gateway. If you create a new VPN connection, you must reconfigure the customer gateway using the new configuration information returned with the new VPN connection ID."
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "DeleteVpnConnectionRequest",
  "variableName": "deleteVpnConnectionRequest",
  "variableType": "DeleteVpnConnectionRequest",
  "documentation": "<p>Contains the parameters for DeleteVpnConnection.</p>",
  "simpleType": "DeleteVpnConnectionRequest",
  "variableSetterType": "DeleteVpnConnectionRequest"
},
"inputStreamPropertyName": null,
"methodName": "deleteVpnConnection",
"operationName": "DeleteVpnConnection",
"returnType": {
  "returnType": "DeleteVpnConnectionResult",
  "documentation": null
},
"syncReturnType": "DeleteVpnConnectionResult"
},
"DeleteVpnConnectionRoute": {
  "asyncCallableType": "java.util.concurrent.Callable<DeleteVpnConnectionRouteResult>",
  "asyncFutureType": "java.util.concurrent.Future<DeleteVpnConnectionRouteResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DeleteVpnConnectionRouteRequest, DeleteVpnConnectionRouteRouteResult>",
  "asyncReturnType": "DeleteVpnConnectionRouteResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "simpleType": "DeleteVpnConnectionRouteRequest",
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    "documentation": null
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  "syncReturnType": "DeleteVpnConnectionRouteResult"
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  "asyncReturn_type": "DeleteVpnGatewayResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deletes the specified virtual private gateway. We recommend that before you delete a virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.</p>",
  "exceptions": null,
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    "simpleType": "DeleteVpnGatewayRequest",
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  "operationName": "DeleteVpnGateway",
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    "documentation": null
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  "syncReturnType": "DeleteVpnGatewayResult"
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"DeregisterImage": {
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  "asyncReturn_type": "DeregisterImageResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Deregisters the specified AMI. After you deregister an AMI, it can't be used to launch new instances.</p> This command does not delete the AMI.",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
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  "inputStreamPropertyName": null,
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    "documentation": null
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"documentation" : "<p>Contains the parameters for DeregisterImage.</p>",
"simpleType" : "DeregisterImageRequest",
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  "documentation" : null
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"syncReturnType" : "DeregisterImageResult"
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeAccountAttributesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAccountAttributesRequest,
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  "asyncReturnTyp
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeAddressesResult> ",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAddressesRequest, DescribeAddressesResult> ",
  "asyncReturnType" : "DescribeAddressesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your Elastic IP addresses.</p> An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide./p>",
  "exceptions" : null,
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    "variableSetterType" : "DescribeAddressesRequest" 
  },
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  "methodName" : "describeAddresses",
  "operationName" : "DescribeAddresses",
  "returnType" : {
    "returnType" : "DescribeAddressesResult",
    "documentation" : "<p>Contains the output of DescribeAddresses.</p>",
  },
  "syncReturnType" : "DescribeAddressesResult"
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeAvailabilityZonesRequest, DescribeAvailabilityZonesResult> ",
  "asyncReturnType" : "DescribeAvailabilityZonesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of the Availability Zones that are available to you. The results include zones only for the region you're currently using. If there is an event impacting an Availability Zone, you can use this request to view the state and any provided message for that Availability Zone.</p> For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html">Regions and Availability Zones</a> in the Amazon Elastic Compute Cloud User Guide./p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {

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"documentation" : "<p>Contains the parameters for DescribeAvailabilityZones.</p>",
"simpleType" : "DescribeAvailabilityZonesRequest",
"variableSetterType" : "DescribeAvailabilityZonesRequest"
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"operationName" : "DescribeAvailabilityZones",
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   "documentation" : "<p>Contains the output of DescribeAvailabilityZones.</p>
   
   "syncReturnType" : "DescribeAvailabilityZonesResult"
   
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   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeBundleTasksRequest,
DescribeBundleTasksResult>",
   "asyncReturnType" : "DescribeBundleTasksResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Describes one or more of your bundling tasks.</p> <note> <p>Completed bundle tasks are listed for only a limited time. If your bundle task is no longer in the list, you can still register an AMI from it. Just use <code>RegisterImage</code> with the Amazon S3 bucket name and image manifest name you provided to the bundle task.</p> </note>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
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   "documentation" : "<p>Contains the output of DescribeBundleTasks.</p>
   
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"Open Source Used In Virtualized Voice Browser 12.6(1) 19365"
"asyncCallableType" : "java.util.concurrent.Callable<DescribeClassicLinkInstancesResult>",
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"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeClassicLinkInstancesRequest,
DescribeClassicLinkInstancesResult>",
"asyncReturnType" : "DescribeClassicLinkInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your linked EC2-Classic instances. This request only returns
information about EC2-Classic instances linked to a VPC through ClassicLink; you cannot use this request to return
information about other instances.</p>",
"exceptions" : null,
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  "simpleType" : "DescribeClassicLinkInstancesRequest",
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  "documentation" : "<p>Contains the output of DescribeClassicLinkInstances.</p>
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"DescribeConversionTasks" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeConversionTasksResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeConversionTasksRequest,
DescribeConversionTasksResult>",
  "asyncReturnType" : "DescribeConversionTasksResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your conversion tasks. For more information, see the <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/">VM Import/Export User Guide</a>
  For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import
Manifest</a>.<p>".
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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DescribeDhcpOptionsRequest",
"asyncReturnType" : "DescribeDhcpOptionsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your DHCP options sets.</p> For more information about DHCP options sets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
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"variable SetterType" : " DescribeDhcpOptionsRequest"
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"methodName" : "describeDhcpOptions",
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"returnType" : {
"returnType" : "DescribeDhcpOptionsResult",
"documentation" : "<p>Contains the output of DescribeDhcpOptions.</p>",
"syncReturnType" : "DescribeDhcpOptionsResult"
},
"DescribeEgressOnlyInternetGateways" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeEgressOnlyInternetGatewaysResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeEgressOnlyInternetGatewaysResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeEgressOnlyInternetGatewaysRequest,DescribeEgressOnlyInternetGatewaysResult>",
"asyncReturnType" : "DescribeEgressOnlyInternetGatewaysResult",
"authenticated" : true,
"deprecated" : false,
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"operationName" : "DescribeEgressOnlyInternetGateways",
"returnType" : {
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    "documentation" : null
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"syncReturnType" : "DescribeEgressOnlyInternetGatewaysResult"
},
"DescribeExportTasks" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DescribeExportTasksResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeExportTasksRequest, DescribeExportTasksResult>",
    "asyncReturnType" : "DescribeExportTasksResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your export tasks.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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        "documentation" : "<p>Contains the output for DescribeExportTasks.</p>"
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    "syncReturnType" : "DescribeExportTasksResult"
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"DescribeFlowLogs" : {
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    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeFlowLogsRequest, DescribeFlowLogsResult>",
    "asyncReturnType" : "DescribeFlowLogsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more flow logs. To view the information in your flow logs (the log streams for the network interfaces), you must use the CloudWatch Logs console or the CloudWatch Logs API.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
"input" : {
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    "simpleType" : "DescribeFlowLogsRequest",
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"methodName" : "describeFlowLogs",
"operationName" : "DescribeFlowLogs",
"returnType" : {
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    "documentation" : "<p>Contains the output of DescribeFlowLogs.</p>"
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"syncReturnType" : "DescribeFlowLogsResult"
},
"DescribeHostReservationOfferings" : {
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    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeHostReservationOfferingsRequest,
DescribeHostReservationOfferingsResult>",
    "asyncReturnReturnType" : "DescribeHostReservationOfferingsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the Dedicated Host Reservations that are available to purchase.</p>
<p>The results describe all the Dedicated Host Reservation offerings, including offerings that may not match the instance family and region of your Dedicated Hosts. When purchasing an offering, ensure that the the instance family and region of the offering matches that of the Dedicated Host/s it will be associated with. For an overview of supported instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-hosts-overview.html">Dedicated Hosts Overview</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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        "variableSetterType" : "DescribeHostReservationOfferingsRequest"
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    "operationName" : "DescribeHostReservationOfferings",
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"DescribeHostReservations" : {
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"asyncFutureType" : "java.util.concurrent.Future<DescribeHostReservationResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeHostReservationRequest,
DescribeHostReservationResult>",
"asyncReturnType" : "DescribeHostReservationResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes Dedicated Host Reservations which are associated with Dedicated Hosts in
your account. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableType" : "DescribeHostReservationRequest",
"documentation" : "",
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"operationName" : "DescribeHostReservation",
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"returnType" : "DescribeHostReservationResult",
"documentation" : null
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"syncReturnType" : "DescribeHostReservationResult" 
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"asyncFutureType" : "java.util.concurrent.Future<DescribeHostsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeHostsRequest,
DescribeHostsResult>",
"asyncReturnType" : "DescribeHostsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your Dedicated Hosts. </p> <p>The results describe only the
Dedicated Hosts in the region you're currently using. All listed instances consume capacity on your Dedicated Host.
Dedicated Hosts that have recently been released will be listed with the state </code>released</code>. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableType" : "DescribeHostsRequest",
"documentation" : "",}
"documentation" : "<p>Contains the parameters for DescribeHosts.</p>",
"simpleType" : "DescribeHostsRequest",
"variableSetterType" : "DescribeHostsRequest"
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"inputStreamPropertyName" : null,
"methodName" : "describeHosts",
"operationName" : "DescribeHosts",
"returnType" : {
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    "documentation" : "<p>Contains the output of DescribeHosts.</p>"
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"syncReturnType" : "DescribeHostsResult"
}],
"DescribeIamInstanceProfileAssociations" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeIamInstanceProfileAssociationsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeIamInstanceProfileAssociationsResult>",
    "asyncHandlerType" :
        "com.amazonaws.handlers.AsyncHandler<DescribeIamInstanceProfileAssociationsRequest,
DescribeIamInstanceProfileAssociationsResult>",
    "asyncReturnType" : "DescribeIamInstanceProfileAssociationsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes your IAM instance profile associations.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "documentation" : "",
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        "variableSetterType" : "DescribeIamInstanceProfileAssociationsRequest"
    },
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    "methodName" : "describeIamInstanceProfileAssociations",
    "operationName" : "DescribeIamInstanceProfileAssociations",
    "returnType" : {
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        "documentation" : null
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    "syncReturnType" : "DescribeIamInstanceProfileAssociationsResult"
}],
"DescribeIdFormat" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeIdFormatResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeIdFormatResult>",
    "asyncHandlerType" :
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DescribeIdFormatResult>",
    "asyncReturnType" : "DescribeIdFormatResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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        "variableType" : "DescribeIdFormatRequest",
        "documentation" : "",
        "simpleType" : "DescribeIdFormatRequest",
        "variableSetterType" : "DescribeIdFormatRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "describeIdFormat",
    "operationName" : "DescribeIdFormat",
    "returnType" : {
        "returnType" : "DescribeIdFormatResult",
        "documentation" : null
    },
    "syncReturnType" : "DescribeIdFormatResult"}
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.</p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. </p> <p>These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeIdFormatRequest",
  "variableName" : "describeIdFormatRequest",
  "variableType" : "DescribeIdFormatRequest",
  "documentation" : "<p>Contains the parameters for DescribeIdFormat.</p>",
  "simpleType" : "DescribeIdFormatRequest",
  "variableSetterType" : "DescribeIdFormatRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeIdFormat",
"operationName" : "DescribeIdFormat",
"returnType" : {
  "returnType" : "DescribeIdFormatResult",
  "documentation" : "<p>Contains the output of DescribeIdFormat.</p>",
  "syncReturnType" : "DescribeIdFormatResult"
},
"DescribeIdentityIdFormat" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeIdentityIdFormatResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeIdentityIdFormatResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeIdentityIdFormatRequest, DescribeIdentityIdFormatResult>",
  "asyncReturnType" : "DescribeIdentityIdFormatResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the ID format settings for resources for the specified IAM user, IAM role, or root user. For example, you can view the resource types that are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide.</p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. </p> <p>These settings apply to the principal specified in the request. They do not apply to the principal that makes the request.</p>",
  "exceptions" : null,
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"documentation" : "<p>Contains the parameters for DescribeIdentityIdFormat.</p>",
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"operationName" : "DescribeIdentityIdFormat",
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"documentation" : "<p>Contains the output of DescribeIdentityIdFormat.</p>"
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"syncReturnType" : "DescribeIdentityIdFormatResult"
},
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"asyncReturnType" : "DescribeImageAttributeResult",
"authenticated" : true,
"deprecated" : false,
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"operationName" : "DescribeImageAttribute",
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"documentation" : "A simple result wrapper around the ImageAttribute object that was sent over the wire."]
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"syncReturnType" : "DescribeImageAttributeResult"
},
"DescribeImages" : {
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"documentation" : "<p>Contains the parameters for DescribeImageAttribute.</p>",
"simpleType" : "DescribeImageAttributeRequest",
"variableSetterType" : "DescribeImageAttributeRequest"
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"returnType" : "DescribeImageAttributeResult",
"documentation" : "A simple result wrapper around the ImageAttribute object that was sent over the wire."]
},
"syncReturnType" : "DescribeImageAttributeResult"
}

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"asyncCallableType" : "java.util.concurrent.Callable<DescribeImagesResult>",
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"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImagesRequest, DescribeImagesResult>",
"asyncReturnType" : "DescribeImagesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of the images (AMIs, AKIs, and ARIs) available to you. Images available to you include public images, private images that you own, and private images owned by other AWS accounts but for which you have explicit launch permissions.</p> <note> <p>Deregistered images are included in the returned results for an unspecified interval after deregistration.</p> </note>",
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  "syncReturnType" : "DescribeImagesResult"}.
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImportImageTasksRequest, DescribeImportImageTasksResult>",
  "asyncReturnType" : "DescribeImportImageTasksResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Displays details about an import virtual machine or import snapshot tasks that are already created.</p>",
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  "hasBlobMemberAsPayload" : false,
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"Open Source Used In Virtualized Voice Browser 12.6(1) 19375
"variableSetterType" : "DescribeImportImageTasksRequest",
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"syncReturnTypet" : "DescribeImportImageTasksResult"
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeImportSnapshotTasksRequest, DescribeImportSnapshotTasksResult>",
  "asyncReturnTypet" : "DescribeImportSnapshotTasksResult",
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  "deprecated" : false,
  "documentation" : "<p>Describes your import snapshot tasks. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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  },
  "syncReturnTypet" : "DescribeImportSnapshotTasksResult"
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"DescribeInstanceAttribute" : {
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  "asyncReturnTypet" : "DescribeInstanceAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the specified attribute of the specified instance. You can specify only one
attribute at a time. Valid attribute values are: `<code>instanceType</code> | `<code>kernel</code> | `<code>ramdisk</code> | `<code>userData</code> | `<code>disableApiTermination</code> | `<code>instanceInitiatedShutdownBehavior</code> | `<code>rootDeviceName</code> | `<code>blockDeviceMapping</code> | `<code>productCodes</code> | `<code>sourceDestCheck</code> | `<code>groupSet</code> | `<code>ebsOptimized</code> | `<code>sriovNetSupport</code>`.

```
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"variableSetterType" : "DescribeInstanceAttributeRequest"
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  "documentation" : "A simple result wrapper around the InstanceAttribute object that was sent over the wire."
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"syncReturnType" : "DescribeInstanceAttributeResult"
},
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  "asyncCallableType" : "java.util.concurrent.Callable<DescribeInstanceStatusResult>",
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeInstanceStatusRequest,
DescribeInstanceStatusResult>",
  "asyncReturnType" : "DescribeInstanceStatusResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Describes the status of one or more instances. By default, only running instances are described, unless specified otherwise.
Instance status includes the following components:
- Status checks
- Scheduled events
- Instance state
- You can manage your instances from the moment you launch them through their termination. For more information, see "".
```

"exceptions": null,
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},
"inputStreamPropertyName": null,
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"operationName": "DescribeInstanceStatus",
"returnType": {
   "returnType": "DescribeInstanceStatusResult",
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"syncReturnType": "DescribeInstanceStatusResult"
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"DescribeInstances": {
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   "asyncReturn-type": "DescribeInstancesResult",
   "authenticated": true,
   "deprecated": false,
   "documentation": "<p>Describes one or more of your instances.</p> <p>If you specify one or more instance IDs, Amazon EC2 returns information for those instances. If you do not specify instance IDs, Amazon EC2 returns information for all relevant instances. If you specify an instance ID that is not valid, an error is returned. If you specify an instance that you do not own, it is not included in the returned results.</p> <p>Recently terminated instances might appear in the returned results. This interval is usually less than one hour.</p> <p>If you describe instances in the rare case where an Availability Zone is experiencing a service disruption and you specify instance IDs that are in the affected zone, or do not specify any instance IDs at all, the call fails. If you describe instances and specify only instance IDs that are in an unaffected zone, the call works normally.</p>";
"exceptions": null,
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},
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DescribeInternetGatewaysResult>",
    "asyncReturnType" : "DescribeInternetGatewaysResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your Internet gateways.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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    },
    "syncReturnType" : "DescribeInternetGatewaysResult"
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"DescribeKeyPairs" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DescribeKeyPairsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeKeyPairsRequest,
DescribeKeyPairsResult>",
    "asyncReturnType" : "DescribeKeyPairsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your key pairs.</p> <p>For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "exceptions" : null,
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"syncReturnType" : "DescribeKeyPairsResult"
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"DescribeMovingAddresses" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeMovingAddressesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeMovingAddressesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeMovingAddressesRequest, DescribeMovingAddressesResult>",
  "asyncReturnType" : "DescribeMovingAddressesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your Elastic IP addresses that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other Elastic IP addresses in your account.</p>"
},
"exceptions" : null,
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  "simpleType" : "DescribeMovingAddressesRequest",
  "variableSetterType" : "DescribeMovingAddressesRequest"
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"returnType" : {
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"syncReturnType" : "DescribeMovingAddressesResult"
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNatGatewaysRequest, DescribeNatGatewaysResult>",
  "asyncReturnType" : "DescribeNatGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your NAT gateways and their Elastic IPs that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other NAT gateways in your account.</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "simpleType" : "DescribeNatGatewaysRequest",
  "variableSetterType" : "DescribeNatGatewaysRequest"
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"returnType" : {
  "returnType" : "DescribeNatGatewaysResult",
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"syncReturnType" : "DescribeNatGatewaysResult"
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeNatGatewaysResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNatGatewaysRequest, DescribeNatGatewaysResult>",
  "asyncReturnType" : "DescribeNatGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your NAT gateways and their Elastic IPs that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other NAT gateways in your account.</p>"
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  "simpleType" : "DescribeNatGatewaysRequest",
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"syncReturnType" : "DescribeNatGatewaysResult"
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  "asyncReturnType" : "DescribeNatGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your NAT gateways and their Elastic IPs that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other NAT gateways in your account.</p>"
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"exceptions" : null,
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"syncReturnType" : "DescribeNatGatewaysResult"
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNatGatewaysRequest, DescribeNatGatewaysResult>",
  "asyncReturnType" : "DescribeNatGatewaysResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes your NAT gateways and their Elastic IPs that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other NAT gateways in your account.</p>"
},
"exceptions" : null,
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  "documentation" : "<p>Contains the parameters for DescribeNatGateways.</p>",
  "simpleType" : "DescribeNatGatewaysRequest",
  "variableSetterType" : "DescribeNatGatewaysRequest"
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"asyncReturnType" : "DescribeNatGatewaysResult",
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"deprecated" : false,
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"hasBlobMemberAsPayload" : false,
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  "variableType" : "DescribeNatGatewaysRequest",
  "documentation" : "<p>Contains the parameters for DescribeNatGateways.</p>",
  "simpleType" : "DescribeNatGatewaysRequest",
  "variableSetterType" : "DescribeNatGatewaysRequest"
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"inputStreamPropertyName" : null,
"methodName" : "describeNatGateways",
"operationName" : "DescribeNatGateways",
"returnType" : {
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  "documentation" : "<p>Contains the output of DescribeNatGateways.</p>",
  "simpleType" : "DescribeNatGatewaysResult",
  "variableSetterType" : "DescribeNatGatewaysRequest"
},
"syncReturnType" : "DescribeNatGatewaysResult"
},
"DescribeNetworkAcls" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeNetworkAclsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeNetworkAclsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkAclsRequest, DescribeNetworkAclsResult>",
  "asyncReturnType" : "DescribeNetworkAclsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your network ACLs.</p> <p>For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
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    "variableType" : "DescribeNetworkAclsRequest",
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"operationName" : "DescribeNetworkAcls",
"returnType" : {
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   "syncReturnType" : "DescribeNetworkAclsResult"
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"DescribeNetworkInterfaceAttribute" : {
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   "asyncFutureType" : "java.util.concurrent.Future<DescribeNetworkInterfaceAttributeResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkInterfaceAttributeRequest,
DescribeNetworkInterfaceAttributeResult>",
   "asyncReturnType" : "DescribeNetworkInterfaceAttributeResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Describes a network interface attribute. You can specify only one attribute at a
time.</p>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
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      "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute.</p>",
      "simpleType" : "DescribeNetworkInterfaceAttributeRequest",
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   "operationName" : "DescribeNetworkInterfaceAttribute",
   "returnType" : {
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      "documentation" : "<p>Contains the output of DescribeNetworkInterfaceAttribute.</p>",
      "syncReturnType" : "DescribeNetworkInterfaceAttributeResult"
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   "DescribeNetworkInterfaces" : {
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      "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeNetworkInterfacesRequest,
DescribeNetworkInterfacesResult>",
      "asyncReturnType" : "DescribeNetworkInterfacesResult",
      "authenticated" : true,
      "deprecated" : false,
      "documentation" : "<p>Describes one or more of your network interfaces.</p>",
      "exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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    "variableType" : "DescribeNetworkInterfacesRequest",
    "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaces.</p>",
    "simpleType" : "DescribeNetworkInterfacesRequest",
    "variableSetterType" : "DescribeNetworkInterfacesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeNetworkInterfaces",
"operationName" : "DescribeNetworkInterfaces",
"returnType" : {
    "returnType" : "DescribeNetworkInterfacesResult",
    "documentation" : "<p>Contains the output of DescribeNetworkInterfaces.</p>"
},
"syncReturnType" : "DescribeNetworkInterfacesResult"
},
"DescribePlacementGroups" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribePlacementGroupsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribePlacementGroupsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribePlacementGroupsRequest, DescribePlacementGroupsResult>",
    "asyncReturnReturnType" : "DescribePlacementGroupsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes one or more of your placement groups. For more information about placement
groups and cluster instances, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html"&gt;Cluster
Instances&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "DescribePlacementGroupsRequest",
        "documentation" : "<p>Contains the parameters for DescribePlacementGroups.</p>",
        "simpleType" : "DescribePlacementGroupsRequest",
        "variableSetterType" : "DescribePlacementGroupsRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "describePlacementGroups",
    "operationName" : "DescribePlacementGroups",
    "returnType" : {
        "returnType" : "DescribePlacementGroupsResult",
        "documentation" : "<p>Contains the output of DescribePlacementGroups.</p>"
    },
    "syncReturnType" : "DescribePlacementGroupsResult"
"DescribePrefixLists": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribePrefixListsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribePrefixListsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribePrefixListsRequest,
DescribePrefixListsResult>",
  "asyncReturnType": "DescribePrefixListsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes available AWS services in a prefix list format, which includes the prefix list name and prefix list ID of the service and the IP address range for the service. A prefix list ID is required for creating an outbound security group rule that allows traffic from a VPC to access an AWS service through a VPC endpoint.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableType": "DescribePrefixListsRequest",
    "documentation": "<p>Contains the parameters for DescribePrefixLists.</p>",
    "simpleType": "DescribePrefixListsRequest",
    "variableSetterType": "DescribePrefixListsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describePrefixLists",
  "operationName": "DescribePrefixLists",
  "returnType": {
    "returnType": "DescribePrefixListsResult",
    "documentation": "<p>Contains the output of DescribePrefixLists.</p>"
  },
  "syncReturnType": "DescribePrefixListsResult"
},

"DescribeRegions": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeRegionsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeRegionsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeRegionsRequest,
DescribeRegionsResult>",
  "asyncReturnType": "DescribeRegionsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Describes one or more regions that are currently available to you.</p> <p>For a list of the regions supported by Amazon EC2, see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html#ec2_region">Regions and Endpoints</a>.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DescribeRegionsRequest",
    "variableName": "describeRegionsRequest",
    "variableType": "DescribeRegionsRequest",
    "documentation": "<p>Contains the parameters for DescribeRegions.</p>",
    "simpleType": "DescribeRegionsRequest",
    "variableSetterType": "DescribeRegionsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describeRegions",
  "operationName": "DescribeRegions",
  "returnType": {
    "returnType": "DescribeRegionsResult",
    "documentation": "<p>Contains the output of DescribeRegions.</p>"
  },
  "syncReturnType": "DescribeRegionsResult"
"variableType": "DescribeRegionsRequest",
"documentation": "<p>Contains the parameters for DescribeRegions.</p>",
"simpleType": "DescribeRegionsRequest",
"variableSetterType": "DescribeRegionsRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeRegions",
"operationName": "DescribeRegions",
"returnType": {
"returnType": "DescribeRegionsResult",
"documentation": "<p>Contains the output of DescribeRegions.</p>"
}
,"syncReturnType": "DescribeRegionsResult"
},
"DescribeReservedInstances": {
"asyncCallableType": "java.util.concurrent.Callable<DescribeReservedInstancesResult>",
"asyncFutureType": "java.util.concurrent.Future<DescribeReservedInstancesResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesRequest, DescribeReservedInstancesResult>",
"asyncReturnType": "DescribeReservedInstancesResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Describes one or more of the Reserved Instances that you purchased.</p> <p>For more information about Reserved Instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "DescribeReservedInstancesRequest",
"variableName": "describeReservedInstancesRequest",
"variableType": "DescribeReservedInstancesRequest",
"documentation": "<p>Contains the parameters for DescribeReservedInstances.</p>",
"simpleType": "DescribeReservedInstancesRequest",
"variableSetterType": "DescribeReservedInstancesRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeReservedInstances",
"operationName": "DescribeReservedInstances",
"returnType": {
"returnType": "DescribeReservedInstancesResult",
"documentation": "<p>Contains the output for DescribeReservedInstances.</p>"
}
,"syncReturnType": "DescribeReservedInstancesResult"
},
"DescribeReservedInstancesListings": {
"asyncCallableType": "java.util.concurrent.Callable<DescribeReservedInstancesListingsResult>",
"asyncFutureType": "java.util.concurrent.Future<DescribeReservedInstancesListingsResult>",
"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesListingsRequest, DescribeReservedInstancesListingsResult>",
"asyncReturnType": "DescribeReservedInstancesListingsResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Describes the list of Reserved Instances that you purchased.</p> <p>For more information about Reserved Instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "DescribeReservedInstancesListingsRequest",
"variableName": "describeReservedInstancesListingsRequest",
"variableType": "DescribeReservedInstancesListingsRequest",
"documentation": "<p>Contains the parameters for DescribeReservedInstancesListings.</p>",
"simpleType": "DescribeReservedInstancesListingsRequest",
"variableSetterType": "DescribeReservedInstancesListingsRequest"
},
"inputStreamPropertyName": null,
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesListingsRequest, DescribeReservedInstancesListingsResult>",
"asyncReturnType" : "DescribeReservedInstancesListingsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes your account's Reserved Instance listings in the Reserved Instance Marketplace.</p> <p>The Reserved Instance Marketplace matches sellers who want to resell Reserved Instance capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances. As a seller, you choose to list some or all of your Reserved Instances, and you specify the upfront price to receive for them. Your Reserved Instances are then listed in the Reserved Instance Marketplace and are available for purchase. As a buyer, you specify the configuration of the Reserved Instance to purchase, and the Marketplace matches what you're searching for with what's available. The Marketplace first sells the lowest priced Reserved Instances to you, and continues to sell available Reserved Instance listings to you until your demand is met. You are charged based on the total price of all of the listings that you purchase.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> 

 "exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
 "variableDeclarationType" : "DescribeReservedInstancesListingsRequest",
 "variableName" : "describeReservedInstancesListingsRequest",
 "variableType" : "DescribeReservedInstancesListingsRequest",
 "documentation" : "Contains the parameters for DescribeReservedInstancesListings.",
 "simpleType" : "DescribeReservedInstancesListingsRequest",
 "variableSetterType" : "DescribeReservedInstancesListingsRequest"
 },
"inputStreamPropertyName" : null,
 "methodName" : "describeReservedInstancesListings",
 "operationName" : "DescribeReservedInstancesListings",
 "returnType" : {
 "returnType" : "DescribeReservedInstancesListingsResult",
 "documentation" : "Contains the output of DescribeReservedInstancesListings."
 },
 "syncReturnType" : "DescribeReservedInstancesListingsResult"
 },
"DescribeReservedInstancesModifications" : {
 "asyncCallableType" : "java.util.concurrent.Callable<DescribeReservedInstancesModificationsResult>",
 "asyncFutureType" : "java.util.concurrent.Future<DescribeReservedInstancesModificationsResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeReservedInstancesModificationsRequest, DescribeReservedInstancesModificationsRequest>",
 "asyncReturnType" : "DescribeReservedInstancesModificationsResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "Describes the modifications made to your Reserved Instances. If no parameter is specified, information about all your Reserved Instances modification requests is returned. If a modification ID is specified, only information about the specific modification is returned."
Modifying Reserved Instances in the Amazon Elastic Compute Cloud User Guide.

```
exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "variableName" : "describeReservedInstancesModificationsRequest",
  "variableType" : "DescribeReservedInstancesModificationsRequest",
  "documentation" : "Contains the parameters for DescribeReservedInstancesModifications."
},
"simpleType" : "DescribeReservedInstancesModificationsRequest",
"variableSetterType" : "DescribeReservedInstancesModificationsRequest"
}
```


```
exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "variableName" : "describeReservedInstancesOfferingsRequest",
  "variableType" : "DescribeReservedInstancesOfferingsRequest",
  "documentation" : "Contains the parameters for DescribeReservedInstancesOfferings."
},
"simpleType" : "DescribeReservedInstancesOfferingsRequest",
"variableSetterType" : "DescribeReservedInstancesOfferingsRequest"
```
"methodName" : "describeReservedInstancesOfferings",
"operationName" : "DescribeReservedInstancesOfferings",
"returnType" : {
  "returnType" : "DescribeReservedInstancesOfferingsResult",
  "documentation" : "<p>Contains the output of DescribeReservedInstancesOfferings.</p>"
},
"syncReturnType" : "DescribeReservedInstancesOfferingsResult"},
"DescribeRouteTables" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeRouteTablesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeRouteTablesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeRouteTablesRequest, DescribeRouteTablesResult>",
  "asyncReturn-type" : "DescribeRouteTablesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your route tables.</p> <p>Each subnet in your VPC must be associated with a route table. If a subnet is not explicitly associated with any route table, it is implicitly associated with the main route table. This command does not return the subnet ID for implicit associations.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "describeRouteTablesRequest",
    "variableType" : "DescribeRouteTablesRequest",
    "documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>",
    "simpleType" : "DescribeRouteTablesRequest",
    "variableSetterType" : "DescribeRouteTablesRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeRouteTables",
  "operationName" : "DescribeRouteTables",
  "returnType" : {
    "returnType" : "DescribeRouteTablesResult",
    "documentation" : "<p>Contains the output of DescribeRouteTables.</p>"
  },
  "syncReturnType" : "DescribeRouteTablesResult"
},
"DescribeScheduledInstanceAvailability" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeScheduledInstanceAvailabilityResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeScheduledInstanceAvailabilityResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeScheduledInstanceAvailabilityRequest, DescribeScheduledInstanceAvailabilityResult>",
  "asyncReturnType" : "DescribeScheduledInstanceAvailabilityResult"
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Finds available schedules that meet the specified criteria. You can search for an available schedule no more than 3 months in advance. You must meet the minimum required duration of 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p> After you find a schedule that meets your needs, call <a>PurchaseScheduledInstances</a> to purchase Scheduled Instances with that schedule."

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeScheduledInstanceAvailabilityRequest",
  "variableName" : "describeScheduledInstanceAvailabilityRequest",
  "variableType" : "DescribeScheduledInstanceAvailabilityRequest",
  "documentation" : "Contains the parameters for DescribeScheduledInstanceAvailability.",
  "simpleType" : "DescribeScheduledInstanceAvailabilityRequest",
  "variableSetterType" : "DescribeScheduledInstanceAvailabilityRequest"
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"inputStreamPropertyName" : null,
"methodName" : "describeScheduledInstanceAvailability",
"operationName" : "DescribeScheduledInstanceAvailability",
"returnType" : {
  "returnType" : "DescribeScheduledInstanceAvailabilityResult",
  "documentation" : "Contains the output of DescribeScheduledInstanceAvailability."}
},
"asyncCallableType" : "java.util.concurrent.Callable<DescribeScheduledInstancesResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeScheduledInstancesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeScheduledInstancesRequest, DescribeScheduledInstancesResult>",
"asyncReturnType" : "DescribeScheduledInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Describes one or more of your Scheduled Instances.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeScheduledInstancesRequest",
  "variableName" : "describeScheduledInstancesRequest",
  "variableType" : "DescribeScheduledInstancesRequest",
  "documentation" : "Contains the parameters for DescribeScheduledInstances.",
  "simpleType" : "DescribeScheduledInstancesRequest",
  "variableSetterType" : "DescribeScheduledInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeScheduledInstances",
"operationName" : "DescribeScheduledInstances"
"returnType" : {
"returnType" : "DescribeScheduledInstancesResult",
"documentation" : "<p>Contains the output of DescribeScheduledInstances.</p>"
},
"syncReturnType" : "DescribeScheduledInstancesResult"
},
"DescribeSecurityGroupReferences" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeSecurityGroupReferencesResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeSecurityGroupReferencesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSecurityGroupReferencesRequest, DescribeSecurityGroupReferencesResult>",
"asyncReturn-type" : "DescribeSecurityGroupReferencesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "[EC2-VPC only] Describes the VPCs on the other side of a VPC peering connection that are referencing the security groups you've specified in this request.

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeSecurityGroupReferencesRequest",
"variableName" : "describeSecurityGroupReferencesRequest",
"variableType" : "DescribeSecurityGroupReferencesRequest",
"documentation" : ",",
"simpleType" : "DescribeSecurityGroupReferencesRequest",
"variableSetterType" : "DescribeSecurityGroupReferencesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSecurityGroupReferences",
"operationName" : "DescribeSecurityGroupReferences",
"returnType" : {
"returnType" : "DescribeSecurityGroupReferencesResult",
"documentation" : null
},
"syncReturnType" : "DescribeSecurityGroupReferencesResult"
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"DescribeSecurityGroups" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeSecurityGroupsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeSecurityGroupsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSecurityGroupsRequest, DescribeSecurityGroupsResult>",
"asyncReturn-type" : "DescribeSecurityGroupsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Describes one or more of your security groups.

for Your VPC</a> in the<i>Amazon Virtual Private Cloud User Guide</i>.&lt;/i&gt;.&lt;/p&gt;

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeSecurityGroupsRequest",
  "variableName" : "describeSecurityGroupsRequest",
  "variableType" : "DescribeSecurityGroupsRequest",
  "documentation" : "<p>Contains the parameters for DescribeSecurityGroups.</p>",
  "simpleType" : "DescribeSecurityGroupsRequest",
  "variableSetterType" : "DescribeSecurityGroupsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSecurityGroups",
"operationName" : "DescribeSecurityGroups",
"returnType" : {
  "returnType" : "DescribeSecurityGroupsResult",
  "documentation" : "<p>Contains the output of DescribeSecurityGroups.</p>
"},
"syncReturnTypex" : "DescribeSecurityGroupsResult"
},
"DescribeSnapshotAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSnapshotAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSnapshotAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSnapshotAttributeRequest,
  DescribeSnapshotAttributeResult>",
  "asyncReturnType" : "DescribeSnapshotAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the specified attribute of the specified snapshot. You can specify only one attribute at a time.</p>&lt;/p&gt; For more information about EBS snapshots, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html"&gt;Amazon EBS Snapshots</a>

in the<i>Amazon Elastic Compute Cloud User Guide</i>&lt;/i&gt;.&lt;/p&gt;

exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeSnapshotAttributeRequest",
  "variableName" : "describeSnapshotAttributeRequest",
  "variableType" : "DescribeSnapshotAttributeRequest",
  "documentation" : "<p>Contains the parameters for DescribeSnapshotAttribute.</p>",
  "simpleType" : "DescribeSnapshotAttributeRequest",
  "variableSetterType" : "DescribeSnapshotAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSnapshotAttribute",
"operationName" : "DescribeSnapshotAttribute",
"returnType" : {
  "returnType" : "DescribeSnapshotAttributeResult",
  "documentation" : "<p>Contains the output of DescribeSnapshotAttribute.</p>"
The list of snapshots returned can be modified by specifying snapshot IDs, snapshot owners, or AWS accounts with create volume permissions. If no options are specified, Amazon EC2 returns all snapshots for which you have create volume permissions.

If you specify one or more snapshot IDs, only snapshots that have the specified IDs are returned. If you specify an invalid snapshot ID, an error is returned. If you specify a snapshot ID for which you do not have access, it is not included in the returned results.

If you specify one or more snapshot owners using the <code>OwnerIds</code> option, only snapshots from the specified owners and for which you have access are returned. The results can include the AWS account IDs of the specified owners, <code>amazon</code> for snapshots owned by Amazon, or <code>self</code> for snapshots that you own.

If you specify a list of restorable users, only snapshots with create snapshot permissions for those users are returned. You can specify AWS account IDs (if you own the snapshots), <code>self</code> for snapshots for which you own or have explicit permissions, or <code>all</code> for public snapshots.

If you are describing a long list of snapshots, you can paginate the output to make the list more manageable. The <code>MaxResults</code> parameter sets the maximum number of results returned in a single page. If the list of results exceeds your <code>MaxResults</code> value, then that number of results is returned along with a <code>NextToken</code> value that can be passed to a subsequent <code>DescribeSnapshots</code> request to retrieve the remaining results.

For more information about EBS snapshots, see [Amazon EBS Snapshots](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html) in the Amazon Elastic Compute Cloud User Guide.
"methodName" : "describeSnapshots",
"operationName" : "DescribeSnapshots",
"returnType" : {
  "returnType" : "DescribeSnapshotsResult",
  "documentation" : "<p>Contains the output of DescribeSnapshots.</p>"
},
"syncReturnType" : "DescribeSnapshotsResult"
},
"DescribeSpotDatafeedSubscription" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotDatafeedSubscriptionResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotDatafeedSubscriptionResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotDatafeedSubscriptionRequest, DescribeSpotDatafeedSubscriptionResult>",
  "asyncReturnCallableType" : "DescribeSpotDatafeedSubscriptionResult",
  "authenticated" : true,
  "deprecated" : false,
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "describeSpotDatafeedSubscriptionRequest",
    "variableType" : "DescribeSpotDatafeedSubscriptionRequest",
    "documentation" : "<p>Contains the parameters for DescribeSpotDatafeedSubscription.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeSpotDatafeedSubscription",
  "operationName" : "DescribeSpotDatafeedSubscription",
  "returnType" : {
    "returnType" : "DescribeSpotDatafeedSubscriptionResult",
    "documentation" : "<p>Contains the output of DescribeSpotDatafeedSubscription.</p>"
  },
  "syncReturnType" : "DescribeSpotDatafeedSubscriptionResult"
},
"DescribeSpotFleetInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetInstancesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetInstancesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetInstancesRequest, DescribeSpotFleetInstancesResult>",
  "asyncReturnCallableType" : "DescribeSpotFleetInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the running instances for the specified Spot fleet.</p>",
  "exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "DescribeSpotFleetInstancesRequest",
    "variableName" : "describeSpotFleetInstancesRequest",
    "variableType" : "DescribeSpotFleetInstancesRequest",
    "documentation" : "<p>Contains the parameters for DescribeSpotFleetInstances.</p>",
    "simpleType" : "DescribeSpotFleetInstancesRequest",
    "variableSetterType" : "DescribeSpotFleetInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSpotFleetInstances",
"operationName" : "DescribeSpotFleetInstances",
"returnType" : {
    "returnType" : "DescribeSpotFleetInstancesResult",
    "documentation" : "<p>Contains the output of DescribeSpotFleetInstances.</p>",
},
"syncReturnType" : "DescribeSpotFleetInstancesResult"
},
"DescribeSpotFleetRequestHistory" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetRequestHistoryResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetRequestHistoryResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetRequestHistoryRequest,
DescribeSpotFleetRequestHistoryResult>",
    "asyncReturnType" : "DescribeSpotFleetRequestHistoryResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the events for the specified Spot fleet request during the specified time.</p>
<p>Spot fleet events are delayed by up to 30 seconds before they can be described. This ensures that you can query
by the last evaluated time and not miss a recorded event.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "DescribeSpotFleetRequestHistoryRequest",
        "variableName" : "describeSpotFleetRequestHistoryRequest",
        "variableType" : "DescribeSpotFleetRequestHistoryRequest",
        "documentation" : "<p>Contains the parameters for DescribeSpotFleetRequestHistory.</p>",
        "simpleType" : "DescribeSpotFleetRequestHistoryRequest",
        "variableSetterType" : "DescribeSpotFleetRequestHistoryRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "describeSpotFleetRequestHistory",
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    "returnType" : {
        "returnType" : "DescribeSpotFleetRequestHistoryResult",
        "documentation" : "<p>Contains the output of DescribeSpotFleetRequestHistory.</p>
    },
    "syncReturnType" : "DescribeSpotFleetRequestHistoryResult"}
"DescribeSpotFleetRequests" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotFleetRequestsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeSpotFleetRequestsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotFleetRequestsRequest, DescribeSpotFleetRequestsResult>",
"asyncReturnType" : "DescribeSpotFleetRequestsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Describes your Spot fleet requests. Spot fleet requests are deleted 48 hours after they are canceled and their instances are terminated."
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeSpotFleetRequestsRequest",
"variableName" : "describeSpotFleetRequestsRequest",
"variableType" : "DescribeSpotFleetRequestsRequest",
"documentation" : "Contains the parameters for DescribeSpotFleetRequests.",
"simpleType" : "DescribeSpotFleetRequestsRequest",
"variableSetterType" : "DescribeSpotFleetRequestsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "describeSpotFleetRequests",
"operationName" : "DescribeSpotFleetRequests",
"returnType" : {
"returnType" : "DescribeSpotFleetRequestsResult",
"documentation" : "Contains the output of DescribeSpotFleetRequests.",
"syncReturnType" : "DescribeSpotFleetRequestsResult"
},
"DescribeSpotInstanceRequests" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotInstanceRequestsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeSpotInstanceRequestsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotInstanceRequestsRequest, DescribeSpotInstanceRequestsResult>",
"asyncReturnType" : "DescribeSpotInstanceRequestsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Describes the Spot instance requests that belong to your account. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html">Spot Instance Requests</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. You can use <code>DescribeSpotInstanceRequests</code> to find a running Spot instance by examining the response. If the status of the Spot instance is <code>fulfilled</code>, the instance ID appears in the response and contains the identifier of the instance. Alternatively, you can use <code>DescribeInstances</code> with a filter to look for instances where the instance lifecycle is <code>spot</code>. Spot instance requests are deleted 4 hours after they are canceled and their instances are terminated."
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : { 
  "variableDeclarationType" : "DescribeSpotInstanceRequestsRequest",
  "variableName" : "describeSpotInstanceRequestsRequest",
  "variableType" : "DescribeSpotInstanceRequestsRequest",
  "documentation" : "<p>Contains the parameters for DescribeSpotInstanceRequests.</p>",
  "simpleType" : "DescribeSpotInstanceRequestsRequest",
  "variableSetterType" : "DescribeSpotInstanceRequestsRequest"
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"inputStreamPropertyName" : null,
"methodName" : "describeSpotInstanceRequests",
"operationName" : "DescribeSpotInstanceRequests",
"returnType" : {
  "returnType" : "DescribeSpotInstanceRequestsResult",
  "documentation" : "<p>Contains the output of DescribeSpotInstanceRequests.</p>",
  "syncReturnType" : "DescribeSpotInstanceRequestsResult"
},
"DescribeSpotPriceHistory" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeSpotPriceHistoryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeSpotPriceHistoryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSpotPriceHistoryRequest,
DescribeSpotPriceHistoryResult>",
  "asyncReturnArgType" : "DescribeSpotPriceHistoryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the Spot price history. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-spot-instances-history.html">Spot Instance Pricing History</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>When you specify a start and end time, this operation returns the prices of the instance types within the time range that you specified and the time when the price changed. The price is valid within the time period that you specified; the response merely indicates the last time that the price changed.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : { 
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    "variableName" : "describeSpotPriceHistoryRequest",
    "variableType" : "DescribeSpotPriceHistoryRequest",
    "documentation" : "<p>Contains the parameters for DescribeSpotPriceHistory.</p>",
    "simpleType" : "DescribeSpotPriceHistoryRequest",
    "variableSetterType" : "DescribeSpotPriceHistoryRequest"
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  "inputStreamPropertyName" : null,
  "methodName" : "describeSpotPriceHistory",
  "operationName" : "DescribeSpotPriceHistory",
  "returnType" : {
    "returnType" : "DescribeSpotPriceHistoryResult",
    "documentation" : "<p>Contains the output of DescribeSpotPriceHistory.</p>"}
"syncReturnType" : "DescribeSpotPriceHistoryResult"
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"DescribeStaleSecurityGroups" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeStaleSecurityGroupsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeStaleSecurityGroupsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeStaleSecurityGroupsRequest,
DescribeStaleSecurityGroupsResult>",
"asyncReturnType" : "DescribeStaleSecurityGroupsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>[EC2-VPC only] Describes the stale security group rules for security groups in a
specified VPC. Rules are stale when they reference a deleted security group in a peer VPC, or a security group in a
peer VPC for which the VPC peering connection has been deleted.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableType" : "DescribeStaleSecurityGroupsRequest",
"documentation" : "",
"simpleType" : "DescribeStaleSecurityGroupsRequest",
"variableSetterType" : "DescribeStaleSecurityGroupsRequest"
}
},
"DescribeSubnets" : {
"asyncCallableType" : "java.util.concurrent.Callable<DescribeSubnetsResult>",
"asyncFutureType" : "java.util.concurrent.Future<DescribeSubnetsResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeSubnetsRequest,
DescribeSubnetsResult>",
"asyncReturnType" : "DescribeSubnetsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Describes one or more of your subnets.</p> <p>For more information about subnets, see
<a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and
Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
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"variableType" : "DescribeSubnetsRequest",
"documentation" : "<p>Contains the parameters for DescribeSubnets.</p>",
"simpleType" : "DescribeSubnetsRequest",
"variableSetterType" : "DescribeSubnetsRequest"
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"inputStreamPropertyName" : null,
"methodName" : "describeSubnets",
"operationName" : "DescribeSubnets",
"returnType" : {
 "returnType" : "DescribeSubnetsResult",
 "documentation" : "<p>Contains the output of DescribeSubnets.</p>
",
 "syncReturnType" : "DescribeSubnetsResult"
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"DescribeTags" : {
 "asyncCallableType" : "java.util.concurrent.Callable<DescribeTagsResult>",
 "asyncFutureType" : "java.util.concurrent.Future<DescribeTagsResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeTagsRequest, DescribeTagsResult>",
 "asyncReturnType" : "DescribeTagsResult",
 "authenticated" : true,
 "deprecated" : false,
 "documentation" : "<p>Describes one or more of the tags for your EC2 resources.</p> For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
 "exceptions" : null,
 "hasBlobMemberAsPayload" : false,
 "input" : {
 "variableDeclarationType" : "DescribeTagsRequest",
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 "variableType" : "DescribeTagsRequest",
 "documentation" : "<p>Contains the parameters for DescribeTags.</p>",
 "simpleType" : "DescribeTagsRequest",
 "variableSetterType" : "DescribeTagsRequest"
 },
 "inputStreamPropertyName" : null,
 "methodName" : "describeTags",
 "operationName" : "DescribeTags",
 "returnType" : {
 "returnType" : "DescribeTagsResult",
 "documentation" : "<p>Contains the output of DescribeTags.</p>
",
 "syncReturnType" : "DescribeTagsResult"
 }

"DescribeVolumeAttribute" : {
 "asyncCallableType" : "java.util.concurrent.Callable<DescribeVolumeAttributeResult>",
 "asyncFutureType" : "java.util.concurrent.Future<DescribeVolumeAttributeResult>",
 "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVolumeAttributeRequest, DescribeVolumeAttributeRequest",
 "asyncReturnType" : "DescribeVolumeAttributeResult"
}
DescribeVolumeAttributeResult",
    "asyncReturnType" : "DescribeVolumeAttributeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the specified attribute of the specified volume. You can specify only one attribute at a time.</p>
    <p>For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html">Amazon EBS Volumes</a> in the Amazon Elastic Compute Cloud User Guide.</p>
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "DescribeVolumeAttributeRequest",
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    "inputStreamPropertyName" : null,
    "methodName" : "describeVolumeAttribute",
    "operationName" : "DescribeVolumeAttribute",
    "returnType" : {
        "returnType" : "DescribeVolumeAttributeResult",
        "documentation" : "<p>Contains the output of DescribeVolumeAttribute.</p>
    },
    "syncReturnType" : "DescribeVolumeAttributeResult"
},

"DescribeVolumeStatus" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DescribeVolumeStatusResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DescribeVolumeStatusResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVolumeStatusRequest,
    DescribeVolumeStatusRequestResult>",
    "asyncReturnType" : "DescribeVolumeStatusResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Describes the status of the specified volumes. Volume status provides the result of the checks performed on your volumes to determine events that can impair the performance of your volumes. The performance of a volume can be affected if an issue occurs on the volume's underlying host. If the volume's underlying host experiences a power outage or system issue, after the system is restored, there could be data inconsistencies on the volume. Volume events notify you if this occurs. Volume actions notify you if any action needs to be taken in response to the event.</p>
    <p>The <code>DescribeVolumeStatus</code> operation provides the following information about the specified volumes: Status reflects the current status of the volume. The possible values are <code>ok</code>, <code>impaired</code>, <code>warning</code>, or <code>insufficient-data</code>. If all checks pass, the overall status of the volume is <code>ok</code>. If the check fails, the overall status is <code>impaired</code>. If the status is <code>insufficient-data</code>, then the checks may still be taking place on your volume at the time. We recommend that you retry the request. For more information on volume status, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-volume-status.html">Monitoring the Status of Your Volumes</a>.</p>
    <p>Events reflect the cause of a
volume status and may require you to take action. For example, if your volume returns an <code>impaired</code> status, then the volume event might be <code>potential-data-inconsistency</code>. This means that your volume has been affected by an issue with the underlying host, has all I/O operations disabled, and may have inconsistent data. </p>

```xml
<ip.Actions>
  <i>Actions</i>: Reflect the actions you may have to take in response to an event. For example, if the status of the volume is <code>impaired</code> and the volume event shows <code>potential-data-inconsistency</code>, then the action shows <code>enable-volume-io</code>. This means that you may want to enable the I/O operations for the volume by calling the <a>EnableVolumeIO</a> action and then check the volume for data consistency. </p>

-<note>
  Volume status is based on the volume status checks, and does not reflect the volume state. Therefore, volume status does not indicate volumes in the <code>error</code> state (for example, when a volume is incapable of accepting I/O.)</note>
```
"variableDeclarationType": "DescribeVolumesRequest",
"variableName": "describeVolumesRequest",
"variableType": "DescribeVolumesRequest",
"documentation": "<p>Contains the parameters for DescribeVolumes.</p>",
"simpleType": "DescribeVolumesRequest",
"variableSetterType": "DescribeVolumesRequest"
},
"inputStreamPropertyName": null,
"methodName": "describeVolumes",
"operationName": "DescribeVolumes",
"returnType": {
  "returnType": "DescribeVolumesResult",
  "documentation": "<p>Contains the output of DescribeVolumes.</p>"
},
"syncReturnType": "DescribeVolumesResult"
},
"DescribeVolumesModifications": {
  "asyncCallableType": "java.util.concurrent.Callable<DescribeVolumesModificationsResult>",
  "asyncFutureType": "java.util.concurrent.Future<DescribeVolumesModificationsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeVolumesModificationsRequest,
DescribeVolumesModificationsResult>",
  "asyncReturn�": "DescribeVolumesModificationsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Reports the current modification status of EBS volumes.</p> <p>Current-generation EBS volumes support modification of attributes including type, size, and (for <code>io1</code> volumes) IOPS provisioning while either attached to or detached from an instance. Following an action from the API or the console to modify a volume, the status of the modification may be <code>modifying</code>, <code>optimizing</code>, <code>completed</code>, or <code>failed</code>. If a volume has never been modified, then certain elements of the returned <code>VolumeModification</code> objects are null. </p> <p>You can also use CloudWatch Events to check the status of a modification to an EBS volume. For information about CloudWatch Events, see the <a href="http://docs.aws.amazon.com/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html">Amazon CloudWatch Events User Guide</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html#monitoring_mods">Monitoring Volume Modifications</a>.\""\</p>\",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableType": "DescribeVolumesModificationsRequest",
    "documentation": "",
    "simpleType": "DescribeVolumesModificationsRequest",
    "variableSetterType": "DescribeVolumesModificationsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "describeVolumesModifications",
  "operationName": "DescribeVolumesModifications"
"returnType" : {
  "returnType" : "DescribeVolumesModificationsResult",
  "documentation" : null
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"syncReturnType" : "DescribeVolumesModificationsResult"
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"DescribeVpcAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeVpcAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcAttributeRequest, DescribeVpcAttributeResult>",
  "asyncReturnType" : "DescribeVpcAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the specified attribute of the specified VPC. You can specify only one attribute at a time.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeVpcAttributeRequest",
    "variableName" : "describeVpcAttributeRequest",
    "variableType" : "DescribeVpcAttributeRequest",
    "documentation" : "<p>Contains the parameters for DescribeVpcAttribute.</p>",
    "simpleType" : "DescribeVpcAttributeRequest",
    "variableSetterType" : "DescribeVpcAttributeRequest"
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  "inputStreamPropertyName" : null,
  "methodName" : "describeVpcAttribute",
  "operationName" : "DescribeVpcAttribute",
  "returnType" : {
    "returnType" : "DescribeVpcAttributeResult",
    "documentation" : "<p>Contains the output of DescribeVpcAttribute.</p>"
  },
  "syncReturnType" : "DescribeVpcAttributeResult"
},
"DescribeVpcClassicLink" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeVpcClassicLinkResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcClassicLinkResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcClassicLinkRequest, DescribeVpcClassicLinkResult>",
  "asyncReturnType" : "DescribeVpcClassicLinkResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the ClassicLink status of one or more VPCs.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeVpcClassicLinkRequest",
    "variableName" : "describeVpcClassicLinkRequest",
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    "documentation" : "<p>Contains the parameters for DescribeVpcClassicLink.</p>",
    "simpleType" : "DescribeVpcClassicLinkRequest",
    "variableSetterType" : "DescribeVpcClassicLinkRequest"
  },
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  "methodName" : "describeVpcClassicLink",
  "operationName" : "DescribeVpcClassicLink",
  "returnType" : {
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    "documentation" : "<p>Contains the output of DescribeVpcClassicLink.</p>"
"variableName" : "describeVpcClassicLinkRequest",
"variableType" : "DescribeVpcClassicLinkRequest",
"documentation" : "<p>Contains the parameters for DescribeVpcClassicLink.</p>",
"simpleType" : "DescribeVpcClassicLinkRequest",
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"operationName" : "DescribeVpcClassicLink",
"returnType" : {
  "returnType" : "DescribeVpcClassicLinkResult",
  "documentation" : "<p>Contains the output of DescribeVpcClassicLink.</p>
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,"syncReturnType" : "DescribeVpcClassicLinkResult"
}
,"DescribeVpcClassicLinkDnsSupport" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeVpcClassicLinkDnsSupportResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcClassicLinkDnsSupportResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcClassicLinkDnsSupportRequest, DescribeVpcClassicLinkDnsSupportRequestResult>",
  "asyncReturn_type" : "DescribeVpcClassicLinkDnsSupportResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes the ClassicLink DNS support status of one or more VPCs. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "describeVpcClassicLinkDnsSupportRequest",
    "variableType" : "DescribeVpcClassicLinkDnsSupportRequest",
    "documentation" : "<p>Contains the parameters for DescribeVpcClassicLinkDnsSupport.</p>",
    "simpleType" : "DescribeVpcClassicLinkDnsSupportRequest",
    "variableSetterType" : "DescribeVpcClassicLinkDnsSupportRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeVpcClassicLinkDnsSupport",
  "operationName" : "DescribeVpcClassicLinkDnsSupport",
  "returnType" : {
    "returnType" : "DescribeVpcClassicLinkDnsSupportResult",
    "documentation" : "<p>Contains the output of DescribeVpcClassicLinkDnsSupport.</p>
  }
},
"syncReturnType" : "DescribeVpcClassicLinkDnsSupportResult"}
"DescribeVpcEndpointServices": {
    "asyncCallableType": "java.util.concurrent.Callable<DescribeVpcEndpointServicesResult>",
    "asyncFutureType": "java.util.concurrent.Future<DescribeVpcEndpointServicesResult>",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeVpcEndpointServicesRequest, DescribeVpcEndpointServicesResult>",
    "asyncReturnType": "DescribeVpcEndpointServicesResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Describes all supported AWS services that can be specified when creating a VPC endpoint.</p>",
    "exceptions": null,
    "hasBlobMemberAsPayload": false,
    "input": {
        "variableDeclarationType": "DescribeVpcEndpointServicesRequest",
        "variableName": "describeVpcEndpointServicesRequest",
        "variableType": "DescribeVpcEndpointServicesRequest",
        "documentation": "<p>Contains the parameters for DescribeVpcEndpointServices.</p>",
        "simpleType": "DescribeVpcEndpointServicesRequest",
        "variableSetterType": "DescribeVpcEndpointServicesRequest"
    },
    "inputStreamPropertyName": null,
    "methodName": "describeVpcEndpointServices",
    "operationName": "DescribeVpcEndpointServices",
    "returnType": {
        "returnType": "DescribeVpcEndpointServicesResult",
        "documentation": "<p>Contains the output of DescribeVpcEndpointServices.</p>"
    },
    "syncReturnType": "DescribeVpcEndpointServicesResult"
},

"DescribeVpcEndpoints": {
    "asyncCallableType": "java.util.concurrent.Callable<DescribeVpcEndpointsResult>",
    "asyncFutureType": "java.util.concurrent.Future<DescribeVpcEndpointsResult>",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeVpcEndpointsRequest, DescribeVpcEndpointsResult>",
    "asyncReturnType": "DescribeVpcEndpointsResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Describes one or more of your VPC endpoints.</p>",
    "exceptions": null,
    "hasBlobMemberAsPayload": false,
    "input": {
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}
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"returnType" : {
  "returnType" : "DescribeVpcEndpointsResult",
  "documentation" : "<p>Contains the output of DescribeVpcEndpoints.</p>"
},
"syncReturnType" : "DescribeVpcEndpointsResult"
},
"DescribeVpcPeeringConnections" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeVpcPeeringConnectionsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcPeeringConnectionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcPeeringConnectionsRequest, DescribeVpcPeeringConnectionsResult>",
  "asyncReturnType" : "DescribeVpcPeeringConnectionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPC peering connections.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "describeVpcPeeringConnectionsRequest",
    "variableType" : "DescribeVpcPeeringConnectionsRequest",
    "documentation" : "<p>Contains the parameters for DescribeVpcPeeringConnections.</p>",
    "simpleType" : "DescribeVpcPeeringConnectionsRequest",
    "variableSetterType" : "DescribeVpcPeeringConnectionsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeVpcPeeringConnections",
  "operationName" : "DescribeVpcPeeringConnections",
  "returnType" : {
    "returnType" : "DescribeVpcPeeringConnectionsResult",
    "documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>"
  },
  "syncReturnType" : "DescribeVpcPeeringConnectionsResult"
},
"DescribeVpcs" : {
  "asyncCallableType" : "java.util.concurrent.Callable<DescribeVpcsResult>",
  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpcsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpcsRequest, DescribeVpcsResult>",
  "asyncReturnType" : "DescribeVpcsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPCs.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
  
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"methodName" : "describeVpcPeeringConnections",
"operationName" : "DescribeVpcPeeringConnections",
"returnType" : {
  "returnType" : "DescribeVpcPeeringConnectionsResult",
  "documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>"
},
"syncReturnType" : "DescribeVpcPeeringConnectionsResult"
},
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  "asyncReturnType" : "DescribeVpcsResult",
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  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPCs.</p>",
  "exceptions" : null,
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"syncReturnType" : "DescribeVpcPeeringConnectionsResult"
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  "asyncReturnType" : "DescribeVpcsResult",
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  "documentation" : "<p>Describes one or more of your VPCs.</p>",
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  "documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>"
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"syncReturnType" : "DescribeVpcPeeringConnectionsResult"
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  "asyncReturnType" : "DescribeVpcsResult",
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  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPCs.</p>",
  "exceptions" : null,
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  "input" : {

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"documentation" : "<p>Contains the parameters for DescribeVpcs.</p>",
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"operationName" : "DescribeVpcs",
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  "documentation" : "<p>Contains the output of DescribeVpcs.</p>",
  "syncReturnType" : "DescribeVpcsResult"
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  "asyncFutureType" : "java.util.concurrent.Future<DescribeVpnConnectionsResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DescribeVpnConnectionsRequest,
DescribeVpnConnectionsResult>",
  "asyncReturnType" : "DescribeVpnConnectionsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your VPN connections.</p> <p>For more information about
VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual
Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
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    "documentation" : "<p>Contains the parameters for DescribeVpnConnections.</p>",
    "simpleType" : "DescribeVpnConnectionsRequest",
    "variableSetterType" : "DescribeVpnConnectionsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "describeVpnConnections",
  "operationName" : "DescribeVpnConnections",
  "returnType" : {
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    "documentation" : "<p>Contains the output of DescribeVpnConnections.</p>",
    "syncReturnType" : "DescribeVpnConnectionsResult"
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"asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DescribeVpnGatewaysRequest,
DescribeVpnGatewaysResult>",
"asyncReturnType": "DescribeVpnGatewaysResult",
"authenticated": true,
"deprecated": false,
"documentation": "<p>Describes one or more of your virtual private gateways.</p> For more information about virtual private gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding an IPsec Hardware VPN to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
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"hasBlobMemberAsPayload": false,
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    "variableType": "DescribeVpnGatewaysRequest",
    "documentation": "<p>Contains the parameters for DescribeVpnGateways.</p>",
    "simpleType": "DescribeVpnGatewaysRequest",
    "variableSetterType": "DescribeVpnGatewaysRequest"
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"inputStreamPropertyName": null,
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"operationName": "DescribeVpnGateways",
"returnType": {
    "returnType": "DescribeVpnGatewaysResult",
    "documentation": "<p>Contains the output of DescribeVpnGateways.</p>",
    "syncReturnType": "DescribeVpnGatewaysResult"
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    "asyncFutureType": "java.util.concurrent.Future<DetachClassicLinkVpcResult>",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DetachClassicLinkVpcRequest,
DetachClassicLinkVpcResult>",
    "asyncReturnType": "DetachClassicLinkVpcResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Unlinks (detaches) a linked EC2-Classic instance from a VPC. After the instance has been unlinked, the VPC security groups are no longer associated with it. An instance is automatically unlinked from a VPC when it's stopped.</p>",
    "exceptions": null,
    "hasBlobMemberAsPayload": false,
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  "documentation" : "<p>Contains the output of DetachClassicLinkVpc.</p>
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"syncReturnType" : "DetachClassicLinkVpcResult"
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"DetachInternetGateway" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DetachInternetGatewayResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DetachInternetGatewayRequest,
  DetachInternetGatewayRequest>",
  "asyncReturnType" : "DetachInternetGatewayResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Detaches an Internet gateway from a VPC, disabling connectivity between the Internet
  and the VPC. The VPC must not contain any running instances with Elastic IP addresses.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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  "operationName" : "DetachInternetGateway",
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    "documentation" : null
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  "syncReturnType" : "DetachInternetGatewayResult"
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  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DetachNetworkInterfaceRequest,
  DetachNetworkInterfaceRequest>",
  "asyncReturnType" : "DetachNetworkInterfaceResult",
  "authenticated" : true,
"deprecated": false,
"documentation": "<p>Detaches a network interface from an instance.</p>",
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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  "documentation": "<p>Contains the parameters for DetachNetworkInterface.</p>",
  "simpleType": "DetachNetworkInterfaceRequest",
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  "documentation": null
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"syncReturnType": "DetachNetworkInterfaceResult"
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"DetachVolume": {
  "asyncCallableType": "java.util.concurrent.Callable<DetachVolumeResult>",
  "asyncFutureType": "java.util.concurrent.Future<DetachVolumeResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<DetachVolumeRequest, DetachVolumeResult>",
  "asyncReturnType": "DetachVolumeResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.</p> <p>When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-detaching-volume.html">Detaching an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
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    "variableType": "DetachVolumeRequest",
    "documentation": "<p>Contains the parameters for DetachVolume.</p>",
    "simpleType": "DetachVolumeRequest",
    "variableSetterType": "DetachVolumeRequest"
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"operationName" : "DetachVolume",
"returnType" : {
    "returnType" : "DetachVolumeResult",
    "documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire."
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"syncReturnType" : "DetachVolumeResult"
},
"DetachVpnGateway" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DetachVpnGatewayResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DetachVpnGatewayRequest, DetachVpnGatewayResult>",
    "asyncReturnType" : "DetachVpnGatewayResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).</p> <p>You must wait for the attachment's state to switch to <code>detached</code> before you can delete the VPC or attach a different VPC to the virtual private gateway.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
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        "documentation" : "Contains the parameters for DetachVpnGateway."
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    "operationName" : "DetachVpnGateway",
    "returnType" : {
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        "documentation" : null
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    "syncReturnType" : "DetachVpnGatewayResult"
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"DisableVgwRoutePropagation" : {
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    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisableVgwRoutePropagationRequest, DisableVgwRoutePropagationResult>",
    "asyncReturnType" : "DisableVgwRoutePropagationResult",
    "authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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    "variableType" : "DisableVgwRoutePropagationRequest",
    "documentation" : "<p>Contains the parameters for DisableVgwRoutePropagation.</p>",
    "simpleType" : "DisableVgwRoutePropagationRequest",
    "variableSetterType" : "DisableVgwRoutePropagationRequest"
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"operationName" : "DisableVgwRoutePropagation",
"returnType" : {
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    "documentation" : null
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"syncReturnType" : "DisableVgwRoutePropagationResult"
},
"DisableVpcClassicLink" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DisableVpcClassicLinkResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisableVpcClassicLinkRequest, DisableVpcClassicLinkResult>",
    "asyncReturnType" : "DisableVpcClassicLinkResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Disables ClassicLink for a VPC. You cannot disable ClassicLink for a VPC that has EC2-Classic instances linked to it.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableName" : "disableVpcClassicLinkRequest",
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        "simpleType" : "DisableVpcClassicLinkRequest",
        "variableSetterType" : "DisableVpcClassicLinkRequest"
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    "inputStreamPropertyName" : null,
    "methodName" : "disableVpcClassicLink",
    "operationName" : "DisableVpcClassicLink",
    "returnType" : {
        "returnType" : "DisableVpcClassicLinkResult",
        "documentation" : "<p>Contains the output of DisableVpcClassicLink.</p>"}
"syncReturnType" : "DisableVpcClassicLinkDnsSupportResult",
"asyncCallableType" : "java.util.concurrent.Callable<DisableVpcClassicLinkDnsSupportResult>",
"asyncFutureType" : "java.util.concurrent.Future<DisableVpcClassicLinkDnsSupportResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisableVpcClassicLinkDnsSupportRequest, DisableVpcClassicLinkDnsSupportResult>",
"asyncReturnTask" : "DisableVpcClassicLinkDnsSupportResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Disables ClassicLink DNS support for a VPC. If disabled, DNS hostnames resolve to public IP addresses when addressed between a linked EC2-Classic instance and instances in the VPC to which it's linked. For more information about ClassicLink, see ClassicLink in the Amazon Elastic Compute Cloud User Guide.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "disableVpcClassicLinkDnsSupportRequest",
"variableType" : "DisableVpcClassicLinkDnsSupportRequest",
"documentation" : "Contains the parameters for DisableVpcClassicLinkDnsSupport.",
"simpleType" : "DisableVpcClassicLinkDnsSupportRequest",
"variableSetterType" : "DisableVpcClassicLinkDnsSupportRequest"
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"operationName" : "DisableVpcClassicLinkDnsSupport",
"returnType" : {
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"documentation" : "Contains the output of DisableVpcClassicLinkDnsSupport.",
"syncReturnType" : "DisableVpcClassicLinkDnsSupportResult"
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"DisassociateAddress" : {
"asyncCallableType" : "java.util.concurrent.Callable<DisassociateAddressResult>",
"asyncFutureType" : "java.util.concurrent.Future<DisassociateAddressResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateAddressRequest, DisassociateAddressResult>",
"asyncReturnTask" : "DisassociateAddressResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Disassociates an Elastic IP address from the instance or network interface it's associated with. An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide. This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.";
"
"DisassociateRouteTable" : {
    "asyncCallableType" : "java.util.concurrent.Callable<DisassociateRouteTableResult>",
    "asyncFutureType" : "java.util.concurrent.Future<DisassociateRouteTableResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateRouteTableRequest, DisassociateRouteTableResult>",
    "asyncReturntype" : "DisassociateRouteTableResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Disassociates a subnet from a route table. After you perform this action, the subnet no longer uses the routes in the route table. Instead, it uses the routes in the VPC's main route table. For more information about route tables, see Route Tables in the Amazon Virtual Private Cloud User Guide.",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "documentation" : "Contains the parameters for DisassociateRouteTable.",
        "simpleType" : "DisassociateRouteTableRequest",
        "variableSetterType" : "DisassociateRouteTableRequest"
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    "inputStreamPropertyName" : null,
    "methodName" : "disassociateRouteTable",
    "operationName" : "DisassociateRouteTable",
    "returnType" : {"returnType" : "DisassociateRouteTableResult"},
    "syncReturnType" : "DisassociateRouteTableResult"
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"DisassociateSubnetCidrBlock" : {
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    "asyncFutureType" : "java.util.concurrent.Future<DisassociateSubnetCidrBlockResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateSubnetCidrBlockRequest, DisassociateSubnetCidrBlockResult>",
    "asyncReturntype" : "DisassociateSubnetCidrBlockResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Disassociates a CIDR block from a subnet. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it.",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "DisassociateSubnetCidrBlockRequest",
        "documentation" : "Contains the parameters for DisassociateSubnetCidrBlock.",
        "simpleType" : "DisassociateSubnetCidrBlockRequest",
        "variableSetterType" : "DisassociateSubnetCidrBlockRequest"
"variableType" : "DisassociateSubnetCidrBlockRequest",
"documentation" : "",
"simpleType" : "DisassociateSubnetCidrBlockRequest",
"variableSetterType" : "DisassociateSubnetCidrBlockRequest"
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"inputStreamPropertyName" : null,
"methodName" : "disassociateSubnetCidrBlock",
"operationName" : "DisassociateSubnetCidrBlock",
"returnType" : { 
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  "documentation" : null
},
"syncReturnType" : "DisassociateSubnetCidrBlockResult"
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"DisassociateVpcCidrBlock" : {
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  "asyncFutureType" : "java.util.concurrent.Future<DisassociateVpcCidrBlockResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<DisassociateVpcCidrBlockRequest,
DisassociateVpcCidrBlockResult>",
  "asyncReturnType" : "DisassociateVpcCidrBlockResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Disassociates a CIDR block from a VPC. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : { 
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    "variableType" : "DisassociateVpcCidrBlockRequest",
    "documentation" : "",
    "simpleType" : "DisassociateVpcCidrBlockRequest",
    "variableSetterType" : "DisassociateVpcCidrBlockRequest"
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  "inputStreamPropertyName" : null,
  "methodName" : "disassociateVpcCidrBlock",
  "operationName" : "DisassociateVpcCidrBlock",
  "returnType" : { 
    "returnType" : "DisassociateVpcCidrBlockResult",
    "documentation" : null
  },
  "syncReturnType" : "DisassociateVpcCidrBlockResult"
},
"EnableVgwRoutePropagation" : {
  "asyncCallableType" : "java.util.concurrent.Callable<EnableVgwRoutePropagationResult>",
  "asyncFutureType" : "java.util.concurrent.Future<EnableVgwRoutePropagationResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVgwRoutePropagationRequest,
EnableVgwRoutePropagationResult>",
  "asyncReturnType" : "EnableVgwRoutePropagationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Enables route propagation between gateways in VPCs that share
a common route table. You can enable route propagation between gateways in VPCs with
the same CIDR block only. However, you cannot enable route propagation between
gateways in VPCs with differentCIDR blocks. </p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : { 
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    "variableType" : "EnableVgwRoutePropagationRequest",
    "documentation" : "",
    "simpleType" : "EnableVgwRoutePropagationRequest",
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  "methodName" : "enableVgwRoutePropagation",
  "operationName" : "EnableVgwRoutePropagation",
  "returnType" : { 
    "returnType" : "EnableVgwRoutePropagationResult",
    "documentation" : null
  },
  "syncReturnType" : "EnableVgwRoutePropagationResult"
}
EnableVgwRoutePropagationResult",
"asyncReturnType" : "EnableVgwRoutePropagationResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables a virtual private gateway (VGW) to propagate routes to the specified route table of a VPC.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "EnableVgwRoutePropagationRequest",
"variableName" : "enableVgwRoutePropagationRequest",
"variableType" : "EnableVgwRoutePropagationRequest",
"documentation" : "<p>Contains the parameters for EnableVgwRoutePropagation.</p>",
"simpleType" : "EnableVgwRoutePropagationRequest",
"variableSetterType" : "EnableVgwRoutePropagationRequest"
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"inputStreamPropertyName" : null,
"methodName" : "enableVgwRoutePropagation",
"operationName" : "EnableVgwRoutePropagation",
"returnType" : {
"returnType" : "EnableVgwRoutePropagationResult",
"documentation" : null
},
"syncReturnType" : "EnableVgwRoutePropagationResult"
},
"EnableVolumeIO" : {
"asyncCallableType" : "java.util.concurrent.Callable<EnableVolumeIOResult>",
"asyncFutureType" : "java.util.concurrent.Future<EnableVolumeIOResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVolumeIORequest,
EnableVolumeIOResult>",
"asyncReturnType" : "EnableVolumeIOResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "EnableVolumeIORequest",
"variableName" : "enableVolumeIORequest",
"variableType" : "EnableVolumeIORequest",
"documentation" : "<p>Contains the parameters for EnableVolumeIO.</p>",
"simpleType" : "EnableVolumeIORequest",
"variableSetterType" : "EnableVolumeIORequest"
},
"inputStreamPropertyName" : null,
"methodName" : "enableVolumeIO",
"operationName" : "EnableVolumeIO"
"returnType" : {
   "returnType" : "EnableVolumeIOResult",
   "documentation" : null
},
"syncReturnType" : "EnableVolumeIOResult"
}.

"EnableVpcClassicLink" : {
   "asyncCallableType" : "java.util.concurrent.Callable<EnableVpcClassicLinkResult>",
   "asyncFutureType" : "java.util.concurrent.Future<EnableVpcClassicLinkResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVpcClassicLinkRequest,
EnableVpcClassicLinkResult>",
   "asyncReturnType" : "EnableVpcClassicLinkResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Enables a VPC for ClassicLink. You can then link EC2-Classic instances to your
ClassicLink-enabled VPC to allow communication over private IP addresses. You cannot enable your VPC for
ClassicLink if any of your VPC's route tables have existing routes for address ranges within the
<code>10.0.0.0/8</code> IP address range, excluding local routes for VPCs in the <code>10.0.0.0/16</code> and
<code>10.1.0.0/16</code> IP address ranges. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the
Amazon Elastic Compute Cloud User Guide.</p>",
   "exceptions" : null,
   "hasBlobMemberAsPayload" : false,
   "input" : {
      "variableDeclarationType" : "EnableVpcClassicLinkRequest",
      "variableName" : "enableVpcClassicLinkRequest",
      "variableType" : "EnableVpcClassicLinkRequest",
      "documentation" : "<p>Contains the parameters for EnableVpcClassicLink.</p>",
      "simpleType" : "EnableVpcClassicLinkRequest",
      "variableSetterType" : "EnableVpcClassicLinkRequest"
   },
   "inputStreamPropertyName" : null,
   "methodName" : "enableVpcClassicLink",
   "operationName" : "EnableVpcClassicLink",
   "returnType" : {
      "returnType" : "EnableVpcClassicLinkResult",
      "documentation" : "<p>Contains the output of EnableVpcClassicLink.</p>"
   },
   "syncReturnType" : "EnableVpcClassicLinkResult"
},

"EnableVpcClassicLinkDnsSupport" : {
   "asyncCallableType" : "java.util.concurrent.Callable<EnableVpcClassicLinkDnsSupportResult>",
   "asyncFutureType" : "java.util.concurrent.Future<EnableVpcClassicLinkDnsSupportResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<EnableVpcClassicLinkDnsSupportRequest,
EnableVpcClassicLinkDnsSupportResult>",
   "asyncReturnType" : "EnableVpcClassicLinkDnsSupportResult",
   "authenticated" : true,
   "deprecated" : false,
Enables a VPC to support DNS hostname resolution for ClassicLink. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see "<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html"">ClassicLink</a>" in the Amazon Elastic Compute Cloud User Guide.

"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
  "variableDeclarationType": "EnableVpcClassicLinkDnsSupportRequest",
  "variableName": "enableVpcClassicLinkDnsSupportRequest",
  "variableType": "EnableVpcClassicLinkDnsSupportRequest",
  "documentation": "Contains the parameters for EnableVpcClassicLinkDnsSupport."",
  "simpleType": "EnableVpcClassicLinkDnsSupportRequest",
  "variableSetterType": "EnableVpcClassicLinkDnsSupportRequest"
},
"inputStreamPropertyName": null,
"methodName": "enableVpcClassicLinkDnsSupport",
"operationName": "EnableVpcClassicLinkDnsSupport",
"returnType": {
  "returnType": "EnableVpcClassicLinkDnsSupportResult",
  "documentation": "Contains the output of EnableVpcClassicLinkDnsSupport.""
},
"syncReturnType": "EnableVpcClassicLinkDnsSupportResult"
},
"GetConsoleOutput": {
  "asyncCallableType": "java.util.concurrent.Callable<GetConsoleOutputResult>",
  "asyncFutureType": "java.util.concurrent.Future<GetConsoleOutputResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<GetConsoleOutputRequest, GetConsoleOutputResult>",
  "asyncReturnType": "GetConsoleOutputResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "Gets the console output for the specified instance. Instances do not have a physical monitor through which you can view their console output. They also lack physical controls that allow you to power up, reboot, or shut them down. To allow these actions, we provide them through the Amazon EC2 API and command line interface."",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "GetConsoleOutputRequest",
    "variableName": "getConsoleOutputRequest",
    "variableType": "GetConsoleOutputRequest",
    "variableSetterType": "GetConsoleOutputRequest"
  }
}
"documentation" : "<p>Contains the parameters for GetConsoleOutput.</p>",
"simpleType" : "GetConsoleOutputRequest",
"variableSetterType" : "GetConsoleOutputRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "getConsoleOutput",
"operationName" : "GetConsoleOutput",
"returnType" : {
  "returnType" : "GetConsoleOutputResult",
  "documentation" : "<p>Contains the output of GetConsoleOutput.</p>",
  "syncReturnType" : "GetConsoleOutputResult"
},
"GetConsoleScreenshot" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetConsoleScreenshotResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetConsoleScreenshotResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetConsoleScreenshotRequest,
GetConsoleScreenshotResult>"
  "asyncReturnTyp...: "<p>Retrieve a JPG-format screenshot of a running instance to help with troubleshooting.</p>
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "GetConsoleScreenshotRequest",
    "variableName" : "getConsoleScreenshotRequest",
    "variableType" : "GetConsoleScreenshotRequest",
    "documentation" : "<p>Contains the parameters for the request.</p>",
    "simpleType" : "GetConsoleScreenshotRequest",
    "variableSetterType" : "GetConsoleScreenshotRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "getConsoleScreenshot",
  "operationName" : "GetConsoleScreenshot",
  "returnType" : {
    "returnType" : "GetConsoleScreenshotResult",
    "documentation" : "<p>Contains the output of the request.</p>",
    "syncReturnType" : "GetConsoleScreenshotResult"
  },
  "GetHostReservationPurchasePreview" : {
    "asyncCallableType" : "java.util.concurrent.Callable<GetHostReservationPurchasePreviewResult>",
    "asyncFutureType" : "java.util.concurrent.Future<GetHostReservationPurchasePreviewResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetHostReservationPurchasePreviewRequest,
GetHostReservationPurchasePreviewResult>",
    "asyncReturnTyp...: "GetHostReservationPurchasePreviewResult"
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Preview a reservation purchase with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation.</p>

This is a preview of the PurchaseHostReservation action and does not result in the offering being purchased.
",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetHostReservationPurchasePreviewRequest",
  "variableName" : "getHostReservationPurchasePreviewRequest",
  "variableType" : "GetHostReservationPurchasePreviewRequest",
  "documentation" : "",
  "simpleType" : "GetHostReservationPurchasePreviewRequest",
  "variableSetterType" : "GetHostReservationPurchasePreviewRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "getHostReservationPurchasePreview",
"operationName" : "GetHostReservationPurchasePreview",
"returnType" : {
  "returnType" : "GetHostReservationPurchasePreviewResult",
  "documentation" : null
},
"syncReturnType" : "GetHostReservationPurchasePreviewResult"
},
"GetPasswordData" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetPasswordDataResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetPasswordDataResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetPasswordDataRequest, GetPasswordDataResult>",
  "asyncReturnType" : "GetPasswordDataResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Retrieves the encrypted administrator password for an instance running Windows.

The Windows password is generated at boot if the EC2Config service plugin, Ec2SetPassword, is enabled. This usually only happens the first time an AMI is launched, and then is automatically disabled. The password is not generated for rebundled AMIs unless Ec2SetPassword is enabled before bundling.

The password is encrypted using the key pair that you specified when you launched the instance. You must provide the corresponding key pair file.

Password generation and encryption takes a few moments. We recommend that you wait up to 15 minutes after launching an instance before trying to retrieve the generated password.
",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetPasswordDataRequest",
  "variableName" : "getPasswordDataRequest",
  "variableType" : "GetPasswordDataRequest",
  "documentation" : "Contains the parameters for GetPasswordData.
"},
"syncReturnType" : "GetPasswordDataResult"
"variableSetterType" : "GetPasswordDataRequest"
],
"inputStreamPropertyName" : null,
"methodName" : "getPasswordData",
"operationName" : "GetPasswordData",
"returnType" : {
  "returnType" : "GetPasswordDataResult",
  "documentation" : "<p>Contains the output of GetPasswordData.</p>"
},
"syncReturnType" : "GetPasswordDataResult"
},
"GetReservedInstancesExchangeQuote" : {
  "asyncCallableType" : "java.util.concurrent.Callable<GetReservedInstancesExchangeQuoteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<GetReservedInstancesExchangeQuoteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<GetReservedInstancesExchangeQuoteRequest, GetReservedInstancesExchangeQuoteResult>",
  "asyncReturnType" : "GetReservedInstancesExchangeQuoteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns details about the values and term of your specified Convertible Reserved Instances. When a target configuration is specified, it returns information about whether the exchange is valid and can be performed.</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetReservedInstancesExchangeQuoteRequest",
  "variableName" : "getReservedInstancesExchangeQuoteRequest",
  "variableType" : "GetReservedInstancesExchangeQuoteRequest",
  "documentation" : "<p>Contains the parameters for GetReservedInstanceExchangeQuote.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "getReservedInstancesExchangeQuote",
"operationName" : "GetReservedInstancesExchangeQuote",
"returnType" : {
  "returnType" : "GetReservedInstancesExchangeQuoteResult",
  "documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>"
},
"syncReturnType" : "GetReservedInstancesExchangeQuoteResult"
},
"ImportImage" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ImportImageResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ImportImageResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportImageRequest, ImportImageResult>",
  "asyncReturnType" : "ImportImageResult",
  "authenticated" : true,
  "deprecated" : false,
Import single or multi-volume disk images or EBS snapshots into an Amazon Machine Image (AMI). For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html">Importing a VM as an Image Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.

```
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ImportImageRequest",
  "variableName" : "importImageRequest",
  "variableType" : "ImportImageRequest",
  "documentation" : "<p>Contains the parameters for ImportImage.</p>",
  "simpleType" : "ImportImageRequest",
  "variableSetterType" : "ImportImageRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "importImage",
"operationName" : "ImportImage",
"returnType" : {
  "returnType" : "ImportImageResult",
  "documentation" : "<p>Contains the output for ImportImage.</p>",
  "syncReturnType" : "ImportImageResult"
},
"ImportInstance" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ImportInstanceResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ImportInstanceResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportInstanceRequest, ImportInstanceResult>",
  "asyncReturnTypeName" : "ImportInstanceResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Creates an import instance task using metadata from the specified disk image. <code>ImportInstance</code> only supports single-volume VMs. To import multi-volume VMs, use <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>. For more information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ImportInstanceRequest",
    "variableName" : "importInstanceRequest",
    "variableType" : "ImportInstanceRequest",
    "documentation" : "<p>Contains the parameters for ImportInstance.</p>",
    "simpleType" : "ImportInstanceRequest",
    "variableSetterType" : "ImportInstanceRequest"
  }
}
```
"inputStreamPropertyName" : null,
"methodName" : "importInstance",
"operationName" : "ImportInstance",
"returnType" : {
    "returnType" : "ImportInstanceResult",
    "documentation" : "<p>Contains the output for ImportInstance.</p>"
},
"syncReturnType" : "ImportInstanceResult"
},
"ImportKeyPair" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ImportKeyPairResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ImportKeyPairResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportKeyPairRequest,
ImportKeyPairResult>",
    "asyncReturnType" : "ImportKeyPairResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Imports the public key from an RSA key pair that you created with a third-party tool. Compare this with <a>CreateKeyPair</a>, in which AWS creates the key pair and gives the keys to you (AWS keeps a copy of the public key). With ImportKeyPair, you create the key pair and give AWS just the public key. The private key is never transferred between you and AWS.</p> For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the Amazon Elastic Compute Cloud User Guide.</p>" ,
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ImportKeyPairRequest",
        "variableName" : "importKeyPairRequest",
        "variableType" : "ImportKeyPairRequest",
        "documentation" : "<p>Contains the parameters for ImportKeyPair.</p>",
        "simpleType" : "ImportKeyPairRequest",
        "variableSetterType" : "ImportKeyPairRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "importKeyPair",
    "operationName" : "ImportKeyPair",
    "returnType" : {
        "returnType" : "ImportKeyPairResult",
        "documentation" : "<p>Contains the output of ImportKeyPair.</p>"
    },
    "syncReturnType" : "ImportKeyPairResult"
},
"ImportSnapshot" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ImportSnapshotResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ImportSnapshotResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportSnapshotRequest,
ImportSnapshotResult>"
"asyncReturnType" : "ImportSnapshotResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Imports a disk into an EBS snapshot."
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "ImportSnapshotRequest",
    "variableName" : "importSnapshotRequest",
    "variableType" : "ImportSnapshotRequest",
    "documentation" : "Contains the parameters for ImportSnapshot."
}
"inputStreamPropertyName" : null,
"methodName" : "importSnapshot",
"operationName" : "ImportSnapshot",
"returnType" : {
    "returnType" : "ImportSnapshotResult",
    "documentation" : "Contains the output for ImportSnapshot."
}
"syncReturnType" : "ImportSnapshotResult" },
"ImportVolume" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ImportVolumeResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ImportVolumeResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ImportVolumeRequest, ImportVolumeResult>",
    "asyncReturnType" : "ImportVolumeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "Creates an import volume task using metadata from the specified disk image. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/importing-your-volumes-into-amazon-ebs.html">Importing Disks to Amazon EBS</a>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "ImportVolumeRequest",
    "variableName" : "importVolumeRequest",
    "variableType" : "ImportVolumeRequest",
    "documentation" : "Contains the parameters for ImportVolume."
}
"inputStreamPropertyName" : null,
"methodName" : "importVolume",
"operationName" : "ImportVolume",
"returnType" : {
  "returnType" : "ImportVolumeResult",
  "documentation" : "<p>Contains the output for ImportVolume.</p>"
},
"syncReturnType" : "ImportVolumeResult"
},
"ModifyHosts" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyHostsResult",
  "asyncFutureType" : "java.util.concurrent.Future<ModifyHostsResult",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyHostsRequest, ModifyHostsResult",
  "asyncReturnType" : "ModifyHostsResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modify the auto-placement setting of a Dedicated Host. When auto-placement is enabled, AWS will place instances that you launch with a tenancy of <code>host</code>, but without targeting a specific host ID, onto any available Dedicated Host in your account which has auto-placement enabled. When auto-placement is disabled, you need to provide a host ID if you want the instance to launch onto a specific host. If no host ID is provided, the instance will be launched onto a suitable host which has auto-placement enabled.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifyHostsRequest",
    "variableName" : "modifyHostsRequest",
    "variableType" : "ModifyHostsRequest",
    "documentation" : "<p>Contains the parameters for ModifyHosts.</p>",
    "simpleType" : "ModifyHostsRequest",
    "variableSetterType" : "ModifyHostsRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifyHosts",
  "operationName" : "ModifyHosts",
  "returnType" : {
    "returnType" : "ModifyHostsResult",
    "documentation" : "<p>Contains the output of ModifyHosts.</p>"
  },
  "syncReturnType" : "ModifyHostsResult"
},
"ModifyIdFormat" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyIdFormatResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifyIdFormatResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyIdFormatRequest, ModifyIdFormatResult>",
  "asyncReturnType" : "ModifyIdFormatResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies the ID format for the specified resource on a per-region basis. You can specify
that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.

This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you’re using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide. Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.

```json
ancements" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ModifyIdFormatRequest",
  "variableName" : "modifyIdFormatRequest",
  "variableType" : "ModifyIdFormatRequest",
  "documentation" : "Contains the parameters of ModifyIdFormat."
},
"inputStreamPropertyName" : null,
"methodName" : "modifyIdFormat",
"operationName" : "ModifyIdFormat",
"returnType" : {
  "returnType" : "ModifyIdFormatResult",
  "documentation" : null
},
"syncReturnType" : "ModifyIdFormatResult"
```
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ModifyIdentityIdFormatRequest",
  "variableName" : "modifyIdentityIdFormatRequest",
  "variableType" : "ModifyIdentityIdFormatRequest",
  "documentation" : "<p>Contains the parameters of ModifyIdentityIdFormat.</p>",
  "simpleType" : "ModifyIdentityIdFormatRequest",
  "variableSetterType" : "ModifyIdentityIdFormatRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyIdentityIdFormat",
"operationName" : "ModifyIdentityIdFormat",
"returnType" : {
  "returnType" : "ModifyIdentityIdFormatResult",
  "documentation" : null
},
"syncReturnType" : "ModifyIdentityIdFormatResult"
},
"ModifyImageAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyImageAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifyImageAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyImageAttributeRequest,
ModifyImageAttributeResult>",
  "asyncReturnType" : "ModifyImageAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies the specified attribute of the specified AMI. You can specify only one attribute at a time.</p> <note> <p>AWS Marketplace product codes cannot be modified. Images with an AWS Marketplace product code cannot be made public.</p> <note> <p>The SriovNetSupport enhanced networking attribute cannot be changed using this command. Instead, enable SriovNetSupport on an instance and create an AMI from the instance. This will result in an image with SriovNetSupport enabled.</p> </note>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifyImageAttributeRequest",
    "variableName" : "modifyImageAttributeRequest",
    "variableType" : "ModifyImageAttributeRequest",
    "documentation" : "<p>Contains the parameters for ModifyImageAttribute.</p>",
    "simpleType" : "ModifyImageAttributeRequest",
    "variableSetterType" : "ModifyImageAttributeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifyImageAttribute",
  "operationName" : "ModifyImageAttribute",
  "returnType" : {
    "returnType" : "ModifyImageAttributeResult",
    "documentation" : null
  }
}
"syncReturnType" : "ModifyImageAttributeResult",
],
"ModifyInstanceAttribute" : {
"asyncCallableType" : "java.util.concurrent.Callable<ModifyInstanceAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<ModifyInstanceAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyInstanceAttributeRequest,
ModifyInstanceAttributeResult>",
"asyncReturnType" : "ModifyInstanceAttributeResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Modifies the specified attribute of the specified instance. You can specify only one
attribute at a time.</p> <p>To modify some attributes, the instance must be stopped. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_ChangingAttributesWhileInstanceStopped.html">Modifying Attributes of a Stopped Instance</a> in the <i>Amazon Elastic Compute Cloud User
Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ModifyInstanceAttributeRequest",
"variableName" : "modifyInstanceAttributeRequest",
"variableType" : "ModifyInstanceAttributeRequest",
"documentation" : "<p>Contains the parameters for ModifyInstanceAttribute.</p>",
"simpleType" : "ModifyInstanceAttributeRequest",
"variableSetterType" : "ModifyInstanceAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyInstanceAttribute",
"operationName" : "ModifyInstanceAttribute",
"returnType" : {
"returnType" : "ModifyInstanceAttributeResult",
"documentation" : null
},
"syncReturnType" : "ModifyInstanceAttributeResult"
},
"ModifyInstancePlacement" : {
"asyncCallableType" : "java.util.concurrent.Callable<ModifyInstancePlacementResult>",
"asyncFutureType" : "java.util.concurrent.Future<ModifyInstancePlacementResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyInstancePlacementRequest,
ModifyInstancePlacementResult>",
"asyncReturnType" : "ModifyInstancePlacementResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Set the instance affinity value for a specific stopped instance and modify the instance
tenancy setting.</p> <p>Instance affinity is disabled by default. When instance affinity is <code>host</code> and it
is not associated with a specific Dedicated Host, the next time it is launched it will automatically be associated with
the host it lands on. This relationship will persist if the instance is stopped/stared, or rebooted.</p> <p>You can
modify the host ID associated with a stopped instance. If a stopped instance has a new host ID association, the
instance will target that host when restarted.</p> <p>You can modify the tenancy of a stopped instance with a
tenancy of <code>host</code> or <code>dedicated</code>.&lt;/p&gt; &lt;p&gt;Affinity, hostID, and tenancy are not required parameters, but at least one of them must be specified in the request. Affinity and tenancy can be modified in the same request, but tenancy can only be modified on instances that are stopped.&lt;/p&gt;

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "ModifyInstancePlacementRequest",
  "variableName" : "modifyInstancePlacementRequest",
  "variableType" : "ModifyInstancePlacementRequest",
  "documentation" : "&lt;p&gt;Contains the parameters for ModifyInstancePlacement.&lt;/p&gt;",
  "simpleType" : "ModifyInstancePlacementRequest",
  "variableSetterType" : "ModifyInstancePlacementRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifyInstancePlacement",
"operationName" : "ModifyInstancePlacement",
"returnType" : {
  "returnType" : "ModifyInstancePlacementResult",
  "documentation" : "&lt;p&gt;Contains the output of ModifyInstancePlacement.&lt;/p&gt;"
},
"syncReturnType" : "ModifyInstancePlacementResult"
},
"ModifyNetworkInterfaceAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable&lt;ModifyNetworkInterfaceAttributeResult&gt;",
  "asyncFutureType" : "java.util.concurrent.Future&lt;ModifyNetworkInterfaceAttributeResult&gt;",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;ModifyNetworkInterfaceAttributeRequest,
ModifyNetworkInterfaceAttributeResult&gt;",
  "asyncReturnTypenumber" : "ModifyNetworkInterfaceAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Modifies the specified network interface attribute. You can specify only one attribute at a time.&lt;/p&gt;",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifyNetworkInterfaceAttributeRequest",
    "variableName" : "modifyNetworkInterfaceAttributeRequest",
    "variableType" : "ModifyNetworkInterfaceAttributeRequest",
    "documentation" : "&lt;p&gt;Contains the parameters for ModifyNetworkInterfaceAttribute.&lt;/p&gt;",
    "simpleType" : "ModifyNetworkInterfaceAttributeRequest",
    "variableSetterType" : "ModifyNetworkInterfaceAttributeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifyNetworkInterfaceAttribute",
  "operationName" : "ModifyNetworkInterfaceAttribute",
  "returnType" : {
    "returnType" : "ModifyNetworkInterfaceAttributeResult",
    "documentation" : null
  },
"syncReturnType" : "ModifyNetworkInterfaceAttributeResult"
},
"ModifyReservedInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyReservedInstancesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifyReservedInstancesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyReservedInstancesRequest, ModifyReservedInstancesResult>",
  "asyncReturnType" : "ModifyReservedInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies the Availability Zone, instance count, instance type, or network platform (EC2-Classic or EC2-VPC) of your Standard Reserved Instances. The Reserved Instances to be modified must be identical, except for Availability Zone, network platform, and instance type.</p> <p>For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-modifying.html">Modifying Reserved Instances</a> in the Amazon Elastic Compute Cloud User Guide.</p>"
},
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ModifyReservedInstancesRequest",
    "variableName" : "modifyReservedInstancesRequest",
    "variableType" : "ModifyReservedInstancesRequest",
    "documentation" : "<p>Contains the parameters for ModifyReservedInstances.</p>"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifyReservedInstances",
  "operationName" : "ModifyReservedInstances",
  "returnType" : {
    "returnType" : "ModifyReservedInstancesResult",
    "documentation" : "<p>Contains the output of ModifyReservedInstances.</p>"
  },
  "syncReturnType" : "ModifyReservedInstancesResult"
},
"ModifySnapshotAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifySnapshotAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifySnapshotAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifySnapshotAttributeRequest, ModifySnapshotAttributeResult>",
  "asyncReturnType" : "ModifySnapshotAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "&lt;p>Adds or removes permission settings for the specified snapshot. You may add or remove specified AWS account IDs from a snapshot's list of create volume permissions, but you cannot do both in a single API call. If you need to both add and remove account IDs for a snapshot, you must use multiple API calls.&lt;/p&gt; &lt;note&gt;&lt;p&gt;Encrypted snapshots and snapshots with AWS Marketplace product codes cannot be made public. Snapshots encrypted with your default CMK cannot be shared with other accounts.&lt;/p&gt; &lt;/note&gt;&lt;p&gt;For more
"documentation" : "<p>Contains the parameters for ModifySpotFleetRequest.</p>",
"simpleType" : "ModifySpotFleetRequestRequest",
"variableSetterType" : "ModifySpotFleetRequestRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "modifySpotFleetRequest",
"operationName" : "ModifySpotFleetRequest",
"returnType" : {
  "returnType" : "ModifySpotFleetRequestResult",
  "documentation" : "<p>Contains the output of ModifySpotFleetRequest.</p>"
},
"syncReturnType" : "ModifySpotFleetRequestResult"
},
"ModifySubnetAttribute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifySubnetAttributeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifySubnetAttributeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifySubnetAttributeRequest,
ModifySubnetAttributeResult>",
  "asyncReturnType" : "ModifySubnetAttributeResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies a subnet attribute. You can only modify one attribute at a time.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
  "variableDeclarationType" : "ModifySubnetAttributeRequest",
  "variableName" : "modifySubnetAttributeRequest",
  "variableType" : "ModifySubnetAttributeRequest",
  "documentation" : "<p>Contains the parameters for ModifySubnetAttribute.</p>",
  "simpleType" : "ModifySubnetAttributeRequest",
  "variableSetterType" : "ModifySubnetAttributeRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "modifySubnetAttribute",
  "operationName" : "ModifySubnetAttribute",
  "returnType" : {
  "returnType" : "ModifySubnetAttributeResult",
  "documentation" : null
  }
},
"syncReturnType" : "ModifySubnetAttributeResult"
},
"ModifyVolume" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ModifyVolumeResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ModifyVolumeResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVolumeRequest,
ModifyVolumeResult>",
  "asyncReturnType" : "ModifyVolumeResult",
  "authenticated" : true,
By default, all I/O operations for the volume are suspended when the data on the volume is determined to be potentially inconsistent, to prevent undetectable, latent data corruption. The I/O access to the volume can be resumed by first enabling I/O access and then checking the data consistency on your volume. You can change the default behavior to resume I/O operations. We recommend that you change this only for boot volumes or for volumes that are stateless or disposable.
"variableDeclarationType": "ModifyVpcAttributeRequest",
"variableName": "modifyVpcAttributeRequest",
"variableType": "ModifyVpcAttributeRequest",
"documentation": "<p>Contains the parameters for ModifyVpcAttribute.</p>",
"simpleType": "ModifyVpcAttributeRequest",
"variableSetterType": "ModifyVpcAttributeRequest"
},
"inputStreamPropertyName": null,
"methodName": "modifyVpcAttribute",
"operationName": "ModifyVpcAttribute",
"returnType": {
  "returnType": "ModifyVpcAttributeResult",
  "documentation": null
},
"syncReturnType": "ModifyVpcAttributeResult"
},
"ModifyVpcEndpoint": {
  "asyncCallableType": "java.util.concurrent.Callable<ModifyVpcEndpointResult>",
  "asyncFutureType": "java.util.concurrent.Future<ModifyVpcEndpointResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ModifyVpcEndpointRequest, ModifyVpcEndpointResult>",
  "asyncReturnType": "ModifyVpcEndpointResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Modifies attributes of a specified VPC endpoint. You can modify the policy associated with the endpoint, and you can add and remove route tables associated with the endpoint.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "ModifyVpcEndpointRequest",
    "variableName": "modifyVpcEndpointRequest",
    "variableType": "ModifyVpcEndpointRequest",
    "documentation": "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
    "simpleType": "ModifyVpcEndpointRequest",
    "variableSetterType": "ModifyVpcEndpointRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "modifyVpcEndpoint",
  "operationName": "ModifyVpcEndpoint",
  "returnType": {
    "returnType": "ModifyVpcEndpointResult",
    "documentation": "<p>Contains the output of ModifyVpcEndpoint.</p>"
  },
  "syncReturnType": "ModifyVpcEndpointResult"
},
"ModifyVpcPeeringConnectionOptions": {
  "asyncCallableType": "java.util.concurrent.Callable<ModifyVpcPeeringConnectionOptionsResult>",
  "asyncFutureType": "java.util.concurrent.Future<ModifyVpcPeeringConnectionOptionsResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ModifyVpcPeeringConnectionOptionsRequest, ModifyVpcPeeringConnectionOptionsResult>",
  "asyncReturnType": "ModifyVpcPeeringConnectionOptionsResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Modifies attributes of a specified VPC peering connection. You can modify the policy associated with the connection, and you can add and remove route tables associated with the connection.</p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "ModifyVpcPeeringConnectionOptionsRequest",
    "variableName": "modifyVpcPeeringConnectionOptionsRequest",
    "variableType": "ModifyVpcPeeringConnectionOptionsRequest",
    "documentation": "<p>Contains the parameters for ModifyVpcPeeringConnectionOptions.</p>",
    "simpleType": "ModifyVpcPeeringConnectionOptionsRequest",
    "variableSetterType": "ModifyVpcPeeringConnectionOptionsRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "modifyVpcPeeringConnectionOptions",
  "operationName": "ModifyVpcPeeringConnectionOptions",
  "returnType": {
    "returnType": "ModifyVpcPeeringConnectionOptionsResult",
    "documentation": "<p>Contains the output of ModifyVpcPeeringConnectionOptions.</p>"
  },
  "syncReturnType": "ModifyVpcPeeringConnectionOptionsResult"
}
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ModifyVpcPeeringConnectionOptionsRequest, ModifyVpcPeeringConnectionOptionsResult>",
"asyncReturnType" : "ModifyVpcPeeringConnectionOptionsResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Modifies the VPC peering connection options on one side of a VPC peering connection.
You can do the following:<p> <ul> <li>Enable/disable communication over the peering connection between an EC2-Classic instance that's linked to your VPC (using ClassicLink) and instances in the peer VPC.</li> <li>Enable/disable communication over the peering connection between between instances in your VPC and an EC2-Classic instance that's linked to the peer VPC.</li> <li>Enable/disable a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</li> </ul> If the peered VPCs are in different accounts, each owner must initiate a separate request to modify the peering connection options, depending on whether their VPC was the requester or accepter for the VPC peering connection. If the peered VPCs are in the same account, you can modify the requester and accepter options in the same request. To confirm which VPC is the accepter and requester for a VPC peering connection, use the <a>DescribeVpcPeeringConnections</a> command.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ModifyVpcPeeringConnectionOptionsRequest",
"variableName" : "modifyVpcPeeringConnectionOptionsRequest",
"variableType" : "ModifyVpcPeeringConnectionOptionsRequest",
"documentation" : "",
"simpleType" : "ModifyVpcPeeringConnectionOptionsRequest",
"variableSetterType" : "ModifyVpcPeeringConnectionOptionsRequest"
}
}
"inputStreamPropertyName" : null,
"methodName" : "modifyVpcPeeringConnectionOptions",
"operationName" : "ModifyVpcPeeringConnectionOptions",
"returnType" : {
"returnType" : "ModifyVpcPeeringConnectionOptionsResult",
"documentation" : null
}
,"syncReturnType" : "ModifyVpcPeeringConnectionOptionsResult"
",
"MonitorInstances" : {
"asyncCallableType" : "java.util.concurrent.Callable<MonitorInstancesResult>",
"asyncFutureType" : "java.util.concurrent.Future<MonitorInstancesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<MonitorInstancesRequest, MonitorInstancesResult>",
"asyncReturnType" : "MonitorInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Enables detailed monitoring for a running instance. Otherwise, basic monitoring is enabled. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-cloudwatch.html"">Monitoring Your Instances and Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>To disable detailed monitoring, see .</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "MonitorInstancesRequest",
  "variableName" : "monitorInstancesRequest",
  "variableType" : "MonitorInstancesRequest",
  "documentation" : "<p>Contains the parameters for MonitorInstances.</p>",
  "simpleType" : "MonitorInstancesRequest",
  "variableSetterType" : "MonitorInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "monitorInstances",
"operationName" : "MonitorInstances",
"returnType" : {
  "returnType" : "MonitorInstancesResult",
  "documentation" : "<p>Contains the output of MonitorInstances.</p>"
},
"syncReturnType" : "MonitorInstancesResult"
},
"MoveAddressToVpc" : {
  "asyncCallableType" : "java.util.concurrent.Callable<MoveAddressToVpcResult>",
  "asyncFutureType" : "java.util.concurrent.Future<MoveAddressToVpcResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<MoveAddressToVpcRequest,
MoveAddressToVpcResult>"
},
"asyncReturnTypes" : "MoveAddressToVpcResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform.
The Elastic IP address must be allocated to your account for more than 24 hours, and it must not be associated with
an instance. After the Elastic IP address is moved, it is no longer available for use in the EC2-Classic platform,
unless you move it back using the <a>RestoreAddressToClassic</a> request. You cannot move an Elastic IP
address that was originally allocated for use in the EC2-VPC platform to the EC2-Classic platform. </p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "MoveAddressToVpcRequest",
  "variableName" : "moveAddressToVpcRequest",
  "variableType" : "MoveAddressToVpcRequest",
  "documentation" : "<p>Contains the parameters for MoveAddressToVpc.</p>",
  "simpleType" : "MoveAddressToVpcRequest",
  "variableSetterType" : "MoveAddressToVpcRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "moveAddressToVpc",
"operationName" : "MoveAddressToVpc",
"returnType" : {
  "returnType" : "MoveAddressToVpcResult",
  "documentation" : "<p>Contains the output of MoveAddressToVpc.</p>"
}
"syncReturnType" : "MoveAddressToVpcResult"
},
"PurchaseHostReservation" : {
"asyncCallableType" : "java.util.concurrent.Callable<PurchaseHostReservationResult>",
"asyncFutureType" : "java.util.concurrent.Future<PurchaseHostReservationResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<PurchaseHostReservationRequest, PurchaseHostReservationResult>",
"asyncReturnType" : "PurchaseHostReservationResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Purchase a reservation with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This action results in the specified reservation being purchased and charged to your account.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "PurchaseHostReservationRequest",
"variableName" : "purchaseHostReservationRequest",
"variableType" : "PurchaseHostReservationRequest",
"documentation" : ",
"simpleType" : "PurchaseHostReservationRequest",
"variableSetterType" : "PurchaseHostReservationRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "purchaseHostReservation",
"operationName" : "PurchaseHostReservation",
"returnType" : {
"returnType" : "PurchaseHostReservationResult",
"documentation" : null
},
"syncReturnType" : "PurchaseHostReservationResult"
},
"PurchaseReservedInstancesOffering" : {
"asyncCallableType" : "java.util.concurrent.Callable<PurchaseReservedInstancesOfferingResult>",
"asyncFutureType" : "java.util.concurrent.Future<PurchaseReservedInstancesOfferingResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<PurchaseReservedInstancesOfferingRequest, PurchaseReservedInstancesOfferingResult>",
"asyncReturnType" : "PurchaseReservedInstancesOfferingResult",
"authenticated" : true,
"deprecated" : false,
Scheduled Instances enable you to purchase Amazon EC2 compute capacity by the hour for a one-year term. Before you can purchase a Scheduled Instance, you must call <a>DescribeScheduledInstanceAvailability</a> to check for available schedules and obtain a purchase token. After you purchase a Scheduled Instance, you must call <a>RunScheduledInstances</a> during each scheduled time period. After you purchase a Scheduled Instance, you can't cancel, modify, or resell your purchase.

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "PurchaseScheduledInstancesRequest",
  "variableName" : "purchaseScheduledInstancesRequest",
  "variableType" : "PurchaseScheduledInstancesRequest",
  "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
  "simpleType" : "PurchaseScheduledInstancesRequest",
  "variableSetterType" : "PurchaseScheduledInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "purchaseScheduledInstances",
"operationName" : "PurchaseScheduledInstances",
"returnType" : {
  "returnType" : "PurchaseScheduledInstancesResult",
  "documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>",
  "syncReturnType" : "PurchaseScheduledInstancesResult"
},
"PurchaseScheduledInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable&lt;PurchaseScheduledInstancesResult&gt;",
  "asyncFutureType" : "java.util.concurrent.Future&lt;PurchaseScheduledInstancesResult&gt;",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;PurchaseScheduledInstancesRequest, PurchaseScheduledInstancesResult&gt;",
  "asyncReturnTypeName" : "PurchaseScheduledInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Purchases one or more Scheduled Instances with the specified schedule.</p>"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "PurchaseScheduledInstancesRequest",
  "variableName" : "purchaseScheduledInstancesRequest",
  "variableType" : "PurchaseScheduledInstancesRequest",
  "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
  "simpleType" : "PurchaseScheduledInstancesRequest",
  "variableSetterType" : "PurchaseScheduledInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "purchaseScheduledInstances",
"operationName" : "PurchaseScheduledInstances",
"returnType" : {
  "returnType" : "PurchaseScheduledInstancesResult",
  "documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>",
  "syncReturnType" : "PurchaseScheduledInstancesResult"
},
"PurchaseScheduledInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable&lt;PurchaseScheduledInstancesResult&gt;",
  "asyncFutureType" : "java.util.concurrent.Future&lt;PurchaseScheduledInstancesResult&gt;",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler&lt;PurchaseScheduledInstancesRequest, PurchaseScheduledInstancesResult&gt;",
  "asyncReturnTypeName" : "PurchaseScheduledInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Purchases one or more Scheduled Instances with the specified schedule.</p>"
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"returnType" : "PurchaseScheduledInstancesResult",
"documentation" : "<p>Contains the output of PurchaseScheduledInstances.</p>"
},
"asyncReturnType" : "PurchaseScheduledInstancesResult"
},
"RebootInstances" : {
"asyncCallableType" : "java.util.concurrent.Callable<RebootInstancesResult>",
"asyncFutureType" : "java.util.concurrent.Future<RebootInstancesResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<RebootInstancesRequest, RebootInstancesResult>",
"asyncReturnType" : "RebootInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Requests a reboot of one or more instances. This operation is asynchronous; it only
queues a request to reboot the specified instances. The operation succeeds if the instances are valid and belong to
you. Requests to reboot terminated instances are ignored.</p> <p>If an instance does not cleanly shut down within
four minutes, Amazon EC2 performs a hard reboot.</p> <p>For more information about troubleshooting, see </p>
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {,
"variableDeclarationType" : "RebootInstancesRequest",
"variableName" : "rebootInstancesRequest",
"variableType" : "RebootInstancesRequest",
"documentation" : "<p>Contains the parameters for RebootInstances.</p>"
}
"inputStreamPropertyName" : null,
"methodName" : "rebootInstances",
"operationName" : "RebootInstances",
"returnType" : {
"returnType" : "RebootInstancesResult",
"documentation" : null
},
"syncReturnType" : "RebootInstancesResult"
},
"RegisterImage" : {
"asyncCallableType" : "java.util.concurrent.Callable<RegisterImageResult>",
"asyncFutureType" : "java.util.concurrent.Future<RegisterImageResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<RegisterImageRequest, RegisterImageResult>",
"asyncReturnType" : "RegisterImageResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Registers an AMI. When you're creating an AMI, this is the final step you must complete
before you can launch an instance from the AMI. For more information about creating AMIs, see </p>
"
Creating Your Own AMIs</p> in the <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami.html">Amazon Elastic Compute Cloud User Guide</a>.</p> <note> For Amazon EBS-backed instances, <code>CreateImage</code> creates and registers the AMI in a single request, so you don't have to register the AMI yourself.</note> <p>You can also use <code>RegisterImage</code> to create an Amazon EBS-backed Linux AMI from a snapshot of a root device volume. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_LaunchingInstanceFromSnapshot.html">Launching Instance from a Snapshot</a> in the Amazon Elastic Compute Cloud User Guide.</p> <important><p>Some Linux distributions, such as Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES), use the EC2 <code>billingProduct</code> code associated with an AMI to verify subscription status for package updates. Creating an AMI from an EBS snapshot does not maintain this billing code, and subsequent instances launched from such an AMI will not be able to connect to package update infrastructure.</p> <p>Similarly, although you can create a Windows AMI from a snapshot, you can't successfully launch an instance from the AMI.</p> <p>To create Windows AMIs or to create AMIs for Linux operating systems that must retain AMI billing codes to work properly, see <a>CreateImage</a>.</p> <important><p>If needed, you can deregister an AMI at any time. Any modifications you make to an AMI backed by an instance store volume invalidates its registration. If you make changes to an image, deregister the previous image and register the new image.</p> <p>You can't register an image where a secondary (non-root) snapshot has AWS Marketplace product codes.</p></important></note>
peering connection request that you initiated, use <a>DeleteVpcPeeringConnection</a>.</p>

"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "RejectVpcPeeringConnectionRequest",
"variableName" : "rejectVpcPeeringConnectionRequest",
"variableType" : "RejectVpcPeeringConnectionRequest",
"documentation" : "Contains the parameters for RejectVpcPeeringConnection.

"simpleType" : "RejectVpcPeeringConnectionRequest",
"variableSetterType" : "RejectVpcPeeringConnectionRequest"
",
"inputStreamPropertyName" : null,
"methodName" : "rejectVpcPeeringConnection",
"operationName" : "RejectVpcPeeringConnection",
"returnType" : {
"returnType" : "RejectVpcPeeringConnectionRequest",
"documentation" : "Contains the output of RejectVpcPeeringConnection.

"syncReturnType" : "RejectVpcPeeringConnectionRequest"
",
"ReleaseAddress" : {
"asyncCallableType" : "java.util.concurrent.Callable<ReleaseAddressResult>",
"asyncFutureType" : "java.util.concurrent.Future<ReleaseAddressResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReleaseAddressRequest,
ReleaseAddressResult>",
"asyncReturnType" : "ReleaseAddressResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "Releases the specified Elastic IP address. After releasing an Elastic IP address, it is released to the IP address pool and might be unavailable to you. Be sure to update your DNS records and any servers or devices that communicate with the address. If you attempt to release an Elastic IP address that you already released, you’ll get an <code>AuthFailure</code> error if the address is already allocated to another AWS account. [EC2-Classic, default VPC] Releasing an Elastic IP address automatically disassociates it from any instance that it’s associated with. To disassociate an Elastic IP address without releasing it, use <a>DisassociateAddress</a>. [Nondefault VPC] You must use <a>DisassociateAddress</a> to disassociate the Elastic IP address before you try to release it. Otherwise, Amazon EC2 returns an error (<code>InvalidIPAddress.InUse</code>).",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "releaseAddressRequest",
"variableType" : "ReleaseAddressRequest",
"documentation" : "Contains the parameters for ReleaseAddress.

"simpleType" : "ReleaseAddressRequest",
"variableSetterType" : "ReleaseAddressRequest"
",
"inputStreamPropertyName" : null,
"methodName" : "releaseAddress",
"operationName" : "ReleaseAddress",
"returnType" : {
    "returnType" : "ReleaseAddressResult",
    "documentation" : null
},
"syncReturnType" : "ReleaseAddressResult"
},
"ReleaseHosts" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ReleaseHostsResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ReleaseHostsResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReleaseHostsRequest, ReleaseHostsResult>",
    "asyncReturnType" : "ReleaseHostsResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>When you no longer want to use an On-Demand Dedicated Host it can be released. On-Demand billing is stopped and the host goes into <code>released</code> state. The host ID of Dedicated Hosts that have been released can no longer be specified in another request, e.g., ModifyHosts. You must stop or terminate all instances on a host before it can be released.</p> <p>When Dedicated Hosts are released, it make take some time for them to stop counting toward your limit and you may receive capacity errors when trying to allocate new Dedicated hosts. Try waiting a few minutes, and then try again.</p> <p>Released hosts will still appear in a <a>DescribeHosts</a> response.</p>"",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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    "variableName" : "releaseHostsRequest",
    "variableType" : "ReleaseHostsRequest",
    "documentation" : "<p>Contains the parameters for ReleaseHosts.</p>",
    "simpleType" : "ReleaseHostsRequest",
    "variableSetterType" : "ReleaseHostsRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "releaseHosts",
"operationName" : "ReleaseHosts",
"returnType" : {
    "returnType" : "ReleaseHostsResult",
    "documentation" : "<p>Contains the output of ReleaseHosts.</p>"
},
"syncReturnType" : "ReleaseHostsResult"
},
"ReplaceIamInstanceProfileAssociation" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ReplaceIamInstanceProfileAssociationResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ReplaceIamInstanceProfileAssociationResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceIamInstanceProfileAssociationRequest, ReplaceIamInstanceProfileAssociationResult>",
    "asyncReturnType" : "ReplaceIamInstanceProfileAssociationResult",
    "authenticated" : true,
"deprecated": false,
"documentation": "<p>Replaces an IAM instance profile for the specified running instance. You can use this action to change the IAM instance profile that's associated with an instance without having to disassociate the existing IAM instance profile first.</p>
<p>Use <a>DescribeIamInstanceProfileAssociations</a> to get the association ID.</p>
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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    "variableType": "ReplaceIamInstanceProfileAssociationRequest",
    "documentation": "",
    "simpleType": "ReplaceIamInstanceProfileAssociationRequest",
    "variableSetterType": "ReplaceIamInstanceProfileAssociationRequest"
}
"inputStreamPropertyName": null,
"methodName": "replaceIamInstanceProfileAssociation",
"operationName": "ReplaceIamInstanceProfileAssociation",
"returnType": {
    "returnType": "ReplaceIamInstanceProfileAssociationResult",
    "documentation": null
}
"syncReturnType": "ReplaceIamInstanceProfileAssociationResult"
"ReplaceNetworkAclAssociation": {
    "asyncCallableType": "java.util.concurrent.Callable<ReplaceNetworkAclAssociationResult>",
    "asyncFutureType": "java.util.concurrent.Future<ReplaceNetworkAclAssociationResult>",
    "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<ReplaceNetworkAclAssociationRequest, ReplaceNetworkAclAssociationResult>",
    "asyncReturnType": "ReplaceNetworkAclAssociationResult",
    "authenticated": true,
    "deprecated": false,
    "documentation": "<p>Changes which network ACL a subnet is associated with. By default when you create a subnet, it's automatically associated with the default network ACL. For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>
"exceptions": null,
"hasBlobMemberAsPayload": false,
"input": {
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    "variableType": "ReplaceNetworkAclAssociationRequest",
    "documentation": "<p>Contains the parameters for ReplaceNetworkAclAssociation.</p>
    "simpleType": "ReplaceNetworkAclAssociationRequest",
    "variableSetterType": "ReplaceNetworkAclAssociationRequest"
}
"inputStreamPropertyName": null,
"methodName": "replaceNetworkAclAssociation"
"operationName" : "ReplaceNetworkAclAssociation",
"returnType" : {
  "returnType" : "ReplaceNetworkAclAssociationResult",
  "documentation" : "<p>Contains the output of ReplaceNetworkAclAssociation.</p>"
},
"syncReturnType" : "ReplaceNetworkAclAssociationResult"
},
"ReplaceNetworkAclEntry" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceNetworkAclEntryResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceNetworkAclEntryResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceNetworkAclEntryRequest, ReplaceNetworkAclEntryResult>",
  "asyncReturnType" : "ReplaceNetworkAclEntryResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Replaces an entry (rule) in a network ACL. For more information about network ACLs,
  see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
  the Amazon Virtual Private Cloud User Guide</i>.</p>",
  "exceptions" : null,
  "hasBlobMemberAsPayload" : false,
  "input" : {
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    "variableName" : "replaceNetworkAclEntryRequest",
    "variableType" : "ReplaceNetworkAclEntryRequest",
    "documentation" : "<p>Contains the parameters for ReplaceNetworkAclEntry.</p>
  
    "simpleType" : "ReplaceNetworkAclEntryRequest",
    "variableSetterType" : "ReplaceNetworkAclEntryRequest"
  },
  "inputStreamPropertyName" : null,
  "methodName" : "replaceNetworkAclEntry",
  "operationName" : "ReplaceNetworkAclEntry",
  "returnType" : {
    "returnType" : "ReplaceNetworkAclEntryResult",
    "documentation" : null
  },
  "syncReturnType" : "ReplaceNetworkAclEntryResult"
},
"ReplaceRoute" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceRouteResult>",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceRouteResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceRouteRequest, ReplaceRouteResult>",
  "asyncReturnType" : "ReplaceRouteResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Replaces an existing route within a route table in a VPC. You must provide only one of
  the following: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection,
  network interface, or egress-only Internet gateway.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in
the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

"exceptions" : null,
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"input" : {
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  "variableName" : "replaceRouteRequest",
  "variableType" : "ReplaceRouteRequest",
  "documentation" : "<p>Contains the parameters for ReplaceRoute.\</p>",
  "simpleType" : "ReplaceRouteRequest",
  "variableSetterType" : "ReplaceRouteRequest"
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"inputStreamPropertyName" : null,
"methodName" : "replaceRoute",
"operationName" : "ReplaceRoute",
"returnType" : {
  "syncReturnType" : "ReplaceRouteResult"
},
"ReplaceRouteTableAssociation" : {
  "asyncCallableType" : "java.util.concurrent.Callable<ReplaceRouteTableAssociationResult>"",
  "asyncFutureType" : "java.util.concurrent.Future<ReplaceRouteTableAssociationResult>"",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReplaceRouteTableAssociationRequest, ReplaceRouteTableAssociationResult>"",
  "asyncReturnType" : "ReplaceRouteTableAssociationResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Changes the route table associated with a given subnet in a VPC. After the operation completes, the subnet uses the routes in the new route table it's associated with. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.\</p>\p>You can also use ReplaceRouteTableAssociation to change which table is the main route table in the VPC. You just specify the main route table's association ID and the route table to be the new main route table.\</p>"
},
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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  "variableName" : "replaceRouteTableAssociationRequest",
  "variableType" : "ReplaceRouteTableAssociationRequest",
  "documentation" : "<p>Contains the parameters for ReplaceRouteTableAssociation.\</p>",
  "simpleType" : "ReplaceRouteTableAssociationRequest",
  "variableSetterType" : "ReplaceRouteTableAssociationRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "replaceRouteTableAssociation",
"operationName" : "ReplaceRouteTableAssociation",
"returnType" : {"returnType" : "ReplaceRouteTableAssociationResult"}
"returnType" : "ReplaceRouteTableAssociationResult",
"documentation" : "<p>Contains the output of ReplaceRouteTableAssociation.</p>
",
"syncReturnType" : "ReplaceRouteTableAssociationResult"

"ReportInstanceStatus" : {
"asyncCallableType" : "java.util.concurrent.Callable<ReportInstanceStatusResult>",
"asyncFutureType" : "java.util.concurrent.Future<ReportInstanceStatusResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ReportInstanceStatusRequest, ReportInstanceStatusResult>",
"asyncReturn-type" : "ReportInstanceStatusResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Submits feedback about the status of an instance. The instance must be in the <code>running</code> state. If your experience with the instance differs from the instance status returned by <a>DescribeInstanceStatus</a>, use <a>ReportInstanceStatus</a> to report your experience with the instance. Amazon EC2 collects this information to improve the accuracy of status checks.</p>
<p>Use of this action does not change the value returned by <a>DescribeInstanceStatus</a>.</p>"",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ReportInstanceStatusRequest",
"variableName" : "reportInstanceStatusRequest",
"variableType" : "ReportInstanceStatusRequest",
"documentation" : "<p>Contains the parameters for ReportInstanceStatus.</p>",
"simpleType" : "ReportInstanceStatusRequest",
"variableSetterType" : "ReportInstanceStatusRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "reportInstanceStatus",
"operationName" : "ReportInstanceStatus",
"returnType" : {
"returnType" : "ReportInstanceStatusResult",
"documentation" : null
},
"syncReturnType" : "ReportInstanceStatusResult"

"RequestSpotFleet" : {
"asyncCallableType" : "java.util.concurrent.Callable<RequestSpotFleetResult>",
"asyncFutureType" : "java.util.concurrent.Future<RequestSpotFleetResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<RequestSpotFleetRequest, RequestSpotFleetResult>",
"asyncReturnType" : "RequestSpotFleetResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a Spot fleet request. You can submit a single request that includes multiple launch specifications that vary by instance type, AMI, Availability Zone, or subnet.</p>
<p>By default, the Spot fleet requests Spot instances in the Spot pool where the price per unit is the lowest. Each launch specification
can include its own instance weighting that reflects the value of the instance type to your application workload. Alternatively, you can specify that the Spot fleet distribute the target capacity across the Spot pools included in its launch specifications. By ensuring that the Spot instances in your Spot fleet are in different Spot pools, you can improve the availability of your fleet. For more information, see Spot Fleet Requests in the Amazon Elastic Compute Cloud User Guide.

```
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"hasBlobMemberAsPayload": false,
"input": {
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  "variableName": "requestSpotFleetRequest",
  "variableType": "RequestSpotFleetRequest",
  "documentation": "Contains the parameters for RequestSpotFleet."
},
"InputStreamPropertyName": null,
"methodName": "requestSpotFleet",
"operationName": "RequestSpotFleet",
"returnType": {
  "returnType": "RequestSpotFleetResult",
  "documentation": "Contains the output of RequestSpotFleet."
},
"syncReturnType": "RequestSpotFleetResult"
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"inputStreamPropertyName" : null,
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"operationName" : "RequestSpotInstances",
"returnType" : {
    "returnType" : "RequestSpotInstancesResult",
    "documentation" : "<p>Contains the output of RequestSpotInstances.</p>
},
"syncReturnType" : "RequestSpotInstancesResult"
},
"ResetImageAttribute" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ResetImageAttributeResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ResetImageAttributeResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ResetImageAttributeRequest, ResetImageAttributeResult>",
    "asyncReturnType" : "ResetImageAttributeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Resets an attribute of an AMI to its default value.</p> <note> <p>The productCodes attribute can't be reset.</p> </note>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "ResetImageAttributeRequest",
    "variableName" : "resetImageAttributeRequest",
    "variableType" : "ResetImageAttributeRequest",
    "documentation" : "<p>Contains the parameters for ResetImageAttribute.</p>",
    "simpleType" : "ResetImageAttributeRequest",
    "variableSetterType" : "ResetImageAttributeRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "resetImageAttribute",
"operationName" : "ResetImageAttribute",
"returnType" : {
    "returnType" : "ResetImageAttributeResult",
    "documentation" : null
},
"syncReturnType" : "ResetImageAttributeResult"
},
"ResetInstanceAttribute" : {
    "asyncCallableType" : "java.util.concurrent.Callable<ResetInstanceAttributeResult>",
    "asyncFutureType" : "java.util.concurrent.Future<ResetInstanceAttributeResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ResetInstanceAttributeRequest, ResetInstanceAttributeResult>",
    "asyncReturnType" : "ResetInstanceAttributeResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Resets an attribute of an instance to its default value. To reset the <code>kernel</code> or <code>ramdisk</code>, the instance must be in a stopped state. To reset the <code>sourceDestCheck</code>,
The <code>sourceDestCheck</code> attribute controls whether source/destination checking is enabled. The default value is <code>true</code>, which means checking is enabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.
"ResetSnapshotAttribute" : {
"asyncCallableType" : "java.util.concurrent.Callable<ResetSnapshotAttributeResult>",
"asyncFutureType" : "java.util.concurrent.Future<ResetSnapshotAttributeResult>",
"asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<ResetSnapshotAttributeRequest,
ResetSnapshotAttributeResult>",
"asyncReturnType" : "ResetSnapshotAttributeResult",
"authenticated" : true,
"deprecated" : false,
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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"variableName" : "resetSnapshotAttributeRequest",
"variableType" : "ResetSnapshotAttributeRequest",
"documentation" : "<p>Contains the parameters for ResetSnapshotAttribute.</p>"
},
"inputStreamPropertyName" : null,
"methodName" : "resetSnapshotAttribute",
"operationName" : "ResetSnapshotAttribute",
"returnType" : {
"returnType" : "ResetSnapshotAttributeResult",
"documentation" : null
},
"syncReturnType" : "ResetSnapshotAttributeResult"
"input": {
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  "variableType": "RestoreAddressToClassicRequest",
  "documentation": "<p>Contains the parameters for RestoreAddressToClassic.</p>",
  "simpleType": "RestoreAddressToClassicRequest",
  "variableSetterType": "RestoreAddressToClassicRequest"
},
"inputStreamPropertyName": null,
"methodName": "restoreAddressToClassic",
"operationName": "RestoreAddressToClassic",
"returnType": {
  "returnType": "RestoreAddressToClassicResult",
  "documentation": "<p>Contains the output of RestoreAddressToClassic.</p>",
  "syncReturnType": "RestoreAddressToClassicResult"
},
"RevokeSecurityGroupEgress": {
  "asyncCallableType": "java.util.concurrent.Callable<RevokeSecurityGroupEgressResult>",
  "asyncFutureType": "java.util.concurrent.Future<RevokeSecurityGroupEgressResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<RevokeSecurityGroupEgressRequest, RevokeSecurityGroupEgressResult>",
  "asyncReturnTypeName": "RevokeSecurityGroupEgressResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>[EC2-VPC only] Removes one or more egress rules from a security group for EC2-VPC. This action doesn't apply to security groups for use in EC2-Classic. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be revoked.</p> <p>Each rule consists of the protocol and the IPv4 or IPv6 CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code.</p> <p>Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p> ",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "RevokeSecurityGroupEgressRequest",
    "variableName": "revokeSecurityGroupEgressRequest",
    "variableType": "RevokeSecurityGroupEgressRequest",
    "documentation": "<p>Contains the parameters for RevokeSecurityGroupEgress.</p>",
    "simpleType": "RevokeSecurityGroupEgressRequest",
    "variableSetterType": "RevokeSecurityGroupEgressRequest"
  },
  "inputStreamPropertyName": null,
  "methodName": "revokeSecurityGroupEgress",
  "operationName": "RevokeSecurityGroupEgress",
  "returnType": {
    "returnType": "RevokeSecurityGroupEgressResult",
    "documentation": null
<p>Removes one or more ingress rules from a security group. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be removed.</p>

<p>Each rule consists of the protocol and the CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code.</p>

<p>Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p>

<p>Launches the specified number of instances using an AMI for which you have permissions.</p>

<p>You can specify a number of options, or leave the default options. The following rules apply:</p>

<ul>
<li>[EC2-VPC] If you don't specify a subnet ID, we choose a default subnet from your default VPC for you. If you don't have a default VPC, you must specify a subnet ID in the request.</li>
<li>[EC2-Classic] If don't specify an Availability Zone, we choose one for you.</li>
<li>Some instance types must
be launched into a VPC. If you do not have a default VPC, or if you do not specify a subnet ID, the request fails. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-vpc.html#vpc-only-instance-types">Instance Types Available Only in a VPC</a>. If you don't specify this address, we choose one from the IPv4 range of your subnet.</li> <li>Not all instance types support IPv6 addresses. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>.</li> 

If you don't specify a security group ID, we use the default security group. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-network-security.html">Security Groups</a>.</li> <li>If any of the AMIs have a product code attached for which the user has not subscribed, the request fails.</li> <li>To ensure faster instance launches, break up large requests into smaller batches. For example, create 5 separate launch requests for 100 instances each instead of 1 launch request for 500 instances.</li> <li>An instance is ready for you to use when it's in the <code>running</code> state. You can check the state of your instance using <code>DescribeInstances</code>. After launch, you can apply tags to your running instance (requires a resource ID). For more information, see <code>CreateTags</code> and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Amazon EC2 Resources</a>.</li> <li>Linux instances have access to the public key of the key pair at boot. You can use this key to provide secure access to the instance. Amazon EC2 public images use this feature to provide secure access without passwords. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</li> <li>For troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_InstanceStraightToTerminated.html">What To Do If An Instance Immediately Terminates</a>, and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesConnecting.html">Troubleshooting Connecting to Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</li>
"asyncReturnType" : "RunScheduledInstancesResult",
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Launches the specified Scheduled Instances.</p> <p>Before you can launch a Scheduled Instance, you must purchase it and obtain an identifier using <a>PurchaseScheduledInstances</a>.</p> <p>You must launch a Scheduled Instance during its scheduled time period. You can't stop or reboot a Scheduled Instance, but you can terminate it as needed. If you terminate a Scheduled Instance before the current scheduled time period ends, you can launch it again after a few minutes. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-scheduled-instances.html">Scheduled Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "RunScheduledInstancesRequest",
  "variableName" : "runScheduledInstancesRequest",
  "variableType" : "RunScheduledInstancesRequest",
  "documentation" : "<p>Contains the parameters for RunScheduledInstances.</p>",
  "simpleType" : "RunScheduledInstancesRequest",
  "variableSetterType" : "RunScheduledInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "runScheduledInstances",
"operationName" : "RunScheduledInstances",
"returnType" : {
  "returnType" : "RunScheduledInstancesResult",
  "documentation" : "<p>Contains the output of RunScheduledInstances.</p>
"},
"syncReturnType" : "RunScheduledInstancesResult"
},
"StartInstances" : {
  "asyncCallableType" : "java.util.concurrent.Callable<StartInstancesResult>",
  "asyncFutureType" : "java.util.concurrent.Future<StartInstancesResult>",
  "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<StartInstancesRequest, StartInstancesResult>",
  "asyncReturnType" : "StartInstancesResult",
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Starts an Amazon EBS-backed AMI that you've previously stopped.</p> <p>Instances that use Amazon EBS volumes as their root devices can be quickly stopped and started. When an instance is stopped, the compute resources are released and you are not billed for hourly instance usage. However, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. You can restart your instance at any time. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html">Stopping Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
   "variableDeclarationType" : "StartInstancesRequest",
   "variableName" : "startInstancesRequest",
   "variableType" : "StartInstancesRequest",
   "documentation" : "<p>Contains the parameters for StartInstances.</p>",
   "simpleType" : "StartInstancesRequest",
   "variableSetterType" : "StartInstancesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "startInstances",
"operationName" : "StartInstances",
"returnType" : {
   "returnType" : "StartInstancesResult",
   "documentation" : "<p>Contains the output of StartInstances.</p>",
   "syncReturnType" : "StartInstancesResult"
},
"StopInstances" : {
   "asyncCallableType" : "java.util.concurrent.Callable<StopInstancesResult>",
   "asyncFutureType" : "java.util.concurrent.Future<StopInstancesResult>",
   "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<StopInstancesRequest, StopInstancesResult>",
   "asyncReturnType" : "StopInstancesResult",
   "authenticated" : true,
   "deprecated" : false,
   "documentation" : "<p>Stops an Amazon EBS-backed instance.</p> <p>We don't charge hourly usage for a stopped instance, or data transfer fees; however, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>You can't start or stop Spot instances, and you can't stop instance store-backed instances.</p> <p>When you stop an instance, we shut it down. You can restart your instance at any time. Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p> <p>Stops an instance is different to rebooting or terminating it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, the root device and any other devices attached during the instance launch are automatically deleted. For more information about the differences between rebooting, stopping, and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>When you stop an instance, we attempt to shut it down forcibly after a short while. If your instance appears stuck in the stopping state after a period of time, there may be an issue with the underlying host computer. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesStopping.html">Troubleshooting Stopping Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>".
"exceptions" : null,
"hasBlobMemberAsPayload" : false,
"input" : {
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   "variableName" : "stopInstancesRequest",
   "variableType" : "StopInstancesRequest"}
"documentation": "<p>Contains the parameters for StopInstances. </p>",
"simpleType": "StopInstancesRequest",
"variableSetterType": "StopInstancesRequest"
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"inputStreamPropertyName": null,
"methodName": "stopInstances",
"operationName": "StopInstances",
"returnType": {
  "returnType": "StopInstancesResult",
  "documentation": "<p>Contains the output of StopInstances. </p>",
  "syncReturnType": "StopInstancesResult"
},
"TerminateInstances": {
  "asyncCallableType": "java.util.concurrent.Callable<TerminateInstancesResult>",
  "asyncFutureType": "java.util.concurrent.Future<TerminateInstancesResult>",
  "asyncHandlerType": "com.amazonaws.handlers.AsyncHandler<TerminateInstancesRequest,
TerminateInstancesResult>",
  "asyncReturn_type": "TerminateInstancesResult",
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Shuts down one or more instances. This operation is idempotent; if you terminate an instance more than once, each call succeeds. <p> <p>If you specify multiple instances and the request fails (for example, because of a single incorrect instance ID), none of the instances are terminated. </p> <p>Terminated instances remain visible after termination (for approximately one hour). </p> <p>By default, Amazon EC2 deletes all EBS volumes that were attached when the instance launched. Volumes attached after instance launch continue running. </p> <p>You can stop, start, and terminate EBS-backed instances. You can only terminate instance store-backed instances. What happens to an instance differs if you stop it or terminate it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, any attached EBS volumes with the <code>DeleteOnTermination</code> block device mapping parameter set to <code>true</code> are automatically deleted. For more information about the differences between stopping and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p> <p>For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesShuttingDown.html">Troubleshooting Terminating Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>",
  "exceptions": null,
  "hasBlobMemberAsPayload": false,
  "input": {
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    "variableName": "terminateInstancesRequest",
    "variableType": "TerminateInstancesRequest",
    "documentation": "<p>Contains the parameters for TerminateInstances. </p>",
    "simpleType": "TerminateInstancesRequest",
    "variableSetterType": "TerminateInstancesRequest"
  },
  "inputStreamPropertyName": null,
  "method_name": "terminateInstances"
"operationName" : "TerminateInstances",
"returnType" : {
    "returnType" : "TerminateInstancesResult",
    "documentation" : "<p>Contains the output of TerminateInstances.</p>"
},
"syncReturnType" : "TerminateInstancesResult"
},
"UnassignIpv6Addresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<UnassignIpv6AddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<UnassignIpv6AddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnassignIpv6AddressesRequest,
UnassignIpv6AddressesResult>",
    "asyncReturnType" : "UnassignIpv6AddressesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Unassigns one or more IPv6 addresses from a network interface.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "UnassignIpv6AddressesRequest",
        "documentation" : "",
        "simpleType" : "UnassignIpv6AddressesRequest",
        "variableSetterType" : "UnassignIpv6AddressesRequest"
    },
    "inputStreamPropertyName" : null,
    "methodName" : "unassignIpv6Addresses",
    "operationName" : "UnassignIpv6Addresses",
    "returnType" : {
        "returnType" : "UnassignIpv6AddressesResult",
        "documentation" : null
    },
    "syncReturnType" : "UnassignIpv6AddressesResult"
},
"UnassignPrivateIpAddresses" : {
    "asyncCallableType" : "java.util.concurrent.Callable<UnassignPrivateIpAddressesResult>",
    "asyncFutureType" : "java.util.concurrent.Future<UnassignPrivateIpAddressesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnassignPrivateIpAddressesRequest,
UnassignPrivateIpAddressesResult>",
    "asyncReturnType" : "UnassignPrivateIpAddressesResult",
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Unassigns one or more secondary private IP addresses from a network interface.</p>",
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "UnassignPrivateIpAddressesRequest",
        "documentation" : "",
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        "variableSetterType" : "UnassignPrivateIpAddressesRequest"}
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"variableType" : "UnassignPrivateIpAddressesRequest",
"documentation" : "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
"simpleType" : "UnassignPrivateIpAddressesRequest",
"variableSetterType" : "UnassignPrivateIpAddressesRequest"
},
"inputStreamPropertyName" : null,
"methodName" : "unassignPrivateIpAddresses",
"operationName" : "UnassignPrivateIpAddresses",
"returnType" : {
    "returnType" : "UnassignPrivateIpAddressesResult",
    "documentation" : null
},
"syncReturnType" : "UnassignPrivateIpAddressesResult"
},
"UnmonitorInstances" : {
    "asyncCallableType" : "java.util.concurrent.Callable<UnmonitorInstancesResult>>",
    "asyncFutureType" : "java.util.concurrent.Future<UnmonitorInstancesResult>",
    "asyncHandlerType" : "com.amazonaws.handlers.AsyncHandler<UnmonitorInstancesRequest,
UnmonitorInstancesResult>>",
    "asyncReturnType" : "UnmonitorInstancesResult",
    "authenticated" : true,
    "deprecated" : false,
    "exceptions" : null,
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableName" : "unmonitorInstancesRequest",
        "variableType" : "UnmonitorInstancesRequest",
        "documentation" : "<p>Contains the parameters for UnmonitorInstances.</p>",
        "simpleType" : "UnmonitorInstancesRequest",
        "variableSetterType" : "UnmonitorInstancesRequest"
    },
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    "methodName" : "unmonitorInstances",
    "operationName" : "UnmonitorInstances",
    "returnType" : {
        "returnType" : "UnmonitorInstancesResult",
        "documentation" : "<p>Contains the output of UnmonitorInstances.</p>"
    },
    "syncReturnType" : "UnmonitorInstancesResult"
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"shapes" : {
    "AcceptReservedInstancesExchangeQuoteRequest" : {

"c2jName" : "AcceptReservedInstancesExchangeQuoteRequest",
"customization" : {
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  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for accepting the quote.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ReservedInstanceIds",
  "c2jShape" : "ReservedInstanceIdSet",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>\n@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstanceIds",
  "getterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>\n@return The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
  "getterMethodName" : "getReservedInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "ReservedInstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
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"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "ReservedInstanceIds",
"setterDocumentation": "<p>The IDs of theConvertible Reserved Instances to exchange for other
Convertible Reserved Instances of the same or higher value.</p>\n@param reservedInstanceIds The IDs of the
Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
"setterMethodName": "setReservedInstanceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "reservedInstanceIds",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.\n * \n * NOTE: This method appends the values to the existing list (if any). Use \{ @link #setReservedInstanceIds(java.util.Collection) \} or \{ @link #withReservedInstanceIds(java.util.Collection) \} if you want to override the existing values.\n * \n * @param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.\n * @return Returns a reference to this object so that method calls can be chained together.*\n */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.\n",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
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"c2jName" : "TargetConfigurations",
"c2jShape" : "TargetConfigurationRequestSet",
"deprecated" : false,
"fluentSetterDocumentation" : "/**\n * The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.\n * \n * @param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.\n * @return Returns a reference to this object so that method calls can be chained together.*\n */",
"fluentSetterMethodName" : "withTargetConfigurations",
"getterDocumentation" : "/**\n * The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.\n * \n * @return The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.\n */",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
"returnType" : "java.util.List<TargetConfigurationRequest>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetConfiguration",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "TargetConfigurationRequest",
"deprecated" : false,
"documentation" : "$",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getterModel" : {
"returnType" : "TargetConfigurationRequest",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetConfigurationRequest",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableType" : "TargetConfigurationRequest",
    "documentation" : "",
    "simpleType" : "TargetConfigurationRequest",
    "variableSetterType" : "TargetConfigurationRequest"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "member",
    "variableType" : "TargetConfigurationRequest",
    "documentation" : "",
    "simpleType" : "TargetConfigurationRequest",
    "variableSetterType" : "TargetConfigurationRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "TargetConfigurationRequest",
"memberType" : "TargetConfigurationRequest",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetConfigurationRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType" : "java.util.List<TargetConfigurationRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
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    "variableName" : "targetConfigurations",
    "variableType" : "TargetConfigurationRequest",
    "documentation" : "",
    "simpleType" : "TargetConfigurationRequest",
    "variableSetterType" : "TargetConfigurationRequest"
},
"xmlNameSpaceUri" : null
}
"variableName": "targetConfigurations",
"variableType": "java.util.List<TargetConfigurationRequest>",
"documentation": "",
"simpleType": "List<TargetConfigurationRequest>",
"variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setTargetConfigurations(java.util.Collection) or @link #withTargetConfigurations(java.util.Collection) if you want to override the existing values.</p>
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableName": "targetConfigurations",
"variableType": "java.util.List<TargetConfigurationRequest>",
"documentation": "<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>
"simpleType": "List<TargetConfigurationRequest>",
"variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
"ReservedInstanceIds": {
"c2jName": "ReservedInstanceIds",
"c2jShape": "ReservedInstanceIdSet",
"deprecated": false,
"documentation": "<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReservedInstanceIds",
"getterDocumentation": "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>
@return The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
"getterMethodName": "getReservedInstanceIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**\n@return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
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      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ReservedInstanceId",
      "uri" : false
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@param member */",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.*/",
"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "complexType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.<br><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstanceIds(java.util.Collection)} or {@link #withReservedInstanceIds(java.util.Collection)} if you want to override the existing values.<br><br>@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.<br><br>@return Returns a reference to this object so that method calls can be chained together.*/
  ",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "reservedInstanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange for other Convertible Reserved Instances of the same or higher value.</p>",
    "complexType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null,
},
  "TargetConfigurations" : {
    "c2jName" : "TargetConfigurations",
    "c2jShape" : "TargetConfigurationRequestSet",
    "deprecated" : false,
    "documentation" : "<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.<br><br>@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.<br><br>@return Returns a reference to this object so that method calls can be chained together.*/
  ",
    "fluentSetterMethodName" : "withTargetConfigurations",
    "getterDocumentation" : "/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.<br><br>@return The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.<br><br>*/
  ",
    "getterMethodName" : "getTargetConfigurations",
    "getterModel" : {
      "returnType" : "java.util.List<
TargetConfigurationRequest>",
      "documentation" : null,
    },
    "http" : {
}
**setterDocumentation**: 
```java
/**
@param member */
```

**setterMethodName**: "setMember",

**setterModel**: {

**variableDeclarationType**: "TargetConfigurationRequest",
**variableName**: "member",
**variableType**: "TargetConfigurationRequest",
**documentation**: "",
**simpleType**: "TargetConfigurationRequest",
**variableSetterType**: "TargetConfigurationRequest"
},

**simple**: false,

**varargSetterDocumentation**: 
```java
/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable**: {

**variableDeclarationType**: "TargetConfigurationRequest",
**variableName**: "member",
**variableType**: "TargetConfigurationRequest",
**documentation**: "",
**simpleType**: "TargetConfigurationRequest",
**variableSetterType**: "TargetConfigurationRequest"
},

**xmlNameSpaceUri**: null
},

**memberLocationName**: "TargetConfigurationRequest",

**memberType**: "TargetConfigurationRequest",

**map**: false,

**marshallNonAutoConstructedEmptyLists**: false,

**memberAdditionalMarshallingPath**: null,

**memberAdditionalUnmarshallingPath**: null,

**sendEmptyQueryString**: false,

**simple**: false,

**simpleType**: "TargetConfigurationRequest",

**templateImplType**: "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",

**templateType**: "java.util.List<TargetConfigurationRequest>"
},

**map**: false,

**mapModel**: null,

**name**: "TargetConfigurations",

**setterDocumentation**: 
```html
/**<p>The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.</p>
@param targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.*/
```
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableName" : "targetConfigurations",
  "variableType" : "java.util.List<TargetConfigurationRequest>",
  "documentation" : "",
  "simpleType" : "List<TargetConfigurationRequest>",
  "variableSetterType" : "java.util.Collection<TargetConfigurationRequest>",
  "simple" : false,
  "varargSetterDocumentation" : "/**
   * The configurations of the Convertible Reserved Instance offerings that
   * you are purchasing in this exchange.
   * NOTE: This method appends the values to the existing list
   * (if any). Use {@link #setTargetConfigurations(java.util.Collection)} or
   * @link #withTargetConfigurations(java.util.Collection) if you want to override the
   * existing values.
   */
   */
   @param
   * targetConfigurations The configurations of the Convertible Reserved Instance offerings that you are
   * purchasing in this exchange.
   */
   @param
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
    "variableName" : "targetConfigurations",
    "variableType" : "java.util.List<TargetConfigurationRequest>",
    "documentation" : "<p>The configurations of the Convertible Reserved Instance offerings that you are
    purchasing in this exchange.</p>
    "simpleType" : "List<TargetConfigurationRequest>",
    "variableSetterType" : "java.util.Collection<TargetConfigurationRequest>",
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "ReservedInstanceIds" ],
"shapeName" : "AcceptReservedInstancesExchangeQuoteRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "variableName" : "acceptReservedInstancesExchangeQuoteRequest",
  "variableType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "documentation" : null,
  "simpleType" : "AcceptReservedInstancesExchangeQuoteRequest",
  "variableSetterType" : "AcceptReservedInstancesExchangeQuoteRequest"
},
"wrapper" : false,
"AcceptReservedInstancesExchangeQuoteResult" : {
  "c2jName" : "AcceptReservedInstancesExchangeQuoteResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
  }
}
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,

"deprecated" : false,
"documentation" : "The result of the exchange and whether it was successful.

"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,

"members" : [ 
  "c2jName" : "ExchangeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the successful exchange.

  **getterDocumentation** : 
  "\n  @return The ID of the successful exchange.\n  \n  \n  **getterMethodName** : "getExchangeId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },

  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExchangeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "exchangeId",
    "uri" : false
  },

  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "ExchangeId",
"setterDocumentation" : "/**\n * The ID of the successful exchange.
 * @param exchangeId The ID of the successful exchange.*\n */",
"setterMethodName" : "setExchangeId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "exchangeId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the successful exchange.
 * @param exchangeId The ID of the successful exchange.
 * @return Returns a reference to this object so that method calls can be chained together.*\n */",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "exchangeId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the successful exchange.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
 "ExchangeId" : {
 "c2jName" : "ExchangeId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the successful exchange.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * The ID of the successful exchange.
 * @param exchangeId The ID of the successful exchange.
 * @return Returns a reference to this object so that method calls can be chained together.*\n */",
 "fluentSetterMethodName" : "withExchangeId",
 "getterDocumentation" : "/**\n * The ID of the successful exchange.
 * @return The ID of the successful exchange.*\n */",
 "getterMethodName" : "getExchangeId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "exchangeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "exchangeId",
"uri" : false},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "exchangeId",
"setterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@param exchangeId The ID of the successful exchange.</p>*/",
"setterMethodName" : "setExchangeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "exchangeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the successful exchange.</p>
@param exchangeId The ID of the successful exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "exchangeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the successful exchange.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AcceptReservedInstancesExchangeQuoteResult"
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AcceptReservedInstancesExchangeQuoteResult",
  "variableName": "acceptReservedInstancesExchangeQuoteResult",
  "variableType": "AcceptReservedInstancesExchangeQuoteResult",
  "documentation": null,
  "simpleType": "AcceptReservedInstancesExchangeQuoteResult",
  "variableSetterType": "AcceptReservedInstancesExchangeQuoteResult"
},
"wrapper": false
},
"AcceptVpcPeeringConnectionRequest": {
  "c2jName": "AcceptVpcPeeringConnectionRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
  "enums": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "AcceptVpcPeeringConnection",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "VpcPeeringConnectionId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of the VPC peering connection.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The ID of the VPC peering connection.</p>*/
      "@param vpcPeeringConnectionId The ID of the VPC peering connection.
      "@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withVpcPeeringConnectionId",
      "name": "VpcPeeringConnectionId",
      "nameSetter": "}
  }
"getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>@return The ID of the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcPeeringConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcPeeringConnectionId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
]
],
"membersAsMap": {
"VpcPeeringConnectionId": {
"c2jName": "VpcPeeringConnectionId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC peering connection.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcPeeringConnectionId",
"getterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
"getterMethodName": "getVpcPeeringConnectionId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcPeeringConnectionId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnectionId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnectionId",
"setterDocumentation": "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcPeeringConnectionId",
"setterModel": {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AcceptVpcPeeringConnectionRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AcceptVpcPeeringConnectionRequest",
"variableName" : "acceptVpcPeeringConnectionRequest",
"variableType" : "AcceptVpcPeeringConnectionRequest",
"documentation" : null,
"simpleType" : "AcceptVpcPeeringConnectionRequest",
"variableSetterType" : "AcceptVpcPeeringConnectionRequest"
},
"wrapper" : false
},
"AcceptVpcPeeringConnectionResult" : {
"c2jName" : "AcceptVpcPeeringConnectionResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "VpcPeeringConnection",
  "c2jShape" : "VpcPeeringConnection",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcPeeringConnection",
  "getterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@return Information about the VPC peering connection.*/",
  "getterMethodName" : "getVpcPeeringConnection",
  "getterModel" : {
    "returnType" : "VpcPeeringConnection",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcPeeringConnection",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcPeeringConnection",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcPeeringConnection",
  "setterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.*/",
  "setterMethodName" : "setVpcPeeringConnection",
  "setterModel" : {

"variableDeclarationType" : "VpcPeeringConnection",
"variableName" : "vpcPeeringConnection",
"variableType" : "VpcPeeringConnection",
"documentation" : "",
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpcPeeringConnection",
"variableName" : "vpcPeeringConnection",
"variableType" : "VpcPeeringConnection",
"documentation" : "<p>Information about the VPC peering connection.</p>",
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"VpcPeeringConnection" : {
"c2jName" : "VpcPeeringConnection",
"c2jShape" : "VpcPeeringConnection",
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnection",
"getterDocumentation" : "/**<p>Information about the VPC peering connection.</p>
@return Information about the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnection",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName": "VpcPeeringConnection",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnection",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnection",
"setterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.*/*",
"setterMethodName": "setVpcPeeringConnection",
"setterModel": {
  "variableDeclarationType": "VpcPeeringConnection",
  "variableName": "vpcPeeringConnection",
  "variableType": "VpcPeeringConnection",
  "documentation": "",
  "simpleType": "VpcPeeringConnection",
  "variableSetterType": "VpcPeeringConnection"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"variable": {
  "variableDeclarationType": "VpcPeeringConnection",
  "variableName": "vpcPeeringConnection",
  "variableType": "VpcPeeringConnection",
  "documentation": "<p>Information about the VPC peering connection.</p>",
  "simpleType": "VpcPeeringConnection",
  "variableSetterType": "VpcPeeringConnection"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "AcceptVpcPeeringConnectionResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AcceptVpcPeeringConnectionResult",
  "variableName": "acceptVpcPeeringConnectionResult",
  "variableType": "AcceptVpcPeeringConnectionResult",
  "documentation": "",
  "simpleType": "AcceptVpcPeeringConnectionResult",
  "variableSetterType": "AcceptVpcPeeringConnectionResult"
}
"variableName" : "acceptVpcPeeringConnectionResult",
"variableType" : "AcceptVpcPeeringConnectionResult",
"documentation" : null,
"simpleType" : "AcceptVpcPeeringConnectionResult",
"variableSetterType" : "AcceptVpcPeeringConnectionResult"
},
"wrapper" : false
},
"AccountAttribute" : {
"c2jName" : "AccountAttribute",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an account attribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
 {"c2jName" : "AttributeName",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The name of the account attribute.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The name of the account attribute.</p>
@returns {string} The name of the account attribute.
*/
@returns {string} The name of the account attribute.
*/
@returns {string} The name of the account attribute.
*/
@returns {string} The name of the account attribute.
"/焱"",
 "getterMethodName" : "getAttributeName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttributeName",
"setterDocumentation" : "/**<p>The name of the account attribute.</p>
@param attributeName The name of the account attribute.*/",
"setterMethodName" : "setAttributeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the account attribute.</p>
@param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attributeName",
  "variableType" : "String",
  "documentation" : "<p>The name of the account attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "AttributeValues",
"c2jShape" : "AccountAttributeValueList",
"deprecated" : false,
"documentation" : "<p>One or more values for the account attribute.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more values for the account attribute.</p>@return Returns a reference to this object so that method calls can be chained together.*/", attributeValues One or more values for the account attribute."
"fluentSetterMethodName": "withAttributeValues",
"getterDocumentation": "/**
* One or more values for the account attribute.<p/>
@return One or more values for the account attribute.*
*/",
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* @param member 
* @return Returns a reference to this object so that method calls can be chained together.*
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    "getterDocumentation": "/**
* @return *
*/",
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@param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableSetterType" : "java.util.Collection<AccountAttributeValue>"
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@param attributeName The name of the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",

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@param attributeName The name of the account attribute.
@return The name of the account attribute.*/",

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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "attributeValues",
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  "documentation" : "",
  "simpleType" : "List<AccountAttributeValue>",
  "variableSetterType" : "java.util.Collection<AccountAttributeValue>",
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"varargSetterDocumentation" : "/**<p>One or more values for the account attribute.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAttributeValues(java.util.Collection)} or {@link #withAttributeValues(java.util.Collection)} if you want to override the existing values.</p>
@param attributeValues One or more values for the account attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "skipGeneratingUnmarshaller" : false
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"documentation" : "Describes a value of an account attribute.\n\n### Description
The value of the attribute.
\n#### Attributes
- `string`
\n##### Examples
```java
@accountAttributeName
```\n\n#### Return Type
`String`
\n#### See Also
- [AttributeValue](#AttributeValue)
",  "enums" : null,
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    "documentation" : The value of the attribute.\n\n\n### Description
The value of the attribute.
\n#### Attributes
- `string`
\n##### Examples
```java
@attributeValue
```\n\n#### Return Type
`String`
\n#### See Also
- [AttributeValue](#AttributeValue)
  
  "fluentSetterDocumentation" : "The value of the attribute.\n\n\n### Description
The value of the attribute.
\n\n#### Attributes
- `string`
\n##### Examples
```java
@attributeValue
```\n\n#### Return Type
`String`
\n#### See Also
- [AttributeValue](#AttributeValue)
  
  "getterDocumentation" : "The value of the attribute.\n\n\n### Description
The value of the attribute.
\n\n#### Attributes
- `string`
\n##### Examples
```java
@attributeValue
```\n\n#### Return Type
`String`
\n#### See Also
- [AttributeValue](#AttributeValue)
  
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"varargSetterDocumentation" : "/**<p>The instance type.</p>@param instanceType The instance type.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
],

"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the instance.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;/**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;/a&gt;return Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "&lt;**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;a&gt;return The ID of the instance.&lt;/**&gt;

"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false

},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "&lt;**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;/**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;/a&gt;return Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;

"setterMethodName" : "setInstanceId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"

},

"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "SpotInstanceRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot instance request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : "/** <p>The ID of the Spot instance request.</p>
@return The ID of the Spot instance request.*/",
"getterMethodName" : "getSpotInstanceRequestId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotInstanceRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotInstanceRequestIds",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "SpotInstanceRequestId",
"setterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.*/",
"setterMethodName": "setSpotInstanceRequestId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "spotInstanceRequestId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "spotInstanceRequestId",
  "variableType": "String",
  "documentation": "The ID of the Spot instance request.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

c2jName": "InstanceHealth",
"c2jShape": "InstanceHealthStatus",
"deprecated": false,
"documentation": "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.

@see InstanceHealthStatus",
"getterDocumentation": "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.

@see InstanceHealthStatus",
"getterMethodName": "getInstanceHealth",
"fluentSetterDocumentation": "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.

@see InstanceHealthStatus",
"fluentSetterMethodName": "withInstanceHealth",
"getterDocumentation": "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.

@see InstanceHealthStatus",
"getterMethodName": "getInstanceHealth"}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceHealth",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceHealth",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceHealth",
"setterDocumentation" : "/**
<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p>
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@see InstanceHealthStatus*/",
"setterMethodName" : "setInstanceHealth",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.</p>
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.<br>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see InstanceHealthStatus*/";
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceHealth",
    "variableType" : "String",
    "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
    "InstanceHealth" : {
        "c2jName" : "InstanceHealth",
        "c2jShape" : "InstanceHealthStatus",
        "deprecated" : false,
        "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.",
        "enumType" : "InstanceHealthStatus",
        "fluentSetterDocumentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceHealthStatus*/",
        "fluentSetterMethodName" : "withInstanceHealth",
        "getterDocumentation" : "The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@return The health status of the instance. If the status of both the instance status check and the system status check is <code>impaired</code>, the health status of the instance is <code>unhealthy</code>. Otherwise, the health status is <code>healthy</code>.
@see InstanceHealthStatus*/",
        "getterMethodName" : "getInstanceHealth",
        "getterModel" : {
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            "documentation" : null
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    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "isUnmarshallLocationCreator" : false,
        "marshaller" : null,
        "method" : null,
        "messageBodyNameInRequestBody" : null,
        "modelName" : null,
        "name" : null,
        "ns" : null,
        "payloadContentLocation" : null,
        "payloadNameInActualResponse" : null,
        "payloadNameInActualResponseWithExplicitType" : null,
        "payloadNameInMarshallingContext" : null,
        "payloadNameInRequest" : null,
        "payloadNameInResponse" : null,
        "payloadNameInReturn" : null,
"setterDocumentation": "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.\</p>\n@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.
@see InstanceHealthStatus*/",
"setterMethodName" : "setInstanceHealth",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.
@see InstanceHealthStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceHealthStatus*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"marshallLocationName" : "InstanceHealth",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceHealth",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceHealth",
"setterDocumentation" : "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.\n@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.
@see InstanceHealthStatus*/",
"setterMethodName" : "setInstanceHealth",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.\n@param instanceHealth The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.
@see InstanceHealthStatus*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceHealth",
  "variableType" : "String",
  "documentation" : "The health status of the instance. If the status of both the instance status check and the system status check is \<code\>impaired\</code\>, the health status of the instance is \<code\>unhealthy\</code\>. Otherwise, the health status is \<code\>healthy\</code\>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceHealthStatus*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

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"InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@parem instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceId",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InstanceId",
    "setterDocumentation" : "/**<p>The ID of the instance.</p>
@parem instanceId The ID of the instance.
*/",
    "setterMethodName" : "setInstanceId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "instanceId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@parem instanceId The ID of the instance.
*/
"}
instance

@return Returns a reference to this object so that method calls can be chained together. */
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
    "c2jName" : "InstanceType",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The instance type.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.<p>
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withInstanceType",
    "getterDocumentation" : "/**<p>The instance type.</p>
@return The instance type.<p>
@return Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getInstanceType",
    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "marshallLocationName" : "InstanceType",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceType",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InstanceType",
    "setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.<p>
@return Returns a reference to this object so that method calls can be chained together. */
"setterMethodName" : "withInstanceType",
"simpleType" : "String",
"variableSetterType" : "String"
"setterMethodName" : "setInstanceType",
"setterModel" : {
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    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The instance type.</p>
  @param instanceType The instance type.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"SpotInstanceRequestId" : {
  "c2jName" : "SpotInstanceRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot instance request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
  @param spotInstanceRequestId The ID of the Spot instance request.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotInstanceRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
  @return The ID of the Spot instance request.*/",
  "getterMethodName" : "getSpotInstanceRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "SpotInstanceRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotInstanceRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId
The ID of the Spot instance request.*/",
"setterMethodName" : "setSpotInstanceRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "SpotInstanceRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "SpotInstanceRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot instance request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ActiveInstance",
"unmarshalller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ActiveInstance",
  "variableName" : "SpotInstanceRequestId",
  "variableType" : "ActiveInstance",
  "xmlNameSpaceUri" : null
},
"required" : false,
"requestSignerClassFqcn" : null,
"shapeName" : "ActiveInstance",
"variableName" : "activeInstance",
"variableType" : "ActiveInstance",
"documentation" : null,
"simpleType" : "ActiveInstance",
"variableSetterType" : "ActiveInstance"
},
"wrapper" : false
},
"ActivityStatus" : {
"c2jName" : "ActivityStatus",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ { 
  "name" : "Error",
  "value" : "error"
}, { 
  "name" : "Pending_fulfillment",
  "value" : "pending_fulfillment"
}, { 
  "name" : "Pending_termination",
  "value" : "pending_termination"
}, { 
  "name" : "Fulfilled",
  "value" : "fulfilled"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
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"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ActivityStatus",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 

"variableDeclarationType": "ActivityStatus",
"variableName": "activityStatus",
"variableType": "ActivityStatus",
"documentation": null,
"simpleType": "ActivityStatus",
"variableSetterType": "ActivityStatus"
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"wrapper": false
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"c2jName": "Address",
"customization": {
"artificialResultWrapper": null,
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an Elastic IP address.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the instance that the address is associated with (if any).</p>",
"enumType": null,
"fluentSetterDocumentation": /**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*"*/
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": /**<p>The ID of the instance that the address is associated with (if any).</p>
@return The ID of the instance that the address is associated with (if any).*"*/
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header" : false,  
isPayload" : false,  
isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "InstanceId",  
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "instanceId",  
"uri" : false 
},  
idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "InstanceId",  
"setterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if 
any).</p>
@param instanceId The ID of the instance that the address is associated with (if any). */

"setterMethodName" : "setInstanceId",  
"setterModel" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "instanceId",  
  "variableType" : "String",  
  "documentation" : "",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if 
any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "instanceId",  
  "variableType" : "String",  
  "documentation" : "The ID of the instance that the address is associated with (if any).</p>",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"xmlNameSpaceUri" : null 
},  
"c2jName" : "PublicIp",  
"c2jShape" : "String",  
"deprecated" : false,  
"documentation" : "The Elastic IP address."",  
"enumType" : null,  
"fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together. */"
"fluentSetterMethodName" : "withPublicIp",
"getterDocumentation" : "/**<p>The Elastic IP address.</p>
@return The Elastic IP address.*/",
"getterMethodname" : "getPublicIp",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicIp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodname" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,
}
"c2jName" : "AllocationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID representing the allocation of the address for use with EC2-VPC.

**setter**

```java
public void setAllocationId(String allocationId) {
    // setter implementation
}
```

**getter**

```java
public String getAllocationId() {
    // getter implementation
}
```

**marshallLocationName** : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.\n@param allocationId The ID representing the allocation of the address for use with EC2-VPC.\n@return The ID representing the allocation of the address for use with EC2-VPC.\n*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "allocationId",
    "variableType" : "String",
    "documentation" : "",
```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Domain",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "domain",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Domain",
"setterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@see DomainType*/",
"setterMethodName" : "setDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@return Returns a reference to this object so that method calls can be chained together.\n@see DomainType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String"
"documentation" : "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@<param name="networkInterfaceId">The ID of the network interface.</param>*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.</param>*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>
@<param name="networkInterfaceId">The ID of the network interface.</param>*/",
  "setterMethodName" : "setNetworkInterfaceId",
  "setterModel" : {
}
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : ":<p>The ID of the network interface.</p>
"param networkInterfaceId The ID of the network interface.
"return Returns a reference to this object so that method calls can be chained together.*/",
"c2jName" : "NetworkInterfaceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the AWS account that owns the network interface.
"param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
"return Returns a reference to this object so that method calls can be chained together.*/",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceOwnerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceOwnerId",
"setterDocumentation" : "/**\n* The ID of the AWS account that owns the network interface.
*\n* @param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
*\n*/",
"setterMethodName" : "setNetworkInterfaceOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the AWS account that owns the network interface.
*\n* @param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
*\n* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "The ID of the AWS account that owns the network interface.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IP address associated with the Elastic IP address.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The private IP address associated with the Elastic IP address.
*\n* @param privateIpAddress The private IP address associated with the Elastic IP address.
*\n* @return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**\n* The private IP address associated with the Elastic IP address.
*\n* @return The private IP address associated with the Elastic IP address.
*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/** <p>The private IP address associated with the Elastic IP address.</p> <h2> param privateIpAddress The private IP address associated with the Elastic IP address.</h2> */",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The private IP address associated with the Elastic IP address.</p> <h2> @param privateIpAddress The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "AllocationId" : {
    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID representing the allocation of the address for use with EC2-VPC.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
    @param allocationId The ID representing the allocation of the address for use with EC2-VPC.
    @return A reference to this object so that method calls can be chained together.
    
    fluentSetterMethodName" : "withAllocationId",
    "getterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
    @return The ID representing the allocation of the address for use with EC2-VPC.
    
    getterMethodName" : "getAllocationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AllocationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "allocationId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AllocationId",
    "setterDocumentation" : "The ID representing the allocation of the address for use with EC2-VPC.
    @param allocationId The ID representing the allocation of the address for use with EC2-VPC.
    
    setterMethodName" : "setAllocationId",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "allocationId",
      "variableType" : "String",
      "documentation" : "",
    }
  }
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
@param allocationId The ID representing the allocation of the address for use with EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "<p>The ID representing the allocation of the address for use with EC2-VPC.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AssociationId" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID representing the association of the address with an instance in a VPC.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a VPC.</p>
@param associationId The ID representing the association of the address with an instance in a
VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a
VPC.</p>
@return The ID representing the association of the address with an instance in a
VPC.*/",
"getMethodName" : "getAssociationId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a
VPC.</p>@param associationId The ID representing the association of the address with an instance in a VPC.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID representing the association of the address with an instance in a
VPC.</p>@param associationId The ID representing the association of the address with an instance in a
VPC.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "<p>The ID representing the association of the address with an instance in a VPC.</p>
"xmlNameSpaceUri" : null
},
"Domain" : {
"c2jName" : "Domain",
"c2jShape" : "DomainType",
"deprecated" : false,
"documentation" : "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic
(<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
"enumType" : "DomainType",
"fluentSetterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a
VPC (<code>vpc</code>).@return Returns a reference to this object so that method calls can be chained
together.@see DomainType*/",
"fluentSetterMethodName" : "withDomain",
"getterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>@return Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).*/"}
**Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).**

`setterMethod` indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>). Returns a reference to this object so that method calls can be chained together. 

```
/**
 * Indicates whether this Elastic IP address is for use with instances in EC2-
 * Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>). Returns a reference to this object so that method calls can be chained together.
 * @param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>). Returns a reference to this object so that method calls can be chained together.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see DomainType*/
```
"variableName" : "domain",
"variableType" : "String",
"documentation" : "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null,

"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance that the address is associated with (if any).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@return The ID of the instance that the address is associated with (if any).*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if
any).

```json
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*/),

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance that the address is associated with (if any).</p>
@param instanceId The ID of the instance that the address is associated with (if any).
@return Returns a reference to this object so that method calls can be chained together.*/),

"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/),

"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/),

"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return The ID of the network interface.*/),

"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,

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"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
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"variableName": "networkInterfaceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>The ID of the network interface.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"NetworkInterfaceOwnerId": {
"c2jName": "NetworkInterfaceOwnerId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the AWS account that owns the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the AWS account that owns the network interface.</p>
@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withNetworkInterfaceOwnerId",
"getterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>\n@return The ID of the AWS account that owns the network interface. */",
"getterMethodName" : "getNetworkInterfaceOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "NetworkInterfaceOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceOwnerId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "NetworkInterfaceOwnerId",
"setterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>\n@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface. */",
"setterMethodName" : "setNetworkInterfaceOwnerId",
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  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AWS account that owns the network interface.</p>\n@param networkInterfaceOwnerId The ID of the AWS account that owns the network interface.\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : ""}
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"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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 "c2jName" : "PrivateIpAddress",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "<p>The private IP address associated with the Elastic IP address.</p>
 @param privateIpAddress The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPrivateIpAddress",
 "getterDocumentation" : "<p>The private IP address associated with the Elastic IP address.</p>
 @return The private IP address associated with the Elastic IP address.*/",
 "getterMethodName" : "getPrivateIpAddress",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddress",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "PrivateIpAddress",
 "setterDocumentation" : "<p>The private IP address associated with the Elastic IP address.</p>
 @param privateIpAddress The private IP address associated with the Elastic IP address.*/",
 "setterMethodName" : "setPrivateIpAddress",
 "setterModel" : {

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"variableName" : "privateIpAddress",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param privateIpAddress The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "The private IP address associated with the Elastic IP address.\n@param privateIpAddress The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "PublicIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Elastic IP address.\n@param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPublicIp",
"getterDocumentation" : "/**\n@return The Elastic IP address.*/",
"getterMethodName" : "getPublicIp",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
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"map" : false,
"mapModel" : null,
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@param publicIp The Elastic IP address.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Elastic IP address.</p>\
@param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The Elastic IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Address",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableType" : "Address",
  "documentation" : null,
  "simpleType" : "Address",
  "variableSetterType" : "Address"}
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
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    "value" : "default"
  }, {
    "name" : "Host",
    "value" : "host"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "Affinity",
  "unmarshaller" : {
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    "resultWrapper" : null
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    "variableType" : "Affinity",
    "documentation" : null,
    "simpleType" : "Affinity",
    "variableSetterType" : "Affinity"
  },
  "wrapper" : false
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"AllocateAddressRequest" : {
  "c2jName" : "AllocateAddressRequest",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : ":p>Contains the parameters for AllocateAddress.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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        "c2jName" : "Domain",
        "c2jShape" : "DomainType",
        "deprecated" : false,
        "documentation" : ":p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
        <p>Default: The address is for use with instances in EC2-Classic.</p>",
        "enumType" : "DomainType",
        "fluentSetterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
        <p>Default: The address is for use with instances in EC2-Classic.</p>\n\n@see DomainType*/",
        "fluentSetterMethodName" : "withDomain",
        "getterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p>
        <p>Default: The address is for use with instances in EC2-Classic.</p>\n\n@see DomainType*/",
        "getterMethodName" : "getDomain",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
        }
    }
]
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Domain",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Domain",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Domain",
"setterDocumentation": ""/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p> <p>Default: The address is for use with instances in EC2-Classic.</p>

@see DomainType*/",
"setterMethodName": "setDomain",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domain",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": ""/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p> <p>Default: The address is for use with instances in EC2-Classic.</p>

@see DomainType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domain",
  "variableType": "String",
  "documentation": ""<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p> <p>Default: The address is for use with instances in EC2-Classic.</p>

@see DomainType*/",
"xmlNameSpaceUri": null
}]
,"membersAsMap": {
"Domain": {
  "c2jName": "Domain",
  "c2jShape": "DomainType",
  "deprecated": false,
  "documentation": "<p>Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;
  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;",
  "enumType": "DomainType",
  "fluentSetterDocumentation": "/**&lt;p&gt;Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;
  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @param domain Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;\n  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see DomainType*/",
  "fluentSetterMethodName": "withDomain",
  "getterDocumentation": "/**&lt;p&gt;Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;
  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @return Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;\n  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @see DomainType*/",
  "getterMethodName": "getDomain",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Domain",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Domain",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Domain",
  "setterDocumentation": "/**&lt;p&gt;Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;
  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @param domain Set to &lt;code&gt;vpc&lt;/code&gt; to allocate the address for use with instances in a VPC.&lt;/p&gt;\n  Default: The address is for use with instances in EC2-Classic.&lt;/p&gt;\n  @see DomainType*/",
  "setterMethodName": "setDomain"}
"setterModel" : {
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    "variableName" : "domain",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p> 
<p>Default: The address is for use with instances in EC2-Classic.</p> 
@param domain Set to <code>vpc</code> to allocate the address for use with instances in a VPC.</p> 
<p>Default: The address is for use with instances in EC2-Classic.

@return Returns a reference to this object so that method calls can be chained together.

@see DomainType*/",
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    "variableType" : "String",
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<p>Default: The address is for use with instances in EC2-Classic.</p>",
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    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "AllocateAddressRequest",
"unmarshaller" : null,
"variable" : {
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    "variableName" : "allocateAddressRequest",
    "variableType" : "AllocateAddressRequest",
    "documentation" : null,
    "simpleType" : "AllocateAddressRequest",
    "variableSetterType" : "AllocateAddressRequest"
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"wrapper" : false
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"AllocateAddressResult" : {
    "c2jName" : "AllocateAddressResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "The Elastic IP address.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Domain",
"c2jShape" : "DomainType",
"deprecated" : false,
"documentation" : "Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).",
"enumType" : "DomainType",
"fluentSetterDocumentation" : "/**\n**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/",
"fluentSetterMethodName" : "withDomain",
"getterDocumentation" : "/**\n**<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@return Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).
@see DomainType*/",
"getterMethodName" : "getDomain",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Domain",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "domain",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Domain",
"setterDocumentation" : "/**
Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@see DomainType*/
@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).
@see DomainType*/
@return Returns a reference to this object so that method calls can be chained together.
@see DomainType*/
", "setterMethodName" : "setDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>
@see DomainType*/
", "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domain",
  "variableType" : "String",
  "documentation" : "Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
}
"documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>
@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>
@return [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>
@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p><p>@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"AllocationId" : {
"c2jName" : "AllocationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p><p>@param allocationId [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p><p>@return [EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.</p>*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"simple" : true,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/*\<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the
Elastic IP address for use with instances in a VPC.<\p>\n@allocationId [EC2-VPC] The ID that AWS assigns
to represent the allocation of the Elastic IP address for use with instances in a VPC.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the
Elastic IP address for use with instances in a VPC.<\p>\n@allocationId [EC2-VPC] The ID that AWS assigns
to represent the allocation of the Elastic IP address for use with instances in a VPC.<\p>\n@return Returns a reference to
this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "allocationId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP
address for use with instances in a VPC.<\p>"",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Domain" : {
"c2jName" : "Domain",
"c2jShape" : "DomainType",
"deprecated" : false,
"documentation" : "<\p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic<br/>(<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
"enumType" : "DomainType",
"fluentSetterDocumentation" : "/*\<p>Indicates whether this Elastic IP address is for use with instances in
EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).*/"
whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@returns Returns a reference to this object so that method calls can be chained together.\n@see DomainType*/

"fluentSetterMethodName" : "withDomain",
"getterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>\n@returns Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@see DomainType*/",
"getterMethodName" : "getDomain",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Domain",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "domain",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Domain",
"setterDocumentation" : "/**<p>Indicates whether this Elastic IP address is for use with instances in EC2-
Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>\n@param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n@see DomainType*/",
"setterMethodName" : "setDomain",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domain",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domain",
    "variableType" : "String",
    "documentation" : "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n @param domain Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).\n @return Returns a reference to this object so that method calls can be chained together.\n @see DomainType*/",
    "xmlNameSpaceUri" : null
},
"PublicIp" : {
    "c2jName" : "PublicIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Elastic IP address.</p>
 @param publicIp The Elastic IP address.\n @return Returns a reference to this object so that method calls can be chained together.\n @see PublicIp*/",
    "fluentSetterDocumentation" : "<p>The Elastic IP address.</p>
 @param publicIp The Elastic IP address.\n @return Returns a reference to this object so that method calls can be chained together.\n @see PublicIp*/",
    "getterDocumentation" : "<p>The Elastic IP address.</p>
 @return The Elastic IP address.\n @see getPublicIp*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PublicIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "publicIp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "<p>The Elastic IP address.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AllocateAddressResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AllocateAddressResult",
  "variableName": "allocateAddressResult",
  "variableType": "AllocateAddressResult",
  "documentation": null,
  "simpleType": "AllocateAddressResult",
  "variableSetterType": "AllocateAddressResult"
},
"wrapper": false
},
"AllocateHostsRequest": {
  "c2jName": "AllocateHostsRequest",
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "AllocateHosts",
  "setterDocumentation": "/**<p>The Elastic IP address.</p>
@param ipAddress The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setIpAddresses",
  "setterModel": {
    "variableDeclarationType": "List<IPAddress>",
    "variableName": "ipAddresses",
    "variableType": "List<IPAddress>",
    "documentation": "",
    "simpleType": "List<IPAddress>",
    "variableSetterType": "List<IPAddress>"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The Elastic IP address.</p>
@param ipAddress The Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "List<IPAddress>",
    "variableName": "ipAddresses",
    "variableType": "List<IPAddress>",
    "documentation": "<p>The Elastic IP address.</p>",
    "simpleType": "List<IPAddress>",
    "variableSetterType": "List<IPAddress>"
  },
  "xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AllocateIpAddressesResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AllocateIpAddressesResult",
  "variableName": "allocateIpAddressesResult",
  "variableType": "AllocateIpAddressesResult",
  "documentation": null,
  "simpleType": "AllocateIpAddressesResult",
  "variableSetterType": "AllocateIpAddressesResult"
},
"wrapper": false
},
"AllocateIpAddressesRequest": {
  "c2jName": "AllocateIpAddressesRequest",
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "AllocateIpAddresses",
  "setterDocumentation": "/**<p>The Elastic IP addresses.</p>
@param ipAddresses The Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setIpAddresses",
  "setterModel": {
    "variableDeclarationType": "List<IPAddress>",
    "variableName": "ipAddresses",
    "variableType": "List<IPAddress>",
    "documentation": "",
    "simpleType": "List<IPAddress>",
    "variableSetterType": "List<IPAddress>"
  },
  "simple": true,
  "varargSetterDocumentation": "/**<p>The Elastic IP addresses.</p>
@param ipAddresses The Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "List<IPAddress>",
    "variableName": "ipAddresses",
    "variableType": "List<IPAddress>",
    "documentation": "<p>The Elastic IP addresses.</p>",
    "simpleType": "List<IPAddress>",
    "variableSetterType": "List<IPAddress>"
  },
  "xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AllocateIpAddressesResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AllocateIpAddressesResult",
  "variableName": "allocateIpAddressesResult",
  "variableType": "AllocateIpAddressesResult",
  "documentation": null,
  "simpleType": "AllocateIpAddressesResult",
  "variableSetterType": "AllocateIpAddressesResult"
},
"wrapper": false
}
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AllocateHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "AllocateHosts",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "deprecated" : false,
    "documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled"
  },
  {
    "c2jName" : "AutoPlacement",
    "c2jShape" : "AutoPlacement",
    "documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
    "enumType" : "AutoPlacement",
    "getterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
    "getterMethodName" : "getAutoPlacement",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
      "removeClassName" : "AutoPlacement",
      "getterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
      "getterMethodName" : "getAutoPlacement",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "removeClassName" : "AutoPlacement",
      "removeDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
      "removeFluentSetterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
      "removeFluentSetterMethodName" : "withAutoPlacement",
      "removeHttp" : {
        "documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
        "removeClassName" : "AutoPlacement",
        "removeDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
        "removeFluentSetterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
        "removeFluentSetterMethodName" : "withAutoPlacement",
        "removeHttp" : {
          "documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
          "removeClassName" : "AutoPlacement",
          "removeDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
          "removeFluentSetterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. Default: Enabled
@see AutoPlacement*/",
          "removeFluentSetterMethodName" : "withAutoPlacement",
        },
      },
    },
  },
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoPlacement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "autoPlacement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**\n<p>This is enabled by default. This property allows instances to be automatically
placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>
@param autoPlacement This is enabled by default. This property allows instances to be
automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</param>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>This is enabled by default. This property allows instances to be automatically
placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>
@param autoPlacement This is enabled by default. This property allows instances to be
automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</param>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see AutoPlacement*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed
onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>
@param autoPlacement This is enabled by default. This property allows instances to be
automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</param>
"return Returns a reference to this object so that method calls can be chained together.</p>
@see AutoPlacement*/";
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. 
</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>: 

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>: 

*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the
request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>*/
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this
object so that method calls can be chained together.*/",
"setterMethodName": "setClientToken",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "clientToken",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the
request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>*/
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "clientToken",
"variableType": "String",
"documentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For
more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"documentation" : "Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */",
"enumType" : null,
"fluentSetterDocumentation" : "Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */
@para
instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.
@return
Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */

@para
instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.

@return
Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */
@para
instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host. */",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String"}
**variable** : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.\n\n@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nSpecify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.\n\n@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"}
"marshallLocationName" : "Quantity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "quantity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Quantity",
"setterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setQuantity",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "quantity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "quantity",
  "variableType" : "Integer",
  "documentation" : 
  "p>\n<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : 
  "p>\n<p>The Availability Zone for the Dedicated Hosts.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",}
"getterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@return The Availability Zone for the Dedicated Hosts.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AvailabilityZone",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "availabilityZone",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"AutoPlacement" : {
"c2jName" : "AutoPlacement",
"c2jShape" : "AutoPlacement",
"deprecated" : false,
"documentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.\n\nDefault: Enabled</p>
"enumType" : "AutoPlacement",
"fluentSetterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.\n\nDefault: Enabled</p>
"getterDocumentation" : "This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.\n\nDefault: Enabled</p>
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoPlacement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "autoPlacement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>
@param autoPlacement This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. */
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p>
@param autoPlacement This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID. */
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> <p>Default: Enabled</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the Dedicated Hosts. </p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@return The
Availability Zone for the Dedicated Hosts.*/*",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the Dedicated Hosts.</p>
@param availabilityZone The Availability Zone for the Dedicated Hosts.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>
"simpleType" : "String"
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>.
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>.
  "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>.
  "getterMethodName" : "getClientToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ClientToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "clientToken",
    "uri" : false
  },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p"",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "String"}
Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.

```java
public void withInstanceType(String instanceType)
```

Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.

```java
public String getInstanceType()
```

Returns a reference to this object so that method calls can be chained together.

```java
public void setInstanceType(String instanceType)
```

Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.
@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceType",
   "variableType" : "String",
   "documentation" : "<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>

@param instanceType Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.

@return Returns a reference to this object so that method calls can be chained together.*/",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Quantity" : {
   "c2jName" : "Quantity",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "The number of Dedicated Hosts you want to allocate to your account with these parameters.

@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.

@return Returns a reference to this object so that method calls can be chained together.*/",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.

@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.

@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withQuantity",
   "getterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.

@return The number of Dedicated Hosts you want to allocate to your account with these parameters.*/",
   "getterMethodName" : "getQuantity",
   "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Quantity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "quantity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Quantity",
"setterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.</p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setQuantity",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "quantity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "quantity",
  "variableType" : "Integer",
  "documentation" : "The number of Dedicated Hosts you want to allocate to your account with these parameters.
  
  @param quantity The number of Dedicated Hosts you want to allocate to your account with these parameters.
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceType", "Quantity", "AvailabilityZone" ],
"shapeName" : "AllocateHostsRequest",
"unmarshaller" : null,
"variable" : {

"variableDeclarationType" : "AllocateHostsRequest",
"variableName" : "allocateHostsRequest",
"variableType" : "AllocateHostsRequest",
"documentation" : null,
"simpleType" : "AllocateHostsRequest",
"variableSetterType" : "AllocateHostsRequest"
},
"wrapper" : false
},
"AllocateHostsResult" : {
"c2jName" : "AllocateHostsResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
"deprecated" : false,
"documentation" : "<p>Contains the output of AllocateHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "HostIds",
"c2jShape" : "ResponseHostIdList",
"deprecated" : false,
"documentation" : "<p>The ID of the allocated Dedicated Host. This is used when you want to launch an
instance onto a specific host.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.

@returns The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.

@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withHostIds",
"getterDocumentation" : "The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.

@returns The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.

@returns Returns the ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.
",
"getMethodName" : "getHostIds",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostIdSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */

"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},

"map": false,
"mapModel": null,
"name": "HostIds",
"setterDocumentation": "/**
<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>
@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.*/

"setterMethodName": "setHostIds"
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setHostIds(java.util.Collection)] or [@link #withHostIds(java.util.Collection)] if you want to override the existing values.</p>@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNameSpaceUri" : null
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"membersAsMap" : {
  "HostIds" : {
    "c2jName" : "HostIds",
    "c2jShape" : "ResponseHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHostIds",
    "getterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>@return The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.</p>*/",
    "getterMethodName" : "getHostIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "...
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostIdSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
}}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"},
"map": false,
"mapModel": null,
"name": "HostIds",
"setterDocumentation": "/**\n@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.*/\n*/\n\*/The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.*/*/"
"setterMethodName" : "setHostIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.\n</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values.\n<p>@param hostIds The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host.\</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AllocateHostsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AllocateHostsResult",
    "variableName" : "allocateHostsResult",
    "variableType" : "AllocateHostsResult",
    "documentation" : null,
    "simpleType" : "AllocateHostsResult",
    "variableSetterType" : "AllocateHostsResult"
},
"wrapper" : false
},
"AllocationState" : {
    "c2jName" : "AllocationState",
    "...
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
    "name" : "Available",
    "value" : "available"
}, {
    "name" : "UnderAssessment",
    "value" : "under-assessment"
}, {
    "name" : "PermanentFailure",
    "value" : "permanent-failure"
}, {
    "name" : "Released",
    "value" : "released"
}, {
    "name" : "ReleasedPermanentFailure",
    "value" : "released-permanent-failure"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AllocationState",
"unmarshaller" : { 
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AllocationState",
    "variableName" : "allocationState",
    "variableType" : "AllocationState",
    "documentation" : null,
    "simpleType" : "AllocationState",
    "variableSetterType" : "AllocationState"
},
"wrapper" : false
},
"AllocationStrategy" : {
  "c2jName" : "AllocationStrategy",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "LowestPrice",
    "value" : "lowestPrice"
  }, {
    "name" : "Diversified",
    "value" : "diversified"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AllocationStrategy",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "AllocationStrategy",
    "variableName" : "allocationStrategy",
    "variableType" : "AllocationStrategy",
    "documentation" : null,
    "simpleType" : "AllocationStrategy",
    "variableSetterType" : "AllocationStrategy"
  },
  "wrapper" : false
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"ArchitectureValues" : {
  "c2jName" : "ArchitectureValues",
  "customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "i386",
  "value" : "i386"
}, {
  "name" : "X86_64",
  "value" : "x86_64"
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ArchitectureValues",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ArchitectureValues",
  "variableName" : "architectureValues",
  "variableType" : "ArchitectureValues",
  "documentation" : null,
  "simpleType" : "ArchitectureValues",
  "variableSetterType" : "ArchitectureValues"
},
"wrapper" : false
},
"AssignIpv6AddressesRequest" : {
  "c2jName" : "AssignIpv6AddressesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
"deprecated": false,
"documentation": "",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "AssignIpv6Addresses",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [{
  "c2jName": "NetworkInterfaceId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the network interface.",
  "enumType": null,
  "fluentSetterDocumentation": "The ID of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "withNetworkInterfaceId",
  "getterDocumentation": "The ID of the network interface.
  @return The ID of the network interface.",
  "getterMethodName": "getNetworkInterfaceId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NetworkInterfaceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "networkInterfaceId",
    "uri": false
  }
}];
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n* The ID of the network interface.
* @param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the network interface.
* @param networkInterfaceId The ID of the network interface.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Ipv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.
* @param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**\n* One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.
* @return One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"getterMethodName" : "getIpv6Addresses",}
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ipv6Addresses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6Addresses",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return * /",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
}
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**\n   * One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.\n   *\n   * @param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : "/**\n   * One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.\n   *\n   * <b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setIpv6Addresses(java.util.Collection)] or [@link #withIpv6Addresses(java.util.Collection)] if you want to override the existing values.\n   *\n   * @param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "ipv6Addresses",
        "variableType" : "java.util.List<String>",
        "documentation" : "One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @param ipv6Addresses One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
        "simple" : false,
        "varargSetterDocumentation" : "/**\n   * The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
        "c2jName" : "Ipv6AddressCount",
        "c2jShape" : "Integer",
        "deprecated" : false,
        "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n   * The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.\n   *\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withIpv6AddressCount"}
"getterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
@return The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6AddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6AddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/*<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Ipv6AddressCount",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.*/"
specific IPv6 addresses.</p>

@param ipv6AddressCount
The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.

@return
Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses."/
},

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
    "Ipv6AddressCount" : {
        "c2jName" : "Ipv6AddressCount",
        "c2jShape" : "Integer",
        "deprecated" : false,
        "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.

@return
Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses."
},

"enumType" : null,
"fluentSetterDocumentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses."
},
"getterDocumentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.

@return
Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.</p>
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "Ipv6AddressList",
  "deprecated" : false,
  "documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@param ipv6Addresses
One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withIpv6Addresses",
  "getterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@return One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.*"",
  "getterMethodName" : "getIpv6Addresses",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6Addresses",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6Addresses",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
    }
  }
}
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p><p><b>Note:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p><p><param name="ipv6Addresses" type="java.util.List<String>" />
@return Returns a reference to this object so that method calls can be chained together.*/

.setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p><p><param name="ipv6Addresses" type="java.util.List<String>" />
@return Returns a reference to this object so that method calls can be chained together.*/

.variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"}
"variableSetterType" : "java.util.Collection<String>"
],
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId"}
The ID of the network interface.

*Return* Returns a reference to this object so that method calls can be chained together.

```java
"variable" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "The ID of the network interface.

  "<p>The ID of the network interface.</p>
  
  "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "AssignIpv6AddressesRequest",
"unmarshaller" : null,
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  "variableName" : "assignIpv6AddressesRequest",
  "variableType" : "AssignIpv6AddressesRequest",
  "documentation" : null,
  "simpleType" : "AssignIpv6AddressesRequest",
  "variableSetterType" : "AssignIpv6AddressesRequest"
},
"wrapper" : false
},
"AssignIpv6AddressesResult" : {
  "c2jName" : "AssignIpv6AddressesResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n@return The ID of the network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null 
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false 
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setNetworkInterfaceId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
  } 
} ]
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the network interface.
* @param networkInterfaceId The ID of the network interface.
* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  * @param networkInterfaceId The ID of the network interface.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>

    * @param networkInterfaceId The ID of the network interface.
    * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>

    * @param networkInterfaceId The ID of the network interface.
    * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
  * @param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
  * @return The IPv6 addresses assigned to the network interface.*/",
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AssignedIpv6Addresses",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "assignedIpv6Addresses",
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "AssignedIpv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>
  * @param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
  * @return The IPv6 addresses assigned to the network interface.*/",
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AssignedIpv6Addresses",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "assignedIpv6Addresses",
  },
  "xmlNameSpaceUri" : null}
}
"uri": false,
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"list": true,
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  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  }
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member \n*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "variableUsage": "param"
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "AssignedIpv6Addresses",
"setterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.*/",
"setterMethodName" : "setAssignedIpv6Addresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "assignedIpv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setAssignedIpv6Addresses(java.util.Collection) } or { @link #withAssignedIpv6Addresses(java.util.Collection) } if
you want to override the existing values.</p>

**@param assignedIpv6Addresses** The IPv6 addresses assigned to the
network interface.

**@return** Returns a reference to this object so that method calls can be chained together.*"*/

    "variable" : {
        "variableDeclaratio
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
@returns a reference to this object so that
method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
@returns */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
@returns */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "AssignedIpv6Addresses",
"setterDocumentation" : "/**<p>The IPv6 addresses assigned to the network interface.</p>
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.*/",
"setterMethodName" : "setAssignedIpv6Addresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "assignedIpv6Addresses",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "*/<p>The IPv6 addresses assigned to the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setAssignedIpv6Addresses(java.util.Collection)} or { @link #withAssignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.*/
@param assignedIpv6Addresses The IPv6 addresses assigned to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/"
, "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "assignedIpv6Addresses",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IPv6 addresses assigned to the network interface.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.*/",
  "setterMethodName" : "setNetworkInterfaceId",
}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n\n<p>The ID of the network interface.</p>
\n@param networkInterfaceId
The ID of the network interface.
\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssignIpv6AddressesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AssignIpv6AddressesResult",
  "variableName" : "assignIpv6AddressesResult",
  "variableType" : "AssignIpv6AddressesResult",
  "documentation" : null,
  "simpleType" : "AssignIpv6AddressesResult",
  "variableSetterType" : "AssignIpv6AddressesResult"
},
"wrapper" : false
},
"AssignPrivateIpAddressesRequest" : {
  "c2jName" : "AssignPrivateIpAddressesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
"documentation": "<p>Contains the parameters for AssignPrivateIpAddresses.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "AssignPrivateIpAddresses",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "NetworkInterfaceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the network interface.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
  @return Returns a reference to this object so that method calls can be chained together.*///",
    "fluentSetterMethodName": "withNetworkInterfaceId",
    "getterDocumentation": "/**<p>The ID of the network interface.</p>
  @return The ID of the network interface.*/",
    "getterMethodName": "getNetworkInterfaceId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "NetworkInterfaceId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "networkInterfaceId",
      "uri": false
    }
  }
]


```
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName": "withPrivateIpAddresses",
"c2jName": "PrivateIpAddresses",
"c2jShape": "PrivateIpAddressStringList",
"deprecated": false,
"documentation": "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p>
<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p>
<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>
@param privateIpAddresses One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrivateIpAddresses",
```

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One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

```java
public class PrivateIpAddresses {
    public List<String> getPrivateIpAddresses()
    {
        // Implementation...
    }
}
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddress",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "PrivateIpAddresses",
"setterDocumentation": "/**<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n</p><p>\n@param privateIpAddresses One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n</p><p>\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.\n</p><p>\nIf you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>\n@link #setPrivateIpAddresses(java.util.Collection) or @link #withPrivateIpAddresses(java.util.Collection) if you want to override the existing values.\n@see Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p>\n@see Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>
@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>
@return The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.*\*/",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecondaryPrivateIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "secondaryPrivateIpAddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>
@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.*\*/",
"setterMethodName" : "setSecondaryPrivateIpAddressCount"
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>
@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "secondaryPrivateIpAddressCount",
    "variableType" : "Integer",
    "documentation" : "<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "AllowReassignment",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAllowReassignment",
  "getterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>
@return Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.*/",
  "getterMethodName" : "getAllowReassignment",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllowReassignment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allowReassignment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassignment",
"setterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another
network interface or instance to be reassigned to the specified network interface.</p>
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllowReassignment",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassignment",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another
network interface or instance to be reassigned to the specified network interface.</p>
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassignment",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "AllowReassignment" : {
    "c2jName" : "AllowReassignment",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>*/
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAllowReassignment",
    "getterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>*
@return Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.*/",
    "getterMethodName" : "getAllowReassignment",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AllowReassignment",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "allowReassignment",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AllowReassignment",
    "setterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>*/
@param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setAllowReassignment",
    "setterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    }
  }
}
reassigned to the specified network interface.*/",
  "setterMethodName" : "setAllowReassignment",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "allowReassignment",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>
  @param allowReassignment Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "allowReassignment",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
  @param networkInterfaceId The ID of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>
  @return The ID of the network interface.</p>
  @param networkInterfaceId The ID of the network interface.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "PrivateIpAddressStringList",
"deprecated" : false,
"documentation" : "One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can’t specify this parameter when also specifying a number of secondary IP addresses."}
If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.  

```java
"enumType" : null,
"fluentSetterDocumentation" : "/** One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. 
If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range. 

@param privateIpAddresses One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.
@return Returns a reference to this object so that method calls can be chained together. */

@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.METHOD)
public @interface WithPrivateIpAddresses {
    List<String> privateIpAddresses();
}
```

"getterSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/** One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.
If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

@return One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses. */

@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.METHOD)
public @interface WithPrivateIpAddresses {
    List<String> privateIpAddresses();
}
```
"fluentSetterDocumentation" : "/**\n@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PrivateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : ""}
One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.
One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.

If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>*/
@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
.setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>*/
@param secondaryPrivateIpAddressCount The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.
"
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "AssignPrivateIpAddressesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AssignPrivateIpAddressesRequest",
  "variableName" : "assignPrivateIpAddressesRequest",
  "variableType" : "AssignPrivateIpAddressesRequest",
  "documentation" : null,
"simpleType": "AssignPrivateIpAddressesRequest",
"variableSetterType": "AssignPrivateIpAddressesRequest"
},
"wrapper": false
},
"AssignPrivateIpAddressesResult": {
"c2jName": "AssignPrivateIpAddressesResult",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": null,
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AssignPrivateIpAddressesResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AssignPrivateIpAddressesResult",
  "variableName": "assignPrivateIpAddressesResult",
  "variableType": "AssignPrivateIpAddressesResult",
  "documentation": null,
  "simpleType": "AssignPrivateIpAddressesResult",
  "variableSetterType": "AssignPrivateIpAddressesResult"
},
"wrapper": false
},
"AssociateAddressRequest": {
"c2jName": "AssociateAddressRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AssociateAddress.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "AssociateAddress",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
},
"members" : [ {
 "c2jName" : "InstanceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withInstanceId",
 "getterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@return The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.
*/",
 "getterMethodName" : "getInstanceId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
"setterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</param>*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>
@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.
@return Returns a reference to this object so that method calls can be chained together.</param>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>
[EC2-VPC] The allocation ID. This is required for EC2-VPC.
</p><p>@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>
[EC2-VPC] The allocation ID. This is required for EC2-VPC.
</p><p>@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : 
    "[EC2-VPC] The allocation ID. This is required for EC2-VPC.

    If the instance has more than one network interface, you must specify a network interface ID.
"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>
[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>
[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
</p><p>@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>
[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
</p><p>@return [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NetworkInterfaceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "networkInterfaceId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>\n@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>\n@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@return [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.*",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"settingDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"settingMethodName" : "setPrivateIpAddress",...
Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>

```java
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>

@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

@return Returns a reference to this object so that method calls can be chained together.*/",

```

```

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>",

```

```

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassigned with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassocation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>",

```

```

"enumType" : null,

"c2jName" : "AllowReassociation",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassigned with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassocation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>",

```

```

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassigned with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassocation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>*/"
```
in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

```java
return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withAllowReassociation",
"getterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>
@return [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.*/",
"getterMethodName" : "getAllowReassociation",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllowReassociation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allowReassociation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassociation",
"setterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>
@param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.*/
```
"setterMethodName" : "setAllowReassociation",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowReassociation",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.<p>@param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "allowReassociation",
    "variableType" : "Boolean",
    "documentation" : <p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AllocationId" : {
    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "getterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>@return [EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>*/",
    "getterMethodName" : "getAllocationId",
    "fluentSetterMethodName" : "withAllocationId",
    "setterDocumentation" : "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
  },
  "xmlNameSpaceUri" : null
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AllocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. This is required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"returnType" : "String",
"documentation" : null
"xmlNameSpaceUri" : null
},
"AllowReassociation" : {
  "c2jName" : "AllowReassociation",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAllowReassociation",
  "getterDocumentation" : "/**<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>\n@return [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.*/",
  "getterMethodName" : "getAllowReassociation",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AllowReassociation",
    "queryString" : false,
  }
}
"statusCode" : false,
"unmarshallLocationName" : "allowReassociation",
"uri" : false
},
{idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowReassociation",
"setterDocumentation" : "/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.*/
@param allowReassociation [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.\n@return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setAllowReassociation",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "allowReassociation",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "allowReassociation",
"variableType" : "Boolean",
"documentation" : "[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource."}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.

  @param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.

  @return Returns a reference to this object so that method calls can be chained together."
}"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.

@return The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached."

"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**\n<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>@param instanceId The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached."",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"NetworkInterfaceId": {
  "c2jName": "NetworkInterfaceId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkInterfaceId",
  "fluentSetterModel": null,
  "map": false,
  "mapModel": null,
  "name": "NetworkInterfaceId",
  "setterDocumentation": "/**\n<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>@param networkInterfaceId The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/",
  "setterMethodName": "setNetworkInterfaceId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "networkInterfaceId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**\n<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>@param networkInterfaceId The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "networkInterfaceId",
    "variableType": "String",
    "documentation": "The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached."",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>@return [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID. */",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>@param networkInterfaceId [EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one
network interface, you must specify a network interface ID.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic
IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP
address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate
with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary
private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to
associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with
the primary private IP address.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the
Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private
IP address.</p>
@return [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP
address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP
address.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateIpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>
[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
@param privateIpAddress [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : 
"<p>
[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicIp" : {
"c2jName" : "PublicIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : 
"The Elastic IP address. This is required for EC2-Classic.*",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "publicIp",
"variableType" : "String",
"documentation" : 
"The Elastic IP address. This is required for EC2-Classic.*\n"simpleType" : "String",
"variableSetterType" : "String"
}
publicIp The Elastic IP address. This is required for EC2-Classic.

@return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setPublicIp",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.</p>
@param publicIp The Elastic IP address. This is required for EC2-Classic.*/

@return Returns a reference to this object so that method calls can be chained together. */

"varargSetterMethodName" : "withPublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.</p>
@param publicIp The Elastic IP address. This is required for EC2-Classic.*/

"setterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"getterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.</p>
@return The Elastic IP address. This is required for EC2-Classic.*/",
"getterMethodName" : "getPublicIp",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PublicIp",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.</p>
@param publicIp The Elastic IP address. This is required for EC2-Classic.*/

@return Returns a reference to this object so that method calls can be chained together. */

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The Elastic IP address. This is required for EC2-Classic.</p>
@param publicIp The Elastic IP address. This is required for EC2-Classic.*/

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"variableName" : "publicIp",
"variableType" : "String",
"documentation" : "<p>The Elastic IP address. This is required for EC2-Classic.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateAddressRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AssociateAddressRequest",
"variableName" : "associateAddressRequest",
"variableType" : "AssociateAddressRequest",
"documentation" : null,
"simpleType" : "AssociateAddressRequest",
"variableSetterType" : "AssociateAddressRequest"
},
"wrapper" : false
},
"AssociateAddressResult" : {
"c2jName" : "AssociateAddressResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of AssociateAddress.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : {
"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>
[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>
[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "associationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>
[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>
[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.*/"
}
address with an instance.</p>
@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.
@return Returns a reference to this object so that method calls can be chained together. */

  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "AssociationId" : {
    "c2jName" : "AssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance. <p>@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>@return Returns a reference to this object so that method calls can be chained together. */
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>@return [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance. */
    "getterMethodName" : "getAssociationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AssociationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "associationId"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance. </p>@param associationId [EC2-VPC] The ID that represents the association of the Elastic IP address with an instance. @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "associationId",
    "variableType" : "String",
    "documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AssociateAddressResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "AssociateAddressResult",
    "variableName" : "associateAddressResult"}
"variableType": "AssociateAddressResult",
"documentation": null,
"simpleType": "AssociateAddressResult",
"variableSetterType": "AssociateAddressResult"
},
"wrapper": false
},
"AssociateDhcpOptionsRequest": {
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"customization": {
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  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "<p>Contains the parameters for AssociateDhcpOptions.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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  "requestUri": "/",
  "target": null,
  "verb": "POST",
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  "c2jShape": "String",
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>\n@params dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "getterDocumentation": "/**<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>\n@return The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.*/",
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DhcpOptionsId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/*<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>\n@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</code>/",
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  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@<return Returns a reference to this object so that method calls can be chained together.</returns>/",
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@return
Returns a reference to this object so that method calls can be chained together.
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            "isStreaming" : false,
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            "statusCode" : false,
            "unmarshallLocationName" : "DhcpOptionsId",
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                "simpleType" : "String",
                "variableSetterType" : "String"
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"setterDocumentation" : "/**<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>
@param dhcpOptionsId The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
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"documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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  "uri" : false
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
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"AssociateIamInstanceProfileRequest" : {
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    "skipGeneratingUnmarshaller" : false
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "verb" : "POST",
    "xmlNameSpaceUri" : null
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    "deprecated" : false,
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    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "**getIamInstanceProfile**
    The IAM instance profile.
    @return The IAM instance profile.*",
    "getterMethodName" : "getIamInstanceProfile",
    "getterModel" : {
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      "verb" : "POST",
      "xmlNameSpaceUri" : null
    }
  },
"getterDocumentation" : "/**\<p>The ID of the instance.\</p>\n@return The ID of the instance.*/",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "c2jShape" : "IamInstanceProfileSpecification",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIamInstanceProfile",
    "getterDocumentation" : "/**<p>The IAM instance profile.</p>\n@return The IAM instance profile.*/",
    "getterMethodName" : "getIamInstanceProfile",
    "getterModel" : {
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      "documentation" : null
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      "statusCode" : false,
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      "uri" : false
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@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "<p>The ID of the instance.</p>
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@return Returns a reference to this object so that method calls can be chained together. */",
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance. */",
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"wrapper" : false
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"skipGeneratingUnmarshaller" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  
  
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  "c2jShape" : "IamInstanceProfileAssociation",
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIamInstanceProfileAssociation",
  "getterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@return Information about the IAM instance profile association.*\n",
  "getterMethodName" : "getIamInstanceProfileAssociation",
  "getterModel" : {
    "returnType" : "IamInstanceProfileAssociation",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "iamInstanceProfileAssociation",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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"setterDocumentation" : "/**\n\nInformation about the IAM instance profile association.*/",
"setterMethodName" : "setIamInstanceProfileAssociation",
"setterModel" : {
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  "variableName" : "iamInstanceProfileAssociation",
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  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "Information about the IAM instance profile association.
",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
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    "c2jShape" : "IamInstanceProfileAssociation",
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  "variableSetterType": "IamInstanceProfileAssociation"
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  "simpleType": "IamInstanceProfileAssociation",
  "variableSetterType": "IamInstanceProfileAssociation"
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  "documentation": null,
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    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "Contains the parameters for AssociateRouteTable."",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
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    "locationName": null,
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    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
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    "deprecated": false,
    "documentation": "The ID of the subnet.
    
    @param subnetId The ID of the subnet.
    
    @return Returns a reference to this object so that method calls can be chained together.
    
    @see
    
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  ],
  "getterMethodName": "getSubnetId",
  "getterMethodType": null,
  "getterSetterDocumentation": "The ID of the subnet.
  
  @param subnetId The ID of the subnet.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see
  
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  "documentation" : null
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
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@param routeTableId The ID of the route table.
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@param routeTableId The ID of the route table.
*/

route table.

@returns Returns a reference to this object so that method calls can be chained together. */

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    "enumType" : null,
    "fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the route table.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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* @param routeTableId The ID of the route table.
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  "variableSetterType" : "String"
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* @param routeTableId The ID of the route table.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "documentation" : "The ID of the subnet.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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* @param subnetId The ID of the subnet.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**\n* The ID of the subnet.
* @return The ID of the subnet.
*/",
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"variableName" : "associateRouteTableRequest",
"variableType" : "AssociateRouteTableRequest",
"documentation" : null,
"simpleType" : "AssociateRouteTableRequest",
"variableSetterType" : "AssociateRouteTableRequest"
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"deprecated" : false,
"documentation" : "<p>The route table association ID (needed to disassociate the route table).\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The route table association ID (needed to disassociate the route table).\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**\<p>The route table association ID (needed to disassociate the route table).\</p>\n@return The route table association ID (needed to disassociate the route table).*/",
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"getterModel" : {
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
**setterDocumentation**: /*\*\*p>The route table association ID (needed to disassociate the route
table).*/

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table).*/

```

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  "simpleType" : "String",
  "variableSetterType" : "String"
},
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}
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**membersAsMap** : {
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    "documentation" : "<p>The route table association ID (needed to disassociate the route table).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /*\*\*p>The route table association ID (needed to disassociate the route
table).*/

```

```
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : /*\*\*p>The route table association ID (needed to disassociate the route
table).*/

```

```


```
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "associationId",
  "uri" : false
},
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  "simpleType" : "String",
  "variableSetterType" : "String"
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*\n* @param associationId The route table association ID (needed to disassociate the route table).\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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  "resultWrapper" : null
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  "variableType" : "AssociateRouteTableResult",
  "documentation" : null,
  "simpleType" : "AssociateRouteTableResult",
  "variableSetterType" : "AssociateRouteTableResult"
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"wrapper" : false,
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "",
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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  "members" : [ {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of your subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of your subnet.</p>
@param subnetId The ID of your subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of your subnet.</p>
@return The ID of your subnet.*/
getterMethodName" : "getSubnetId",
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"mapModel" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of your subnet.</p>
@param subnetId The ID of your subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of your subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>@return The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.*/",
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"getterModel" : {
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"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "Ipv6CidrBlock" : {
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    "documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
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    "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>\n@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>\n@return The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.*/",
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"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.*/",
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  "variableType" : "String",
  "documentation" : "",
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@param ipv6CidrBlock The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>",
  "simpleType" : "String",
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  "deprecated" : false,
  "documentation" : "<p>The ID of your subnet.</p>",
  "enumType" : null,
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@param subnetId The ID of your subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The ID of your subnet.</p>
@return The ID of your subnet.*/",
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"getterModel": {
  "returnType": "String",
  "documentation": null
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  "isStreaming": false,
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  "unmarshallLocationName": "subnetId",
  "uri": false
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>The ID of your subnet.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSubnetId",
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  "documentation": "",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri": null
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"variableType": "AssociateSubnetCidrBlockRequest",
"documentation": null,
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"wrapper": false
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"c2jShape": "String",
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"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSubnetId",
"getterDocumentation": "/**<p>The ID of the subnet.</p>
@returns The ID of the subnet.*/"},
"wrapper": false
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  "documentation" : null
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"map" : false,
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  "documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"deprecated" : false,
"documentation" : "</p>Information about the IPv6 CIDR block association.<p>
"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**Information about the IPv6 CIDR block association.<p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
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  "documentation": "/\n\nInformation about the IPv6 CIDR block association.\n\n\n\n\nreturns:\n\nReturns a reference to this object so that method calls can be chained together.*/",
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    "fluentSetterMethodName": "withIpv6CidrBlockAssociation",
    "getterDocumentation": "/\n\nInformation about the IPv6 CIDR block association.\n\n\n\n\nreturns:\n\nInformation about the IPv6 CIDR block association.*/",
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      "header": false,
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      "isStreaming": false,
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      "statusCode": false,
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"setterModel" : {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the subnet.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.
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    "documentation" : null
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@param subnetId The ID of the subnet.</p>*/",
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  "variableName" : "subnetId",
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  "documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableSetterType": "AssociateSubnetCidrBlockResult"
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"wrapper": false
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"AssociateVpcCidrBlockRequest": {
  "c2jName": "AssociateVpcCidrBlockRequest",
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  "deprecated": false,
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    "target": null,
    "verb": "POST",
    "xmlnsSpaceUri": null
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  "members": [
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    "c2jShape": "String",
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    "documentation": "The ID of the VPC.",
    "enumType": null,
    "fluentSetterDocumentation": "The ID of the VPC.",
    "getterDocumentation": "The ID of the VPC.",
    "getterMethodName": "getVpcId",
    "getterSetterDocumentation": "The ID of the VPC.",
    "getterSetterMethodName": "withVpcId",
    "memberType": "VpcId",
    "requestUri": "/associateVpcCidrBlock",
    "target": null,
    "verb": "POST"
  ]
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.*/",
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AmazonProvidedIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amazonProvidedIpv6CidrBlock",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmazonProvidedIpv6CidrBlock",
"setterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAmazonProvidedIpv6CidrBlock",
"setterModel" : {
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"variableName": "amazonProvidedIpv6CidrBlock",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
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  "variableType": "Boolean",
  "documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

"simpleType": "Boolean",

"variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
}],
"membersAsMap": {
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    "deprecated": false,
    "documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>

"enumType": null,

"fluentSetterDocumentation": "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withAmazonProvidedIpv6CidrBlock",

"getterDocumentation": "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>
@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
*/",

"getterMethodName": "getAmazonProvidedIpv6CidrBlock",

"getterModel": {
  "returnType": "Boolean",
  "documentation": null
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"http": {
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	"serviceId": "vpc",
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmazonProvidedIpv6CidrBlock",
"setterDocumentation" : ""/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</param>*/",
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"setterModel" : {
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    "documentation" : "",
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    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>@param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.</param>*/",
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    "variableType" : "Boolean",
    "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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"xmlNameSpaceUri": null
},
"VpcId": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation": "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.*/",
  "getterMethodName": "getVpcId",
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    "documentation": null
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpcId",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
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  "name": "VpcId",
  "setterDocumentation": "/**<p>The ID of the VPC.</p>
  @param vpcId The ID of the VPC.
  @return The ID of the VPC.*/",
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  "setterModel": {
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    "variableName": "vpcId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  }
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"varargSetterDocumentation" : "<p>The ID of the VPC.
@\n@param vpcId The ID of the VPC.
@\n@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableName" : "associateVpcCidrBlockRequest",
  "variableType" : "AssociateVpcCidrBlockRequest",
  "documentation" : null,
  "simpleType" : "AssociateVpcCidrBlockRequest",
  "variableSetterType" : "AssociateVpcCidrBlockRequest"
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"wrapper" : false
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"AssociateVpcCidrBlockResult" : {
  "c2jName" : "AssociateVpcCidrBlockResult",
  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;n&gt;@param vpcId The ID of the VPC.&lt;/n&gt;&lt;n&gt;return
Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;n&gt;return The ID of the VPC.*/&lt;/p&gt;",
"getMethodName" : "getVpcId",
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"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the VPC.&lt;/p&gt;&lt;n&gt;@param vpcId The ID of the VPC.*/&lt;/p&gt;",
"setterMethodName" : "setVpcId",
"setterModel" : {
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"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
"c2jName" : "Ipv6CidrBlockAssociation",
"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@return Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
"returnType" : "VpcIpv6CidrBlockAssociation",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockAssociation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociation",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.*/",}

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"setterMethodName" : "setIpv6CidrBlockAssociation",
"setterModel" : {
"variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
"variableName" : "ipv6CidrBlockAssociation",
"variableType" : "VpcIpv6CidrBlockAssociation",
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"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param
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@return Returns a reference to this
object so that method calls can be chained together.*/",
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"documentation" : "</p>Information about the IPv6 CIDR block association.<p>",
"simpleType" : "VpcIpv6CidrBlockAssociation",
"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"xmlNameSpaceUri" : null
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"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "</p>Information about the IPv6 CIDR block association.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this
object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociation",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
@return
Information about the IPv6 CIDR block association.*/",
"getterMethodName" : "getIpv6CidrBlockAssociation",
"getterModel" : {
"returnType" : "VpcIpv6CidrBlockAssociation",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociation",
"uri" : false
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"map" : false,
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<p>Information about the IPv6 CIDR block association.</p>
@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.</param*/",
"setterMethodName" : "setIpv6CidrBlockAssociation",
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  "documentation" : "",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the IPv6 CIDR block association.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"xmlNameSpaceUri" : null
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  "documentation" : "/p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
<p>The ID of the VPC.</p>
@param
VpcId The ID of the VPC.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "setterDocumentation" : "/**
<p>Information about the IPv6 CIDR block association.</p>
@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "",
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@param
ipv6CidrBlockAssociation Information about the IPv6 CIDR block association.
@return Returns a reference to this object so that method calls can be chained together.*/
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"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*"",
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  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
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@param vpcId The ID of the VPC.*"",
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  "variableSetterType" : "String"
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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  "variableType" : "AssociateVpcCidrBlockResult",
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  "variableSetterType" : "AssociateVpcCidrBlockResult"
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"wrapper" : false
},
"AttachClassicLinkVpcRequest" : {
  "c2jName" : "AttachClassicLinkVpcRequest",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AttachClassicLinkVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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  "members" : [ {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",}]}
"deprecated" : false,
"documentation" : "\n\n<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n\n","enumType" : null,
"fluentSetterDocumentation" : "\n\n/**\n\n<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n\n@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "\n\n/**\n\n<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n\n@return The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*/",
"getterMethodName" : "getInstanceId",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "InstanceId",
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"setterMethodName" : "setInstanceId",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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"varargSetterMethodName" : "withInstanceIds"}
VPC. </p>\n@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
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      "variableType" : "String",
      "documentation" : "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.\n</p>",
      "simpleType" : false,
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  },
  { "c2jName" : "VpcId",
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    "deprecated" : false,
    "documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>
    "enumType" : null,
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    "getterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>\n    "getterMethodName" : "getVpcId",
    "getterModel" : {
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      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "vpcId",
      "uri" : false
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    "list" : false,
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    "map" : false,
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of a ClassicLink-enabled VPC.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "GroupIdStringList",
"documentation" : "The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>\n@return The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.*/",
"getterMethodName" : "getGroups",
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  "returnType" : "java.util.List<String>",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
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    "documentation" : "",
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@returns {member}
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    "getterDocumentation" : "/**
@returns {member}
 */",
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
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* @param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* @param member 
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "groupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"sendEmptyQueryString" : false,
"simple" : true,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
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"name" : "Groups",
"setterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC. </p>
* @param groups The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC. */",
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"setterModel" : {

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"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,

"varargSetterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p><br>NOTE:<b>N</b><b>T</b><br>This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.<br><br><p>@n@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"Groups" : {
"c2jName" : "Groups",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p><br>\n@param groups The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.<br>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p><br>\n@return The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>*/",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"operationName" : null
}"}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@returns Returns a reference to this object so that
method calls can be chained together.*\*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "groupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**\nThe ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC. */",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.<p/>
@param groups The ID of one or more of the VPC's security groups.
You cannot specify security groups from a different VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The ID of one or more of the VPC's security groups. You cannot specify security groups from a different VPC.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p><@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>\n@return The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>
@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>
@param instanceId The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@param vpcId The ID of
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.

a ClassicLink-enabled VPC.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@return The ID of a ClassicLink-enabled VPC.</p>*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@return The ID of a ClassicLink-enabled VPC.

"setterMethodName" : "setVpcId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a ClassicLink-enabled VPC.</p>
@param vpcId The ID of a ClassicLink-enabled VPC.\n@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
 "variableDeclarationType" : "String",

"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of a ClassicLink-enabled VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "InstanceId", "VpcId", "Groups" ],
"shapeName" : "AttachClassicLinkVpcRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "AttachClassicLinkVpcRequest",
"variableName" : "attachClassicLinkVpcRequest",
"variableType" : "AttachClassicLinkVpcRequest",
"documentation" : null,
"simpleType" : "AttachClassicLinkVpcRequest",
"variableSetterType" : "AttachClassicLinkVpcRequest"
},
"wrapper" : false
},
"AttachClassicLinkVpcResult" : {
"c2jName" : "AttachClassicLinkVpcResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of AttachClassicLinkVpc.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns true if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns true if the request succeeds; otherwise, it returns
an error.\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*\n
"getterSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*\n
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*\n
"setterMethodName" : "setReturn",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@return Returns a reference to this object so that method calls can be chained together.*\n
"variable" : {
"variableDeclarationType": "Boolean",
"variableName": "returnValue",
"variableType": "Boolean",
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlnsNameSpaceUri": null
] }
"membersAsMap": {
 "Return": {
 "c2jName": "Return",
 "c2jShape": "Boolean",
 "deprecated": false,
 "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName": "withReturn",
 "getterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
 "getterMethodName": "getReturn",
 "getterModel": {
 "returnType": "Boolean",
 "documentation": null
 },
 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "Return",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "return",
 "uri": false
 },
 "idempotencyToken": false,
 "list": false,
 "listModel": null,
 "map": false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AttachClassicLinkVpcResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "AttachClassicLinkVpcResult",
  "variableName" : "attachClassicLinkVpcResult",
  "variableType" : "AttachClassicLinkVpcResult",
  "documentation" : null,
  "simpleType" : "AttachClassicLinkVpcResult",
  "variableSetterType" : "AttachClassicLinkVpcResult"
},
"wrapper" : false
,
"AttachInternetGatewayRequest" : {
    "c2jName" : "AttachInternetGatewayRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AttachInternetGateway.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "AttachInternetGateway",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlnsNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "InternetGatewayId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the Internet gateway.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>\n@param internetGatewayId The ID of the Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withInternetGatewayId",
            "getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>\n@return The ID of the Internet gateway.*/",
            "getterMethodName" : "getInternetGatewayId",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "locationName" : null,
                "requestUri" : "/",
                "target" : null,
                "verb" : "POST"
            }
        }
    ],
    "marshalers" : [
        {"action" : "AttachInternetGateway",
            "flatName" : null,
            "locationName" : null,
            "requestUri" : "/",
            "target" : null,
            "verb" : "POST",
            "xmlnsNameSpaceUri" : null
        }
    ],
    "messageModel" : {
        "class" : "com.amazonaws.services.ec2.model.AttachInternetGatewayRequest",
        "xmlNameSpaceUri" : null
    },
    "marshallers" : [
        {"action" : "AttachInternetGateway",
            "flatName" : null,
            "locationName" : null,
            "requestUri" : "/",
            "target" : null,
            "verb" : "POST",
            "xmlnsNameSpaceUri" : null
        }
    ],
    "messageMarshaller" : {
        "action" : "AttachInternetGateway",
        "flatName" : null,
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlnsNameSpaceUri" : null
    },
    "messageUnmarshaller" : {
        "action" : "AttachInternetGateway",
        "flatName" : null,
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlnsNameSpaceUri" : null
    }
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "internetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.<p>\n@param internetGatewayId The ID of the Internet gateway.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
    @param vpcId The ID of the VPC.<p>
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
    @return The ID of the VPC.*/",}
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n\<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the VPC.*/",
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  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "documentation" : "<p>The ID of the instance.</p>
, "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*\*/",
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  "getterModel" : {
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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 "getter Documentation" : "/**<p>The index of the device for the network interface attachment.</p>
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 "getter Method Name" : "getDeviceIndex",
 "getter Model" : {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the network interface.*/",
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    "variableType": "AttachNetworkInterfaceRequest",
    "documentation": null,
    "simpleType": "AttachNetworkInterfaceRequest",
    "variableSetterType": "AttachNetworkInterfaceRequest"
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"wrapper": false
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"AttachNetworkInterfaceResult": {
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        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "Contains the output of AttachNetworkInterface.
    <p>The ID of the network interface attachment.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>
    The ID of the network interface attachment.
    <p>@param attachmentId</p>
    The ID of the network interface attachment.
    <p>@return The ID of the network interface attachment.</p>
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            <p>@return The ID of the network interface attachment.</p>
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            "getterDocumentation": "The ID of the network interface attachment.
            <p>@return The ID of the network interface attachment.
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"list" : false,
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"map" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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},
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    "documentation" : "<p>The ID of the network interface attachment.</p>" 
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"fluentSetterMethodName" : "withAttachmentId",
"getterDocumentation" : "/**\n<p>The ID of the network interface attachment.</p>
@return The ID of the network interface attachment.\n*/",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**\n<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "attachmentId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "attachmentId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface attachment.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "AttachNetworkInterfaceResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "AttachNetworkInterfaceResult",
  "variableName": "attachNetworkInterfaceResult",
  "variableType": "AttachNetworkInterfaceResult",
  "documentation": null,
  "simpleType": "AttachNetworkInterfaceResult",
  "variableSetterType": "AttachNetworkInterfaceResult"
},
"wrapper": false
},
"AttachVolumeRequest": {
  "c2jName": "AttachVolumeRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for AttachVolume.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "AttachVolume",
    "locationName": null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>\n@return\nThe ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>\n@return\nThe ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>\n@return The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>\n@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "withVolumeId",
"setterModel" : { 
"returnType" : "String",
"documentation" : null
},
"type" : "PrimitiveType",
"value" : "String"
}
same Availability Zone.

setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<h4>Same Availability Zone.</h4>

setterMethodName" : "setVolumeId",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the EBS volume. The volume and instance must be within the
same Availability Zone.</p>

@param volumeId The ID of the EBS volume. The volume and instance must be
within the same Availability Zone.

@return Returns a reference to this object so that method calls can be chained
together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the EBS volume. The volume and instance must be within the
same Availability Zone.</p>

simpleType" : "String",
variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceId",
"c2jShape" : "String",
deprecated" : false,
documentation" : "<p>The ID of the instance.</p>

getterDocumentation" : "/**
<p>The ID of the instance.</p>

@getterMethod
@GET
@ResponseCode(200)

getterDirectoryName" : "getInstanceId",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : true,
  "greedy" : false,
  "header" : false,
  "isPayload" : true,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "p>The ID of the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Device",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDevice",
"getterDocumentation" : "/**<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<p>
@return Returns a reference to this object so that method calls can be chained together.*/"}
<code>/dev/sdh</code> or <code>xvdh</code>.

```java
@returns The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
getterMethodName" : "getDevice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

```

```java
http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Device",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Device",
  "uri" : false
},

```

```java
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Device",

```

```java
setterDocumentation" : "*/<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
setterMethodName" : "setDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,

```

```java
varargSetterDocumentation" : " */<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */

```

```java
varargMethodName" : "varargSetDevice",
"varargModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

```

```java
simple" : true,
"variableType" : "String",
"documentation" : "<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"Device" : {
"c2jName" : "Device",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p>
@param device The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDevice",
"getterDocumentation" : "/**<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p>
@return The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>). */",
"getterMethodName" : "getDevice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Device",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Device",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Device",
"setterDocumentation" : "/**\n*p>The device name to expose to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).\n*/
@param device The device name to expose to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The device name to expose to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).\n
@param device The device name to expose to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "The device name to expose to the instance (for example, \n<code>/dev/sdh</code> or <code>xvdh</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the instance.\n*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p>The ID of the instance.\n
@param instanceId The ID of the instance.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "The ID of the instance.\n*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>@return The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>@param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS volume. The volume and instance must be within
the same Availability Zone.

```java
@Param volumeId The ID of the EBS volume. The volume and instance must be within the same Availability Zone.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "The ID of the EBS volume. The volume and instance must be within the same Availability Zone.

"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId", "InstanceId", "Device" ],
"shapeName" : "AttachVolumeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AttachVolumeRequest",
  "variableName" : "attachVolumeRequest",
  "variableType" : "AttachVolumeRequest",
  "documentation" : null,
  "simpleType" : "AttachVolumeRequest",
  "variableSetterType" : "AttachVolumeRequest"
},
"wrapper" : false
},
"AttachVolumeResult" : {
  "c2jName" : "AttachVolumeResult",
  "customization" : {
    "artificialResultWrapper" : {
      "wrappedMemberName" : "Attachment",
      "wrappedMemberSimpleType" : "VolumeAttachment"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire.

"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"methodArn" : null,
"name" : "AttachVolume",
"protocol" : "restJSON",
"resultName" : "AttachVolumeResult",
"serviceId" : "ec2",
"serviceType" : "AmazonEC2",
"targetArn" : null,
"targetId" : null,
"version" : "2015-10-01"
}
```
"hasStreamingMember": false,
"marshaller": null,
"members": [{
  "c2jName": "Attachment",
  "c2jShape": "VolumeAttachment",
  "deprecated": false,
  "documentation": "Describes volume attachment details.<p/>",
  "enumType": null,
  "fluentSetterDocumentation": "/** Describes volume attachment details.<p/>
@<param> attachment Describes volume attachment details.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withAttachment",
  "getterDocumentation": "/** Describes volume attachment details.<p/>
@return Describes volume attachment details.<p/>
*/",
  "getterMethodName": "getAttachment",
  "getterModel": {
    "returnType": "VolumeAttachment",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Attachment",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Attachment",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Attachment",
  "setterDocumentation": "/** Describes volume attachment details.<p/>
@<param> attachment Describes volume attachment details.<p/>
*/",
  "setterMethodName": "setAttachment",
  "setterModel": {
    "variableDeclarationType": "VolumeAttachment",
    "variableName": "attachment",
    "variableType": "VolumeAttachment",
    "documentation": "",
"http": 
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Attachment",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Attachment",
  "uri": false
},
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return The ID of the virtual private gateway.
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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@return
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 */
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@return Returns a reference to this object so that method calls can be chained together.
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  "errorCode" : null,
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    "getterDocumentation" : "/**<p>Information about the attachment.</p><p>@return Information about the attachment.</p>*/",
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"documentation": ".&lt;p&gt;The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**
 * The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
 *
 * @param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
",
"fluentSetterMethodName": "withSourceSecurityGroupName",
"getterDocumentation": "/**
 * The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
 *
 * @return The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
 */
",
"getterMethodName": "getSourceSecurityGroupName",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SourceSecurityGroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "sourceSecurityGroupName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access to a
destination security group, we recommend that you use a set of IP permissions instead.</p>*/
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.*"",
"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To authorize outbound access
to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "The name of a destination security group. To authorize outbound access to a
destination security group, we recommend that you use a set of IP permissions instead.
</p>"",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The AWS account number for a destination security group. To authorize outbound
access to a destination security group, we recommend that you use a set of IP permissions instead.
</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound
access to a destination security group, we recommend that you use a set of IP permissions instead.
</p>*/
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound
access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "The AWS account number for a destination security group. To authorize outbound
access to a destination security group, we recommend that you use a set of IP permissions instead.
</p>
@return The AWS account number for a destination security group. To authorize outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.*"/"
"getterMethodName": "getSourceSecurityGroupOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SourceSecurityGroupOwnerId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "sourceSecurityGroupOwnerId",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "SourceSecurityGroupOwnerId",

"setterDocumentation": "/**
 * The AWS account number for a destination security group. To authorize
 * outbound access to a destination security group, we recommend that you use a set of IP permissions
 * instead.*/
 * @param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize
 * outbound access to a destination security group, we recommend that you use a set of IP permissions
 * instead.
 * @return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "setSourceSecurityGroupOwnerId",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupOwnerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/**
 * The AWS account number for a destination security group. To authorize
 * outbound access to a destination security group, we recommend that you use a set of IP permissions
 * instead.*/
 * @param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize
 * outbound access to a destination security group, we recommend that you use a set of IP permissions
 * instead.
 * @return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupOwnerId"
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"variableName" : "sourceSecurityGroupOwnerId",
"variableType" : "String",
"documentation" : "<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>
@return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/** <p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>\n@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead. */",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
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  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>\n@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/** <p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@return The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead. */",
"getterMethodName" : "getFromPort",
"getterModel" : {
  "returnType" : "Integer"}
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.""},
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.",
"enumType" : null,
"fluentSetterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.",
"getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.",
"getterMethodName" : "getToPort",
"getterModel" : {  
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {  
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.",
"idempotencyToken" : false,
number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*
*/

setterMethodName": "setToPort",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*
*/

setterMethodName": "setToPort",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*
*/

variable": {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*
*/

variable": {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*
*/

variable": {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*
*/

documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

returnType" : null,
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

returnType" : null,
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>

returnType" : null,
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>

returnType" : null,
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>

returnType" : null,
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>

returnType" : null,
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "cidrIp",
    "uri" : false
},
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CidrIp",
    "setterDocumentation" : "/**<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>@param cidrIp The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.*/",
    "setterMethodName" : "setCidrIp",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "cidrIp",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>@param cidrIp The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "cidrIp",
        "variableType" : "String",
        "documentation" : "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.

```java
public class IpPermissions {
    private List<IpPermission> ipPermissions;

    public IpPermissions(List<IpPermission> ipPermissions) {
        this.ipPermissions = ipPermissions;
    }

    public List<IpPermission> getIpPermissions() {
        return new ArrayList<>(ipPermissions);
    }

    public IpPermissions withIpPermissions(List<IpPermission> ipPermissions) {
        this.ipPermissions = ipPermissions;
        return this;
    }
}
```
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@returns */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IpPermission",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@returns
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@returns
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
"setterDocumentation": "A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p><p><var>param ipPermissions</var> A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>*/",
"setterMethodName": "setIpPermissions",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p><p>NOTE: This method appends the values to the existing list (if any). Use { @link #setIpPermissions(java.util.Collection)} or { @link #withIpPermissions(java.util.Collection)} if you want to override the existing values.</p><p><var>param ipPermissions</var> A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>

return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>
"}},
"membersAsMap": {
  "CidrIp": {
    "c2jName": "CidrIp",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.",
    "enumType": null,
    "fluentSetterDocumentation": "The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.",
    "getterDocumentation": "The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.",
    "getterMethodName": "getCidrIp",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
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      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "CidrIp",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "cidrIp",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "CidrIp",
    "setterDocumentation": "The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.",
    "setterMethodName": "setCidrIp",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "CidrIp"
    }
  }
}
"variableName": "cidrIp",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p><p>@param cidrIp The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "cidrIp",
"variableType": "String",
"documentation": "<p>The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FromPort": {
"c2jName": "FromPort",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
"complexType": "String",
"variableSetterType": "String"
},
"complexType": "String",
"variableSetterType": "String"
},

"optional": false,
"minimal": false,
"fluentSetterDocumentation": "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withFromPort",
"getterDocumentation": "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@return The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>*/",
"getterMethodName": "getFromPort",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "FromPort",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "fromPort",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "FromPort",
"setterDocumentation": "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
"setterMethodName": "setFromPort",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "fromPort",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "fromPort",
  "variableType": "Integer",
  "documentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple": true,
  "xmlNameSpaceUri": null
},
"GroupId": {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p>\p>The ID of the security group.\p>\p>\p>",
"enumType" : null,
"fluentSetterDocumentation" : "\p>\p>The ID of the security group.\p>\n@\param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "\p>\p>The ID of the security group.\p>\n@return The ID of the security group. */",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "\p>\p>The ID of the security group.\p>\n@\param groupId The ID of the security group.\n*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\p>\p>The ID of the security group.\p>\n@\param groupId The ID of the security group.\n*/"
security group.

@returns Returns a reference to this object so that method calls can be chained together.

```

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpPermissions" : {
  "c2jName" : 'IpPermissions",
  "c2jShape" : 'IpPermissionList",
  "deprecated" : false,
  "documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpPermissions",
  "getterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>
@return A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.*/",
  "getterMethodName" : "getIpPermissions",
  "getterModel" : {
    "returnType" : "java.util.List<IpPermission>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpPermissions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipPermissions",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
```

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"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "IpPermission",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@\param member
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@\return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "IpPermission",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\\n@\param member
@\*/",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "IpPermission",
            "variableName" : "member",
            "variableType" : "IpPermission",
            "documentation" : "",
            "simpleType" : "IpPermission",
            "variableSetterType" : "IpPermission"
        }
    }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\\n@\param member
@\*/",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "IpPermission",
    "variableName" : "member",
    "variableType" : "IpPermission",
    "documentation" : "",
    "simpleType" : "IpPermission",
    "variableSetterType" : "IpPermission"
A set of IP permissions. You can't specify a destination security group and a CIDR IP address range. 

A set of IP permissions. You can't specify a destination security group and a CIDR IP address range. 

This method appends the values to the existing list (if any). Use { @link #setIpPermissions(java.util.Collection) } or { @link #withIpPermissions(java.util.Collection) } if you want to override the existing values. 

Returns a reference to this object so that method calls can be chained together.
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>",
},
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpProtocol",
  "getterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
  "getterMethodName" : "getIpProtocol",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpProtocol",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipProtocol",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**\n * The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n * @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n * @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n * @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"SourceSecurityGroupName" : {
  "c2jName" : "SourceSecurityGroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSourceSecurityGroupName",
  "getterDocumentation" : "/**\n * The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.\n * @return Returns a reference to this object so that method calls can be chained together.*/"}
use a set of IP permissions instead.*/

"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceSecurityGroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceSecurityGroupName",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**
<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/

"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceSecurityGroupOwnerId" : {
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"getterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceSecurityGroupOwnerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead. */",
"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together. */",
"varargSetterMethodName" : "withSourceSecurityGroupOwnerId",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ToPort" : {
  "c2jName" : "ToPort",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withToPort",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
**getterDocumentation**: 

```html
/**
<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

@return The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/
```

**getterMethodName** : "getToPort",

**getterModel** : {
  "returnType" : "Integer",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "ToPort",

**setterDocumentation** : 

```html
/**
<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/
```

**setterMethodName** : "setToPort",

**setterModel** : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

**simple** : true,

**varargSetterDocumentation** : 

```html
/**
<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.

@return Returns a reference to this object so that method calls can
```
be chained together.*/

  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "toPort",
    "variableType" : "Integer",
    "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupId" ],
"shapeName" : "AuthorizeSecurityGroupEgressRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupEgressRequest",
  "variableName" : "authorizeSecurityGroupEgressRequest",
  "variableType" : "AuthorizeSecurityGroupEgressRequest",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupEgressRequest",
  "variableSetterType" : "AuthorizeSecurityGroupEgressRequest"
},
"wrapper" : false
},
"AuthorizeSecurityGroupEgressResult" : {
  "c2jName" : "AuthorizeSecurityGroupEgressResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestAsMap" : { },
  "requestSignerAware" : false,
  "responseSignerAware" : false,
  "responseSignerClassFqcn" : null,
  "required" : [ "GroupId" ],
  "shapeName" : "AuthorizeSecurityGroupEgressResult",
  "unmarshaller" : null,
  "variable" : {
    "variableDeclarationType" : "AuthorizeSecurityGroupEgressRequest",
    "variableName" : "authorizeSecurityGroupEgressRequest",
    "variableType" : "AuthorizeSecurityGroupEgressRequest",
    "documentation" : null,
    "simpleType" : "AuthorizeSecurityGroupEgressRequest",
    "variableSetterType" : "AuthorizeSecurityGroupEgressRequest"
  },
  "wrapper" : false
}
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AuthorizeSecurityGroupEgressResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupEgressResult",
  "variableName" : "authorizeSecurityGroupEgressResult",
  "variableType" : "AuthorizeSecurityGroupEgressResult",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupEgressResult",
  "variableSetterType" : "AuthorizeSecurityGroupEgressResult"
},
"wrapper" : false
},
"AuthorizeSecurityGroupIngressRequest" : {
  "c2jName" : "AuthorizeSecurityGroupIngressRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AuthorizeSecurityGroupIngress.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "AuthorizeSecurityGroupIngress",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "GroupName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>*/"
  }]
}
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group. Required for a nondefault VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>*/
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>*/
@return The ID of the security group. Required for a nondefault VPC.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>*/
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>@param groupId The ID of the security group. Required for a nondefault VPC.</param>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group. Required for a nondefault VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SourceSecurityGroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</param>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withSourceSecurityGroupName",
  "getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>@return [EC2-Classic, default VPC] The name of the source security group. You can’t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</param>\n@return Returns a reference to this object so that method calls can be chained together.*\*/"}
range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.*/

"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.*/

The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.*/

The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.*/

"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.\n</p>@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*\*/
"}
use a set of IP permissions instead.\n\n@return [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*/

"getterMethodName" : "getSourceSecurityGroupOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.*/

"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple": true,

"varargSetterDocumentation": "/**<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {

  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupOwnerId",
  "variableType": "String",

  "documentation": "</p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>",

  "simpleType": "String",

  "variableSetterType": "String",

  "xmlNameSpaceUri": null
},

  "c2jName": "IpProtocol",

  "c2jShape": "String",

  "deprecated": false,

  "documentation": "</p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see </a>http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml")Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>",

  "enumType": null,

  "fluentSetterDocumentation": "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see </a>http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml")Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.\n@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see </a>http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml")Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or
<code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For protocol <code>58</code> (ICMPv6), you must specify a port range. For protocol <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>

**getterDocumentation**: 

The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For protocol <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

**getterMethodName**: 

```
public String getIpProtocol()
```

**setterDocumentation**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**setterMethodName**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**getterModel**: 

```
public String getIpProtocol()
```

**setterModel**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**http**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**idempotencyToken**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**list**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**map**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**name**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**setterDocumentation**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**setterMethodName**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**getterModel**: 

```
public String getIpProtocol()
```

**setterModel**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**http**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**idempotencyToken**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**list**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**map**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**name**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**setterDocumentation**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```

**setterMethodName**: 

```
public IpProtocol withIpProtocol(String ipProtocol)
```
or a protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;, or &lt;code&gt;58&lt;/code&gt; (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;, you must specify a port range. For protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

\@param ipProtocol The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use &lt;code&gt;-1&lt;/code&gt; to specify all protocols. If you specify &lt;code&gt;-1&lt;/code&gt; or a protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, or &lt;code&gt;icmp&lt;/code&gt;, traffic on all ports is allowed, regardless of any ports you specify. For &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;, you must specify a port range. For protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

\*\*

"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\*/\p&gt;The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use &lt;code&gt;-1&lt;/code&gt; to specify all protocols. If you specify &lt;code&gt;-1&lt;/code&gt; or a protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;, or &lt;code&gt;58&lt;/code&gt; (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;, you must specify a port range. For protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

\p&gt;\n\n\*\*

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use &lt;code&gt;-1&lt;/code&gt; to specify all protocols. If you specify &lt;code&gt;-1&lt;/code&gt; or a protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, or &lt;code&gt;icmp&lt;/code&gt;, traffic on all ports is allowed, regardless of any ports you specify. For &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;, you must specify a port range. For protocol &lt;code&gt;58&lt;/code&gt; (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.

\*/\p"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "\p> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.\p>",
"enumType" : null,
"fluentSetterDocumentation" : "\**\p> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.\n\@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "\**\p> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.\n\@return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "FromPort",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "FromPort",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "\**\p> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6
type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.

```java
@Parameter(type = Number.class)
public void setFromPort(Number fromPort) {
    this.fromPort = fromPort;
}
```

### ToPort

The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.

```java
@Parameter(type = Number.class)
public void setToPort(Number toPort) {
    this.toPort = toPort;
}
```

### Documentation

- **Start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number.** For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.
- **End of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number.** For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ToPort",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ToPort",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ToPort",
"setterDocumentation": "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6
code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.&lt;/p&gt;*/
@<param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code
number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.*/

setterMethodName": "setToPort",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "toPort",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The end of port range for the TCP and UDP protocols, or an
ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all
codes.&lt;/p&gt;*/
@<param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code
number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.*/

variable": {
  "variableDeclarationType": "Integer",
  "variableName": "toPort",
  "variableType": "Integer",
  "documentation": ""<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code
number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.&lt;/p&gt;"",}
"complexType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a
source security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when
specifying a source security group.</p>@param cidrIp The CIDR IPv4 address range. You can't specify this
parameter when specifying a source security group.@return Returns a reference to this object so that method calls
can be chained together.*/",
"fluentSetterMethodName" : "withCidrIp",
"getterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when
specifying a source security group.</p>@return The CIDR IPv4 address range. You can't specify this parameter
when specifying a source security group.*/",
"getterMethodName" : "getCidrIp",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CidrIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when
specifying a source security group.</p>@param cidrIp The CIDR IPv4 address range. You can't specify this
parameter when specifying a source security group.*/"},
setterMethodName" : "setCidrIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>\n@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpPermissions",
"c2jShape" : "IpPermissionList",
"deprecated" : false,
"documentation" : "<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>",

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>\n@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>\n@return A set of IP permissions. Can be used to specify multiple rules in a single command.</p>",

"getterMethodName" : "getIpPermissions",
"getterModel" : {
  "returnType" : "java.util.List<IpPermission>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpPermissions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IpPermissions",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
         @param member
         @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "IpPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "IpPermission",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "templateType" : "java.util.List<IpPermission>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.*"/
,"setterMethodName" : "setIpPermissions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>"
**A set of IP permissions.** Can be used to specify multiple rules in a single command. This method appends the values to the existing list (if any). Use `#setIpPermissions(java.util.Collection)` or `#withIpPermissions(java.util.Collection)` if you want to override the existing values. If you want to specify multiple rules in a single command, return a reference to this object so that method calls can be chained together.

```java
public void setIpPermissions(IpPermission... ipPermissions)
```

**The CIDR IPv4 address range.** You can't specify this parameter when specifying a source security group.

```java
public void withCidrIp(String cidrIp)
```

**Returns** A reference to this object so that method calls can be chained together.
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CidrIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "cidrIp",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "cidrIp",
"variableType" : "String",
"documentation" : "<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FromPort" : {
"c2jName" : "FromPort",
"c2jShape" : "Integer",
"deprecated" : false,
The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.

```java
/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public void setFromPort(Integer fromPort) {
    this.fromPort = fromPort;
}

/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 */

public Integer getFromPort() {
    return fromPort;
}

```

```markdown
fromPort: Integer
```

```java
private Integer fromPort;
```

### HTTP

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: null
- **marshallLocationName**: "FromPort"
- **queryString**: false
- **statusCode**: false
- **unmarshallLocationName**: "FromPort"
- **uri**: false

### Idempotency Token

- **false**

### List

- **false**

### Map

- **false**

### Name

- **"FromPort"**

### Setter Documentation

- **"**The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.**"*/p>

```java
/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @return The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 */

class MyClass {
    public void setFromPort(Integer fromPort) {
        this.fromPort = fromPort;
    }
    public Integer getFromPort() {
        return fromPort;
    }
}
```

### Getter Documentation

```java
/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use `<code>-1</code>` to specify all types.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
private Integer fromPort;
```

```java
class MyClass {
    private Integer fromPort;
    public void setFromPort(Integer fromPort) {
        this.fromPort = fromPort;
    }
    public Integer getFromPort() {
        return fromPort;
    }
}
```
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p><p><code>@param fromPort</code> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p><p></p>\n<br>@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group. Required for a nondefault VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p><p><code>@param groupId</code> The ID of the security group. Required for a nondefault VPC.</p><p></p>\n<br>@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p><p><code>@return</code> The ID of the security group. Required for a nondefault VPC.</p><p></p>\n<br>@*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"simpleType" : "String",
"variableType" : "String",
"xmlNameSpaceUri" : null
},
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p><p><code>@param fromPort</code> The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use <code>-1</code> to specify all types.</p><p></p>\n<br>@return Returns a reference to this object so that method calls can be chained together.</p>
*/
"},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group. Required for a nondefault VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p><p><code>@param groupId</code> The ID of the security group. Required for a nondefault VPC.</p><p></p>\n<br>@return Returns a reference to this object so that method calls can be chained together.</p>
*/
"},
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
:idempotencyToken" : false,
:list" : false,
:listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**\p>The ID of the security group. Required for a nondefault VPC.\n@param groupId The ID of the security group. Required for a nondefault VPC.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The ID of the security group. Required for a nondefault VPC.\n@param groupId The ID of the security group. Required for a nondefault VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>[EC2-Classic, default VPC] The name of the security group.\n@param groupName [EC2-Classic, default VPC] The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**\p>[EC2-Classic, default VPC] The name of the security group.\n@return [EC2-Classic, default VPC] The name of the security group.*/",}
"getterMethodName" : "getGroupName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "GroupName",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**\n\[@param groupName [EC2-Classic, default VPC] The name of the security group.*/\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "groupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\[@param groupName [EC2-Classic, default VPC] The name of the security group.*/\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "groupName",
    "variableType" : "String",
    "documentation" : "[EC2-Classic, default VPC] The name of the security group.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
"IpPermissions" : {
  "c2jName" : "IpPermissions",
  "c2jShape" : "IpPermissionList",
  "deprecated" : false,
  "documentation" : "A set of IP permissions. Can be used to specify multiple rules in a single command."
},
"enumType" : null,
"fluentSetterDocumentation" : "A set of IP permissions. Can be used to specify multiple rules in a single command.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "withIpPermissions",
"getterDocumentation" : "A set of IP permissions. Can be used to specify multiple rules in a single command.\n@return A set of IP permissions. Can be used to specify multiple rules in a single command."
,"getterMethodName" : "getIpPermissions",
"getterModel" : {
  "returnType" : "java.util.List<IpPermission>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpPermissions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "IpPermissions",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*"/

"getterDocumentation" : "/**return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IpPermission",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**\n@param member */",

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},

"simple" : false,

"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission"}
"variableSetterType": "IpPermission",
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "IpPermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "IpPermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType": "java.util.List<IpPermission>"
},
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>*/
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.<*/param>*/
,"setterMethodName": "setIpPermissions",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A set of IP permissions. Can be used to specify multiple rules in a single command.</p>*/
@param ipPermissions A set of IP permissions. Can be used to specify multiple rules in a single command.<*/param>*/
,"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "/p>A set of IP permissions. Can be used to specify multiple rules in a single command.<*/p>
,"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri": null
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed. */",
  "enumType" : null,
  "fluentSetterDocumentation" : "The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/
  @param ipProtocol The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/
  @return The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/"
  @return Returns a reference to this object so that method calls can be chained together.*/"
  @return The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/
  @return Returns a reference to this object so that method calls can be chained together.*/"
  @return The IP protocol name (\<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>) or number (see \<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\">Protocol Numbers</a\>). (VPC only) Use \<code\>-1\</code\> to specify all protocols. If you specify \<code\>-1\</code\>, or a protocol number other than \<code\>tcp\</code\>, \<code\>udp\</code\>, \<code\>icmp\</code\>, or \<code\>58\</code\> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For \<code\>tcp\</code\>, \<code\>udp\</code\>, and \<code\>icmp\</code\>, you must specify a port range. For protocol \<code\>58\</code\> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.*/"};
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IpProtocol",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "IpProtocol",
    "uri" : false
},
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "IpProtocol",
    "setterDocumentation" : "/**\n<\p>The IP protocol name (<code>tcp</code>, <code>udp</code>,
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-
numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify
<code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or
<code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For
<code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol
<code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is
allowed.</p>\n@\n\n\n@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>,
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-
numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify
<code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or
<code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For
<code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol
<code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is
allowed.*/",
    "setterMethodName" : "setIpProtocol",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "ipProtocol",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n<\p>The IP protocol name (<code>tcp</code>, <code>udp</code>,
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use 
<code>-1</code> to specify all protocols. If you specify 
<code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or
<code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For
<code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol 
<code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is
allowed.*/"}
numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, 
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.</p>
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ipProtocol",
    "variableType" : "String",
    "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). (VPC only) Use <code>-1</code> to specify all protocols. If you specify <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For protocol <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed."/!",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"SourceSecurityGroupName" : {
    "c2jName" : "SourceSecurityGroupName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC."/!",
    "enumType" : null,
    "fluentSetterDocumentation" : "[/]*/@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC."/!",

VPC.

@returns Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withSourceSecurityGroupName",

"getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>*/

@returns [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC. */

"getterMethodName" : "getSourceSecurityGroupName",

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SourceSecurityGroupName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SourceSecurityGroupName",
   "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SourceSecurityGroupName",

"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>*/

@returns [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC. */

"setterMethodName" : "setSourceSecurityGroupName",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>
[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>
@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC. 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "<p>
[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>
",n"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceSecurityGroupOwnerId" : {
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>
[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>
",n"
"enumType" : null,
"fluentSetterDocumentation" : "<p>
[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>
@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>
"}"}
this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of
the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a
rule with a specific IP protocol and port range, use a set of IP permissions instead.

/**
 * You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP
 * protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and
 * TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
 */

public void withSourceSecurityGroupOwnerId(String sourceSecurityGroupOwnerId) {
    // code
}

/*
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public void setSourceSecurityGroupOwnerId(String sourceSecurityGroupOwnerId) {
    // code
}

/**
 * [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different
 * account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range,
 * the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP,
 * and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.
 */

public String getSourceSecurityGroupOwnerId() {
    // code
}


with a specific IP protocol and port range, use a set of IP permissions instead. */

"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ToPort" : {
  "c2jName" : "ToPort",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.\n@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withToPort"}
"getterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@return The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>
*/",
"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ToPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@return Returns a
*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMPv6 code number. For the ICMPv6 code number, use <code>-1</code> to specify all codes.</p>\n@return Returns a
reference to this object so that method calls can be chained together.*/*.

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use &lt;code&gt;-1&lt;/code&gt; to specify all codes.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AuthorizeSecurityGroupIngressRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupIngressRequest",
  "variableName" : "authorizeSecurityGroupIngressRequest",
  "variableType" : "AuthorizeSecurityGroupIngressRequest",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupIngressRequest",
  "variableSetterType" : "AuthorizeSecurityGroupIngressRequest"
},
"wrapper" : false
},
"AuthorizeSecurityGroupIngressResult" : {
  "c2jName" : "AuthorizeSecurityGroupIngressResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AuthorizeSecurityGroupIngressResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AuthorizeSecurityGroupIngressResult",
  "variableName" : "authorizeSecurityGroupIngressResult",
  "variableType" : "AuthorizeSecurityGroupIngressResult",
  "documentation" : null,
  "simpleType" : "AuthorizeSecurityGroupIngressResult",
  "variableSetterType" : "AuthorizeSecurityGroupIngressResult"
},
"wrapper" : false
},
"AutoPlacement" : {
  "c2jName" : "AutoPlacement",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ { "name" : "On",
    "value" : "on"
  }, { "name" : "Off",
    "value" : "off"
  }],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "AutoPlacement",
  "unmarshaller" : {
    "flattened" : false,
"resultWrapper": null,
],
"variable": {
  "variableDeclarationType": "AutoPlacement",
  "variableName": "autoPlacement",
  "variableType": "AutoPlacement",
  "documentation": null,
  "simpleType": "AutoPlacement",
  "variableSetterType": "AutoPlacement"
},
"wrapper": false
],
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes an Availability Zone.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "ZoneName",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The name of the Availability Zone.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The name of the Availability Zone.</p>
@<param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withZoneName",
      "getterDocumentation": "/**<p>The name of the Availability Zone.</p>
@<return The name of the Availability Zone.*/",
      "getterMethodName": "getZoneName",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
      }
    }
  ]
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ZoneName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "zoneName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ZoneName",
"setterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.*/",
"setterMethodName" : "setZoneName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "zoneName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the Availability Zone.</p>
@param zoneName The name of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "zoneName",
"variableType" : "String",
"documentation" : "<p>The name of the Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "State",
"c2jShape" : "AvailabilityZoneState",
"deprecated" : false,
"documentation" : "<p>The state of the Availability Zone.</p>"
"enumType": "AvailabilityZoneState",
"fluentSetterDocumentation": "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/**<p>The state of the Availability Zone.</p>
@return The state of the Availability Zone.
@see AvailabilityZoneState*/",
"getterMethodName": "getState",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/",
"setterMethodName": "setState",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "state",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The state of the Availability Zone.</p>
@param state The state of the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZoneState*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the Availability Zone.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "RegionName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the region.
  \n  @param regionName The name of the region.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  ",
  "fluentSetterMethodSignature" : "withRegionName",
  "getterDocumentation" : "The name of the region.
  \n  @param regionName The name of the region.
  \n  @return The name of the region.
  ",
  "getterMethodSignature" : "getRegionName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RegionName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "regionName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RegionName",
  "setterDocumentation" : "The name of the region.
  \n  @param regionName The name of the region.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  ",
  "setterMethodName" : "setRegionName"}
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "regionName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param regionName The name of the region.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "regionName",
    "variableType" : "String",
    "documentation" : "<p>The name of the region.</p>
@param regionName The name of the region.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "regionName",
    "variableType" : "String",
    "documentation" : "<p>The name of the region.</p>
@param regionName The name of the region.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
},
"c2jName" : "Messages",
"c2jShape" : "AvailabilityZoneMessageList",
"deprecated" : false,
"documentation" : "Any messages about the Availability Zone.\n@return Any messages about the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nAny messages about the Availability Zone.\n@param messages Any messages about the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessages",
"getterDocumentation" : "Any messages about the Availability Zone.\n@return Any messages about the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMessages",
"getterModel" : {
    "returnType" : "java.util.List<AvailabilityZoneMessage>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MessageSet",
    "queryString" : false,
"statusCode": false,
"unmarshallLocationName": "messageSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "AvailabilityZoneMessage",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
\n@param member 
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "AvailabilityZoneMessage",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n\n@param member 
\n@return */",
    "setterMethodName": "setMember",
    "setterModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "AvailabilityZoneMessage",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
\n@param member 
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "AvailabilityZoneMessage",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n\n@param member 
\n@return */",
    "setterMethodName": "setMember",
    "setterModel": {
"variableDeclarationType": "AvailabilityZoneMessage",
"variableName": "member",
"variableType": "AvailabilityZoneMessage",
"documentation": "",
"simpleType": "AvailabilityZoneMessage",
"variableSetterType": "AvailabilityZoneMessage"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "AvailabilityZoneMessage",
  "variableName": "member",
  "variableType": "AvailabilityZoneMessage",
  "documentation": "",
  "simpleType": "AvailabilityZoneMessage",
  "variableSetterType": "AvailabilityZoneMessage"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "AvailabilityZoneMessage",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "AvailabilityZoneMessage",
"templateImplType": "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"templateType": "java.util.List<AvailabilityZoneMessage>"
},
"map": false,
"mapModel": null,
"name": "Messages",
"setterDocumentation": "/**<p>Any messages about the Availability Zone.</p>
@param messages Any messages about the Availability Zone.</p>*/",
"setterMethodName": "setMessages",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
  "variableName": "messages",
  "variableType": "java.util.List<AvailabilityZoneMessage>",
  "documentation": "",
  "simpleType": "List<AvailabilityZoneMessage>",
  "variableSetterType": "java.util.Collection<AvailabilityZoneMessage>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any messages about the Availability Zone.</p>

<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use {link #setMessages(java.util.Collection)} or {link #withMessages(java.util.Collection)} if you want to override the existing values.

Any messages about the Availability Zone.

@returns Returns a reference to this object so that method calls can be chained together.

```java
public Messages withMessages(java.util.Collection<AvailabilityZoneMessage> messages) {
  this.messages.addAll(messages);
  return this;
}
```

@link #setMessages(java.util.Collection)
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "AvailabilityZoneMessage",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@tparam member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "AvailabilityZoneMessage",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": false,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member
*/",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "AvailabilityZoneMessage",
      "variableName": "member",
      "variableType": "AvailabilityZoneMessage",
      "documentation": "",
      "simpleType": "AvailabilityZoneMessage",
    },
  },
}
"variableSetterType" : "AvailabilityZoneMessage"
},
"simple" : false,
"varargSetterDocumentation" : "/**@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "AvailabilityZoneMessage",
"variableName" : "member",
"variableType" : "AvailabilityZoneMessage",
"documentation" : "",
"simpleType" : "AvailabilityZoneMessage",
"variableSetterType" : "AvailabilityZoneMessage"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AvailabilityZoneMessage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AvailabilityZoneMessage",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"templateType" : "java.util.List<AvailabilityZoneMessage>"
},
"map" : false,
"mapModel" : null,
"name" : "Messages",
"setterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>
@param messages Any messages about the Availability Zone.*/

"setterMethodName" : "setMessages",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"variableName" : "messages",
"variableType" : "java.util.List<AvailabilityZoneMessage>",
"documentation" : "",
"simpleType" : "List<AvailabilityZoneMessage>",
"variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any messages about the Availability Zone.</p>

NOTE:</b>
This method appends the values to the existing list (if any). Use {@link #setMessages(java.util.Collection)} or {
@link #withMessages(java.util.Collection)} if you want to override the existing values.</p>

"variable" :

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AvailabilityZoneMessage>",
"variableName" : "messages",
"variableType" : "java.util.List<AvailabilityZoneMessage>",
"documentation" : "<p>Any messages about the Availability Zone.</p>",
"simpleType" : "List<AvailabilityZoneMessage>",
"variableSetterType" : "java.util.Collection<AvailabilityZoneMessage>"
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 "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The name of the region.*/",
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 "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The name of the region.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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  "c2jShape": "AvailabilityZoneState",
  "deprecated": false,
  "documentation": "<p>The state of the Availability Zone.</p>",
  "enumType": "AvailabilityZoneState",
  "fluentSetterDocumentation": "/\*<p>The state of the Availability Zone.<p>@param state The state of the Availability Zone.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see AvailabilityZoneState*/",
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  "getterDocumentation": "/\*<p>The state of the Availability Zone.<p>@return The state of the Availability Zone.<p>@see AvailabilityZoneState*/",
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    "documentation": null
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@see AvailabilityZoneState*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.
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  "simpleType" : "String",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the Availability Zone.</p>
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@return Returns a reference to this object so that method calls can be chained together.
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  "getterDocumentation" : "/**<p>The name of the Availability Zone.</p>
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@return The name of the Availability Zone.
@see AvailabilityZone万个*/",}
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    "documentation" : "",
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@param zoneName The name of the Availability Zone.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
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"customization": {
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Describes a message about an Availability Zone.

<p>The message about the Availability Zone.</p>

@param message The message about the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together."
}
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"getterDocumentation": "/**<p>The message about the Availability Zone.</p>
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"getterMethodName": "getMessage",
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"documentation": null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "<p>The message about the Availability Zone.</p>",
"enumType" : null,
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"documentation" : null
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  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The message about the Availability Zone.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
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  "simpleType" : "AvailabilityZoneMessage",
  "variableSetterType" : "AvailabilityZoneMessage"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "value": "available"
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  , {
  "name": "Information",
  "value": "information"
}
  , {
  "name": "Impaired",
  "value": "impaired"
}
  , {
  "name": "Unavailable",
  "value": "unavailable"
} ],
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"hasStreamingMember": false,
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"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AvailabilityZoneState",
"unmarshaller": {
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  "resultWrapper": null
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  "variableName": "availabilityZoneState",
  "variableType": "AvailabilityZoneState",
  "documentation": null,
  "simpleType": "AvailabilityZoneState",
  "variableSetterType": "AvailabilityZoneState"
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"wrapper": false
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  "c2jName": "AvailableCapacity",
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    "skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
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"enums" : null,
"errorCode" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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        "c2jShape" : "AvailableInstanceCapacityList",
        "deprecated" : false,
        "documentation" : "&lt;p&gt;The total number of instances that the Dedicated Host supports.&lt;/p&gt;",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**&lt;p&gt;The total number of instances that the Dedicated Host supports.&lt;/p&gt;\n@n&lt;param availableInstanceCapacity The total number of instances that the Dedicated Host supports.&lt;/p&gt;\n@n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;",
        "fluentSetterMethodName" : "withAvailableInstanceCapacity",
        "getterDocumentation" : "/**&lt;p&gt;The total number of instances that the Dedicated Host supports.&lt;/p&gt;\n@n@return The total number of instances that the Dedicated Host supports.&lt;/p&gt;",
        "getterMethodName" : "getAvailableInstanceCapacity",
        "getterModel" : {
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            "documentation" : null
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            "greedy" : false,
            "header" : false,
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            "isStreaming" : false,
            "location" : null,
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            "statusCode" : false,
            "unmarshallLocationName" : "availableInstanceCapacity",
            "uri" : false
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            "interfaceType" : "java.util.List"
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  "c2jShape": "InstanceCapacity",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
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    "documentation": null
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "InstanceCapacity",
    "documentation": "",
    "simpleType": "InstanceCapacity",
    "variableSetterType": "InstanceCapacity"
  },
  "simple": false,
  "varargSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/"}
method calls can be chained together. */

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        "simpleType" : "InstanceCapacity",
        "variableSetterType" : "InstanceCapacity"
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"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCapacity",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
"templateType" : "java.util.List<InstanceCapacity>",
"map" : false,
"mapModel" : null,
"name" : "AvailableInstanceCapacity",
"setterDocumentation" : "/**\n * The total number of instances that the Dedicated Host supports.\n * @param availableInstanceCapacity The total number of instances that the Dedicated Host supports.\n * @return Returns a reference to this object so that method calls can be chained together. */

    "setterMethodName" : "setAvailableInstanceCapacity",
    "setterModel" : {
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        "variableName" : "availableInstanceCapacity",
        "variableType" : "java.util.List<InstanceCapacity>",
        "documentation" : "",
        "simpleType" : "List<InstanceCapacity>",
        "variableSetterType" : "java.util.Collection<InstanceCapacity>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n * The total number of instances that the Dedicated Host supports.\n *\n * <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAvailableInstanceCapacity(java.util.Collection)} or {@link #withAvailableInstanceCapacity(java.util.Collection)} if you want to override the existing values.\n *\n * @param availableInstanceCapacity The total number of instances that the Dedicated Host supports.\n * @return Returns a reference to this object so that method calls can be chained together. */

    "variable" : {
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        "variableName" : "availableInstanceCapacity",
        "variableType" : "java.util.List<InstanceCapacity>",
        "variableDeclarationType" : "InstanceCapacity",
        "variableName" : "member",
        "variableType" : "InstanceCapacity",
        "documentation" : "",
        "simpleType" : "InstanceCapacity",
        "variableSetterType" : "InstanceCapacity"
    },
    "xmlNameSpaceUri" : null
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"documentation": "The total number of instances that the Dedicated Host supports.",
"simpleType": "List<InstanceCapacity>",
"variableSetterType": "java.util.Collection<InstanceCapacity>"
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"xmlNameSpaceUri": null
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"documentation": "The number of vCPUs available on the Dedicated Host.",
"enumType": null,
"fluentSetterDocumentation": "The number of vCPUs available on the Dedicated Host.
@param availableVCpus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withAvailableVCpus",
"getterDocumentation": "The number of vCPUs available on the Dedicated Host.
@return The number of vCPUs available on the Dedicated Host.
*/",
"getterMethodName": "getAvailableVCpus",
"getterModel": {
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  "documentation": null
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "availableVCpus",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "The number of vCPUs available on the Dedicated Host.
@param availableVCpus The number of vCPUs available on the Dedicated Host.
*/",
"setterMethodName": "setAvailableVCpus",
"setterModel": {
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  "variableSetterType": "java.util.Collection<InstanceCapacity>"}
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"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"varargSetterDocumentation": "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCpus The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "Integer",
"documentation": "<p>The number of vCPUs available on the Dedicated Host.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
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"c2jShape": "AvailableInstanceCapacityList",
"deprecated": false,
"documentation": "<p>The total number of instances that the Dedicated Host supports.</p>",
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"fluentSetterDocumentation": "/**<p>The total number of instances that the Dedicated Host supports.</p>
@param availableInstanceCapacity The total number of instances that the Dedicated Host supports.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The total number of instances that the Dedicated Host supports.</p>
@return The total number of instances that the Dedicated Host supports.*/",
"getterMethodName": "getAvailableInstanceCapacity",
"getterModel": {
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"documentation": null
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"isStreaming": false,
"location": null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availableInstanceCapacity",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "InstanceCapacity",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@param member
\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return */",
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      "documentation" : null
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      "uri" : false
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    "map" : false,
    "mapModel" : null,
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    "setterDocumentation" : "/**\n\n@param member */",
    "setterMethodName" : "setMember",
}
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  "documentation" : "",
  "simpleType" : "InstanceCapacity",
  "variableSetterType" : "InstanceCapacity"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "InstanceCapacity",
  "variableName" : "member",
  "variableType" : "InstanceCapacity",
  "documentation" : "",
  "simpleType" : "InstanceCapacity",
  "variableSetterType" : "InstanceCapacity"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceCapacity",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCapacity",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
"templateType" : "java.util.List<InstanceCapacity>"
},
"map" : false,
"mapModel" : null,
"name" : "AvailableInstanceCapacity",
"setterDocumentation" : "<p>The total number of instances that the Dedicated Host supports.</p>

/**\n@param availableInstanceCapacity The total number of instances that the Dedicated Host supports. */",
"setterMethodName" : "setAvailableInstanceCapacity",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
  "variableName" : "availableInstanceCapacity",
  "variableType" : "java.util.List<InstanceCapacity>",
  "documentation" : "",
  "simpleType" : "List<InstanceCapacity>",
  "variableSetterType" : "java.util.Collection<InstanceCapacity>"
}
"varargSetterDocumentation" : "/**<p>The total number of instances that the Dedicated Host supports.</p>
NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setAvailableInstanceCapacity(java.util.Collection)} or { @link 
#withAvailableInstanceCapacity(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceCapacity>",
"variableName" : "availableInstanceCapacity",
"variableType" : "java.util.List<InstanceCapacity>",
"documentation" : "<p>The total number of instances that the Dedicated Host supports.</p>",
"simpleType" : "List<InstanceCapacity>",
"variableSetterType" : "java.util.Collection<InstanceCapacity>"
},
"xmlnsSpaceUri" : null
},
"AvailableVCpus" : {
"c2jName" : "AvailableVCpus",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of vCPUs available on the Dedicated Host.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailableVCpus",
"getterDocumentation" : "/**<p>The number of vCPUs available on the Dedicated Host.</p>
@returns The number of vCPUs available on the Dedicated Host.
*/",
"getterMethodName" : "getAvailableVCpus",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailableVCpus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availableVCpus",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableVCpus",
"setterDocumentation" : "/**
<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCpus
The number of vCPUs available on the Dedicated Host.*/",
"setterMethodName" : "setAvailableVCpus",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "availableVCpus",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The number of vCPUs available on the Dedicated Host.</p>
@param availableVCpus
The number of vCPUs available on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "AvailableCapacity",
  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : null,
  "simpleType" : "AvailableCapacity",
  "variableSetterType" : "AvailableCapacity"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AvailableCapacity",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AvailableCapacity",
  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : null,
  "simpleType" : "AvailableCapacity",
  "variableSetterType" : "AvailableCapacity"
"BatchState" : {
  "c2jName" : "BatchState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Submitted",
    "value" : "submitted"
  }, {
    "name" : "Active",
    "value" : "active"
  }, {
    "name" : "Cancelled",
    "value" : "cancelled"
  }, {
    "name" : "Failed",
    "value" : "failed"
  }, {
    "name" : "Cancelled_running",
    "value" : "cancelled_running"
  }, {
    "name" : "Cancelled_terminating",
    "value" : "cancelled_terminating"
  }, {
    "name" : "Modifying",
    "value" : "modifying"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "BatchState",
  "unmarshaller" : { }"
"flattened": false,
"resultWrapper": null
],
"variable": {
"variableDeclarationType": "BatchState",
"variableName": "batchState",
"variableType": "BatchState",
"documentation": null,
"simpleType": "BatchState",
"variableSetterType": "BatchState"
},
"wrapper": false
],
"BlockDeviceMapping": {
"c2jName": "BlockDeviceMapping",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a block device mapping.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "VirtualName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>"}
mapping for the AMI. The virtual device name (<code>ephemeral</code> N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

</p>

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

@return Returns a reference to this object so that method calls can be chained together.*”

"fluentSetterMethodName" : "withVirtualName",

"getterDocumentation" : "**p>The virtual device name (<code>ephemeral</code> N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Contraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

@return The virtual device name (<code>ephemeral</code> N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.*”

"getterMethodName" : "getVirtualName",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VirtualName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "virtualName",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "VirtualName",

"setterDocumentation" : "/**p>The virtual device name (<code>ephemeral</code> N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for
The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, you ignore any instance store volumes specified in the block device mapping for the AMI.

@param virtualName The virtual device name (<code class='language-plaintext'>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code class='language-plaintext'>ephemeral0</code> and <code class='language-plaintext'>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

@return Returns a reference to this object so that method calls can be chained together.
The device name exposed to the instance (for example, `<code>/dev/sdh</code>` or `<code>xvdh</code>`).

```java
@getDeviceName
public String getDeviceName()

@setDeviceName
public void setDeviceName(String deviceName)
```

The device name exposed to the instance (for example, `<code>/dev/sdh</code>` or `<code>xvdh</code>`).

```
@getDeviceName
public String getDeviceName()

@setDeviceName
public void setDeviceName(String deviceName)
```
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n   *\n   * @param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ebs",
"c2jShape" : "EbsBlockDevice",
"deprecated" : false,
"documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.\n   *
   * @param ebs Parameters used to automatically set up EBS volumes when the instance is launched.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.\n   *
   * @return Parameters used to automatically set up EBS volumes when the instance is launched.\n   */",
"getterMethodName" : "getEbs",
"getterModel" : {
  "returnType" : "EbsBlockDevice",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ebs",
  "xmlNameSpaceUri" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebs",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ebs",
"setterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>*/
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.*/",
"setterMethodName" : "setEbs",
"setterModel" : {
  "variableDeclarationType" : "EbsBlockDevice",
  "variableName" : "ebs",
  "variableType" : "EbsBlockDevice",
  "documentation" : "",
  "simpleType" : "EbsBlockDevice",
  "variable Setter Type" : "EbsBlockDevice"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>*/
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withEbs",
"variable" : {
  "variableDeclarationType" : "EbsBlockDevice",
  "variableName" : "ebs",
  "variableType" : "EbsBlockDevice",
  "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
"simpleType" : "EbsBlockDevice",
  "variableSetterType" : "EbsBlockDevice"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NoDevice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>*/
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNoDevice",
"getterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the
AMI.</p>

@return Suppresses the specified device included in the block device mapping of the AMI.*

@Getter
public String getNoDevice()

@Setter
public void setNoDevice(String noDevice)

/** Suppresses the specified device included in the block device mapping of the AMI.

@return Returns a reference to this object so that method calls can be chained together.

*/


AMI.

```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]

"membersAsMap" : {
 "DeviceName" : {
 "c2jName" : "DeviceName",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\</p>

 "enumType" : null,
 "fluentSetterDocumentation" : "/**\p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withDeviceName",
 "getterDocumentation" : "/**\p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@return The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).*/",
 "getterMethodName" : "getDeviceName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "DeviceName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "deviceName",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "DeviceName",
```
"setterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@ param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).*/",
"setterMethodName" : "setDeviceName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "deviceName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@ param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "deviceName",
    "variableType" : "String",
    "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Ebs" : {
    "c2jName" : "Ebs",
    "c2jShape" : "EbsBlockDevice",
    "deprecated" : false,
    "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@ return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEbs",
    "getterDocumentation" : "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.\n@return Parameters used to automatically set up EBS volumes when the instance is launched.*/",
    "getterMethodName" : "getEbs",
    "getterModel" : {
        "returnType" : "EbsBlockDevice",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ebs",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebs",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ebs",
"setterDocumentation" : "/**\n * Parameters used to automatically set up EBS volumes when the instance is launched.
 */\n@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
 */",
"setterMethodName" : "setEbs",
"setterModel" : {
    "variableDeclarationType" : "EbsBlockDevice",
    "variableName" : "ebs",
    "variableType" : "EbsBlockDevice",
    "documentation" : "",
    "simpleType" : "EbsBlockDevice",
    "variableSetterType" : "EbsBlockDevice"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Parameters used to automatically set up EBS volumes when the instance is launched.
 */\n@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
@return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
    "variableDeclarationType" : "EbsBlockDevice",
    "variableName" : "ebs",
    "variableType" : "EbsBlockDevice",
    "documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.
 */",
    "simpleType" : "EbsBlockDevice",
    "variableSetterType" : "EbsBlockDevice"
},
"xmlnsNameSpaceUri" : null
},
"NoDevice" : {
    "c2jName" : "NoDevice",
    "variable" : {
        "variableDeclarationType" : "EbsBlockDevice",
        "variableName" : "ebs",
        "variableType" : "EbsBlockDevice",
        "documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.
 */",
        "simpleType" : "EbsBlockDevice",
        "variableSetterType" : "EbsBlockDevice"
    },
    "xmlnsNameSpaceUri" : null
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNoDevice",
"getterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
@return Suppresses the specified device included in the block device mapping of the AMI.*/",
"getterMethodName" : "getNoDevice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NoDevice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "noDevice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NoDevice",
"setterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>
@param noDevice Suppresses the specified device included in the block device mapping of the AMI.*/",
"setterMethodName" : "setNoDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "noDevice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "noDevice",
"variableType" : "String",
"documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VirtualName" : {
"c2jName" : "VirtualName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>",
"getterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>",
"getterMethodDocumentation" : "/*<p>Return Returns a reference to this object so that method calls can be chained together.*/",
"getterSetterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterSetterMethodDocumentation" : "/*<p>Return Returns a reference to this object so that method calls can be chained together.*/"}
mapping for the AMI.

```java
@Param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>

<p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.*/"},

```
"variableName" : "virtualName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualName",
  "variableType" : "String",
  "documentation" : "The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "BlockDeviceMapping",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "blockDeviceMapping",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"variableType" : "BlockDeviceMapping",
"documentation" : null,
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"wrapper" : false
},
"BundleInstanceRequest" : {
"c2jName" : "BundleInstanceRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"Deprecated" : false,
"documentation" : "<p>Contains the parameters for BundleInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "BundleInstance",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [{
"c2jName" : "InstanceId",
"c2jShape" : "String",
"documentation" : "<p>The ID of the instance to bundle.</p> <p>Type: String</p> 
<p>Default: None</p> <p>Required: Yes</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance to bundle.</p>
<p>Type: String</p> 
<p>Default: None</p> 
<p>Required: Yes</p> 

@param instanceId The ID of the instance to bundle.</p> 
<p>Type: String</p> 
<p>Default: None</p> 
<p>Required: Yes

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance to bundle.</p>
<p>Type: String</p> 
<p>Default: None</p> 
<p>Required: Yes</p> 

@return The ID of the instance to bundle.</p> 
<p>Type: String</p> 
<p>Default: None</p> 
<p>Required: Yes*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>
@n@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes*/
@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>",
    "simpleType" : "String",
The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.

```
public Storage withStorage(String storage) {
    ... return this;
```

The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.

```
public Storage withStorage(String storage) {
    ... return this;
```

The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.

```
public Storage withStorage(String storage) {
    ... return this;
```
"name" : "Storage",
"setterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"setterMethodName" : "setStorage",
"setterModel" : {
  "variableDeclarationType" : "Storage",
  "variableName" : "storage",
  "variableType" : "Storage",
  "documentation" : "",
  "simpleType" : "Storage",
  "variableSetterType" : "Storage"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "variableDeclarationType" : "InstanceId",
  "variableName" : "instanceId",
  "variableType" : "InstanceId",
  "documentation" : "",
  "simpleType" : "InstanceId",
  "variableSetterType" : "InstanceId"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withInstanceId",
"fluentSetterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@param instanceId The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"}
**InstanceId**

The ID of the instance to bundle.

*Type: String*

*Default: None

*Required: Yes*

**getterMethodName** = "getInstanceId"

**getterModel** :

"returnType" = "String",
"documentation" = null

**http** :

"additionalMarshallingPath" = null,
"additionalUnmarshallingPath" = null,
"flattened" = false,
"greedy" = false,
"header" = false,
"isPayload" = false,
"isStreaming" = false,
"location" = null,
"marshallLocationName" = "InstanceId",
"queryString" = false,
"statusCode" = false,
"unmarshallLocationName" = "InstanceId",
"uri" = false

**idempotencyToken** = false,

**list** = false,

**listModel** = null,

**map** = false,

**mapModel** = null,

**name** = "InstanceId",

**setterDocumentation** :

"The ID of the instance to bundle.

*Type: String

*Default: None

*Required: Yes*

**setterMethodName** = "setInstanceId"

**setterModel** :

"variableDeclarationType" = "String",
"variableName" = "instanceId",
"variableType" = "String",
"documentation" = "",
"simpleType" = "String",
"variableSetterType" = "String"

**simple** = true,

**varargSetterDocumentation** :

"The ID of the instance to bundle.

*Type: String

*Default: None

*Required: Yes*

**variable** :

"variableDeclarationType" = "String",
"variableName" = "instanceId"
"variableType" : "String",
"documentation" : "<p>The ID of the instance to bundle.</p> Type: String</p> Default: None</p> Required: Yes</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Storage" : {
"c2jName" : "Storage",
"c2jShape" : "Storage",
"deprecated" : false,
"documentation" : "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStorage",
"getterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>
@return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"getterMethodName" : "getStorage",
"getterModel" : {
"returnType" : "Storage",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Storage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Storage",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Storage",
"setterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error. */
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setStorage",
"setterModel" : {
    "variableDeclarationType" : "Storage",
    "variableName" : "storage",
    "variableType" : "Storage",
    "documentation" : "",
    "simpleType" : "Storage",
    "variableSetterType" : "Storage"
},
"simple" : false,
"varargSetterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error. /p>
@param storage The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "Storage",
    "variableName" : "storage",
    "variableType" : "Storage",
    "documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error. /p>
    "simpleType" : "Storage",
    "variableSetterType" : "Storage"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId", "Storage" ],
"shapeName" : "BundleInstanceRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "BundleInstanceRequest",
    "variableName" : "bundleInstanceRequest"}
"variableType" : "BundleInstanceRequest",
"documentation" : null,
"simpleType" : "BundleInstanceRequest",
"variableSetterType" : "BundleInstanceRequest"
],
"wrapper" : false
},
"BundleInstanceResult" : {
"c2jName" : "BundleInstanceResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of BundleInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "BundleTask",
"c2jShape" : "BundleTask",
"deprecated" : false,
"documentation" : "<p>Information about the bundle task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the bundle task.</p>\n@param bundleTask Information about the bundle task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleTask",
"getterDocumentation" : "/**<p>Information about the bundle task.</p>\n@return Information about the bundle task.*/",
"getterMethodName" : "getBundleTask",
"getterModel" : {
"returnType" : "BundleTask",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BundleInstanceTask",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bundleInstanceTask",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleTask",
"setterDocumentation" : "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBundleTask",
"setterModel" : {
"variableDeclarationType" : "BundleTask",
"variableName" : "bundleTask",
"variableType" : "BundleTask",
"documentation" : "",
"simpleType" : "BundleTask",
"variableSetterType" : "BundleTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the bundle task.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BundleTask",
"variableName" : "bundleTask",
"variableType" : "BundleTask",
"documentation" : "<p>Information about the bundle task.</p>
",
"simpleType" : "BundleTask",
"variableSetterType" : "BundleTask"
},
"xmlNameSpaceUri" : null
]},
"membersAsMap" : {
"BundleTask" : {
"c2jName" : "BundleTask",
"c2jShape" : "BundleTask",
"deprecated" : false,
"documentation" : "<p>Information about the bundle task.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the bundle task.</n@return Returns a reference to this object so that method calls can be chained
together.*\n
"fluentSetterMethodName" : "withBundleTask",
"getterDocumentation" : "\n@\n@return Information about the bundle task.*\n
"getterMethodName" : "getBundleTask",
"getterModel" : {
  "returnType" : "BundleTask",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BundleInstanceTask",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "bundleInstanceTask",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleTask",
"setterDocumentation" : "\n@\n@param bundleTask Information about the bundle task.*\n
"setterMethodName" : "setBundleTask",
"setterModel" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "bundleTask",
  "variableType" : "BundleTask",
  "documentation" : "",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"
},
"simple" : false,
"varargSetterDocumentation" : "\n@\n@param bundleTask Information about the bundle task.*\n
@\n@return Returns a reference to this object so that method calls can be chained together.*\n
"variable" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "bundleTask",
  "variableType" : "BundleTask"
"variableType": "BundleTask",
"documentation": "<p>Information about the bundle task.</p>",
"simpleType": "BundleTask",
"variableSetterType": "BundleTask"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "BundleInstanceResult",
"unmarshaller": {
 "flattened": false,
 "resultWrapper": null
 },
"variable": {
 "variableDeclarationType": "BundleInstanceResult",
 "variableName": "bundleInstanceResult",
 "variableType": "BundleInstanceResult",
 "documentation": null,
 "simpleType": "BundleInstanceResult",
 "variableSetterType": "BundleInstanceResult"
 },
"wrapper": false
},
"BundleTask": {
 "c2jName": "BundleTask",
 "customization": {
 "artificialResultWrapper": null,
 "skipGeneratingMarshaller": false,
 "skipGeneratingModelClass": false,
 "skipGeneratingUnmarshaller": false
 },
 "deprecated": false,
 "documentation": "<p>Describes a bundle task.</p>",
 "enums": null,
 "errorCode": null,
 "hasHeaderMember": false,
 "hasPayloadMember": false,
 "hasStatusCodeMember": false,
 "hasStreamingMember": false,
 "marshaller": null,
 "members": [ {
 "c2jName": "InstanceId",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>The ID of the instance associated with this bundle task.</p>",
"variableType": "BundleTask",
"documentation": "<p>Information about the bundle task.</p>",
"simpleType": "BundleTask",
"variableSetterType": "BundleTask"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "BundleInstanceResult",
"unmarshaller": {
 "flattened": false,
 "resultWrapper": null
 },
"variable": {
 "variableDeclarationType": "BundleInstanceResult",
 "variableName": "bundleInstanceResult",
 "variableType": "BundleInstanceResult",
 "documentation": null,
 "simpleType": "BundleInstanceResult",
 "variableSetterType": "BundleInstanceResult"
 },
"wrapper": false
},
"BundleTask": {
 "c2jName": "BundleTask",
 "customization": {
 "artificialResultWrapper": null,
 "skipGeneratingMarshaller": false,
 "skipGeneratingModelClass": false,
 "skipGeneratingUnmarshaller": false
 },
 "deprecated": false,
 "documentation": "<p>Describes a bundle task.</p>",
 "enums": null,
 "errorCode": null,
 "hasHeaderMember": false,
 "hasPayloadMember": false,
 "hasStatusCodeMember": false,
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"documentation": "<p>Information about the bundle task.</p>",
"simpleType": "BundleTask",
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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 * @return The ID of the instance associated with this bundle task.
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : "BundleTaskState",
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@return The time this task started.*/",
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@returns Returns a reference to this object so that method calls can be chained together.

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method calls can be chained together.*/*

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  "enumType" : null,
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@param storage The Amazon S3 storage locations.<p></param><br>
@return Returns a reference to this object so that method calls can be chained together.*/*",
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@param storage The Amazon S3 storage locations.<p>
@return Returns a reference to this object so that method calls can be chained together.*/*

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@param progress The level of task completion, as a percent (for example, 20%).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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  @param bundleTaskError If the task fails, a description of the error.*/
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  @return If the task fails, a description of the error.*/
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@param bundleTaskError If the task fails, a description of the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "BundleTaskError",
  "documentation" : "<p>If the task fails, a description of the error.</p>
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  "enumType" : "null",
  "fluentSetterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the instance associated with this bundle task.</p>
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"setterDocumentation" : "/**
*p> The ID of the instance associated with this bundle task.

@param

instanceId The ID of the instance associated with this bundle task.

@return Returns a reference to this object so that method calls can be chained together.
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*p> The ID of the instance associated with this bundle task.

@param

instanceId The ID of the instance associated with this bundle task.

@return Returns a reference to this object so that method calls can be chained together.
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"fluentSetterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "progress",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProgress",
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 "variableName" : "progress",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The level of task completion, as a percent (for example, 20%).</p>
@param progress The level of task completion, as a percent (for example, 20%).
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The level of task completion, as a percent (for example, 20%).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"StartTime" : {
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The time this task started.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The time this task started.</p>
@param startTime The time this task started.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStartTime",
    "getterDocumentation" : "/**<p>The time this task started.</p>
@return The time this task started.*/",
    "getterMethodName" : "getStartTime",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
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    "http" : {
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        "greedy" : false,
        "header" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "startTime",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "\r\n\r\n**\nThe time this task started.\n\r\n@param startTime The time this task started.\n**",
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"setterModel" : {
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "\r\n\r\n**\nThe time this task started.\n\r\n@param startTime The time this task started.\n\r\n@return Returns a reference to this object so that method calls can be chained together.\n**",
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  "variableType" : "java.util.Date",
  "documentation" : "The time this task started.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"State" : {
  "c2jName" : "State",
  "c2jShape" : "BundleTaskState",
  "deprecated" : false,
  "documentation" : "The state of the task.

**\n\r\n@see BundleTaskState\n**",
  "fluentSetterDocumentation" : "\r\n\r\n**\nThe state of the task.\n\r\n@see BundleTaskState\n**",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "\r\n\r\n**\nThe state of the task.\n\r\n@see BundleTaskState\n**",
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  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "greedy" : false,
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"list": false,
"listModel": null,
"map": false,
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"setterDocumentation": "/**\n<p>The state of the task.</p>\n@param state The state of the task.
@see BundleTaskState*/",
"setterMethodName": "setState",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**\n<p>The state of the task.</p>\n@param state The state of the task.
@return Returns a reference to this object so that method calls can be chained together.
@see BundleTaskState*/",
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  "variableType": "String",
  "documentation": "<p>The state of the task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"Storage": {
  "c2jName": "Storage",
  "c2jShape": "Storage",
  "deprecated": false,
  "documentation": "<p>The Amazon S3 storage locations.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The Amazon S3 storage locations.</p>\n@param storage The Amazon S3 storage locations.
@return Returns a reference to this object so that method calls can be chained together.
*/"
"fluentSetterMethodName": "withStorage",
"getterDocumentation": "/**<p>The Amazon S3 storage locations.</p>
@return The Amazon S3 storage locations.*/",
"getterMethodName": "getStorage",
"getterModel": {
  "returnType": "Storage",
  "documentation": null
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"http": {
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "storage",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Storage",
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@param storage The Amazon S3 storage locations.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setStorage",
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  "documentation": "",
  "simpleType": "Storage",
  "variableSetterType": "Storage"
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"simple": false,
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@param storage The Amazon S3 storage locations.
@return Return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName": "storage",
  "variableType": "Storage",
  "documentation": "<p>The Amazon S3 storage locations.</p>",
  "documentation": "<p>The Amazon S3 storage locations.</p>"},
"simpleType" : "Storage",
"variableSetterType" : "Storage"
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"xmlNameSpaceUri" : null
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"c2jName" : "UpdateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time of the most recent update for the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The time of the most recent update for the task.</p>\n@return Returns a reference to this object so that method calls can be chained together."/",
"fluentSetterMethodName" : "withUpdateTime",
"getterDocumentation" : "<p>The time of the most recent update for the task.</p>\n@return The time of the most recent update for the task."/",
"getterMethodName" : "getUpdateTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UpdateTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "updateTime",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateTime",
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"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The time of the most recent update for the task.</p>@param
updateTime The time of the most recent update for the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The time of the most recent update for the task.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"required" : null,
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"unmarshaller" : {
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"variableName" : "bundleTask",
"variableType" : "BundleTask",
"documentation" : null,
"simpleType" : "BundleTask",
"variableSetterType" : "BundleTask"
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"wrapper" : false
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"BundleTaskError" : {
"c2jName" : "BundleTaskError",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation": "<p>Describes an error for <a>BundleInstance</a>.</p>";
"enums": null,
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"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The error code.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCode",
"getterDocumentation": "/**<p>The error code.</p>
@return The error code.</p>
\n@returns The error code.
\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getCode",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "code",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Code",
"setterDocumentation": "/**<p>The error code.</p>
@param code The error code.
\n\n\n@returns The error code.
\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": null
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"variableName": "code",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The error code.</p>\n@param code The error code.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "code",
"variableType": "String",
"documentation": "<p>The error code.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "Message",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The error message.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The error message.</p>\n@param message The error message.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMessage",
"getterDocumentation": "/**\n<p>The error message.</p>\n@return The error message.*/",
"getterMethodName": "getMessage",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "message",
"uri": false
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The error message.</p>
@param message The error message.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
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  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The error message.</p>
@param message The error message.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>The error message.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
  "Code" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The error code.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "/**<p>The error code.</p>
@return The error code.*/",
    "getterMethodName" : "getCode",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "code",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**
<p>The error code.</p>
@param code The error code.*/
"setterMethodName" : "setCode",
"setterModel" : {
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    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*
<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.*/
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    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "<p>The error code.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Message" : {
    "c2jName" : "Message",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The error message.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*
<p>The error message.</p>
@param message The error message.*/

message

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>The error message.</p>
@return The error message.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Message",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "message",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The error message.</p>
@param message The error message.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
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    "variableName" : "message",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The error message.</p>
@param message The error message.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "message",
    "variableType" : "String",
    "documentation" : "<p>The error message.</p>",
    "simpleType" : "String"
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "BundleTaskError",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "BundleTaskError",
  "variableName" : "bundleTaskError",
  "variableType" : "BundleTaskError",
  "documentation" : null,
  "simpleType" : "BundleTaskError",
  "variableSetterType" : "BundleTaskError"
},
"wrapper" : false
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"BundleTaskState" : {
  "c2jName" : "BundleTaskState",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [
    { "name" : "Pending",
      "value" : "pending"
    },
    { "name" : "WaitingForShutdown",
      "value" : "waiting-for-shutdown"
    },
    { "name" : "Bundling",
      "value" : "bundling"
    },
    { "name" : "Storing",
      "value" : "storing"
    },
    { "name" : "Cancelling",
      "value" : "cancelling"}]}
"name" : "Complete",
"value" : "complete"
},

"name" : "Failed",
"value" : "failed"
]
,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "BundleTaskState",
"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "bundleTaskState",
  "variableType" : "BundleTaskState",
  "documentation" : null,
  "simpleType" : "BundleTaskState",
  "variableSetterType" : "BundleTaskState"
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"wrapper" : false
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"CancelBatchErrorCode" : {
  "c2jName" : "CancelBatchErrorCode",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
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    "value" : "fleetRequestIdDoesNotExist"
  },
  {
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    "value" : "fleetRequestIdMalformed"
  },
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"value": "fleetRequestIdMalformed",
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"name": "FleetRequestNotInCancellableState",
"value": "fleetRequestNotInCancellableState"
}, {
"name": "UnexpectedError",
"value": "unexpectedError"
}
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CancelBatchErrorCode",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CancelBatchErrorCode",
  "variableName": "cancelBatchErrorCode",
  "variableType": "CancelBatchErrorCode",
  "documentation": null,
  "simpleType": "CancelBatchErrorCode",
  "variableSetterType": "CancelBatchErrorCode"
},
"wrapper": false
},
"CancelBundleTaskRequest": {
  "c2jName": "CancelBundleTaskRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CancelBundleTask.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "BundleId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the bundle task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withBundleId",
  "getterDocumentation" : "/**<p>The ID of the bundle task.</p>
@return The ID of the bundle task.*"",
  "getterMethodName" : "getBundleId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BundleId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "BundleId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "BundleId",
  "setterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.*"",
  "setterMethodName" : "setBundleId",
  "setterModel" : {
    "returnType" : "BundleId",
    "documentation" : null
  },
  "streamingHttp" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BundleId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "BundleId",
    "uri" : false
  },
  "streamingHttpLocationName" : "BundleId",
  "streamingHttpVerb" : "GET",
  "streamingHttpLocation" : null,
  "streamingHttpQuery" : null,
  "streamingPayload" : null,
  "streamingHttpAction" : null
}
}
"setterMethodName" : "setBundleId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "bundleId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the bundle task.</p> @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bundleId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the bundle task.</p>

  @return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "BundleId" : {
    "c2jName" : "BundleId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the bundle task.</p>

  @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterDocumentation" : "/** <p>The ID of the bundle task.</p> @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withBundleId",
    "getterDocumentation" : "/** <p>The ID of the bundle task.</p> @return The ID of the bundle task. */",
    "getterMethodName" : "getBundleId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BundleId",
      "resourcePath" : "BundleId",
      "type" : "uri",
      "uri" : "BundleId"
    },
    "type" : "string"
  },
  "responsePrefixPath" : "BundleId",
  "responseUnmarshallerContextType" : "BundleId",
  "responseWrapperContextType" : "BundleId"
},
"xmlNameSpaceUri" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BundleId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleId",
"setterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.</p>
@returns A reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBundleId",
"setterModel" : {
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  "variableName" : "bundleId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the bundle task.</p>
@param bundleId The ID of the bundle task.</p>
@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bundleId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the bundle task.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "BundleId" ],
"shapeName" : "CancelBundleTaskRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CancelBundleTaskRequest",
  "variableName" : "cancelBundleTaskRequest",
  "variableType" : "CancelBundleTaskRequest",
  "documentation" : null,
  "simpleType" : "CancelBundleTaskRequest",
  "variableSetterType" : "CancelBundleTaskRequest"
"CancelBundleTaskResult" : {
  "c2jName" : "CancelBundleTaskResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CancelBundleTask.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    { "c2jName" : "BundleTask",
      "c2jShape" : "BundleTask",
      "deprecated" : false,
      "documentation" : "<p>Information about the bundle task.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the bundle task.</p>
@param bundleTask
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withBundleTask",
      "getterDocumentation" : "/**<p>Information about the bundle task.</p>
@return Information about the bundle task.*/",
      "getterMethodName" : "getBundleTask",
      "getterModel" : {
        "returnType" : "BundleTask",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "BundleInstanceTask",
        "queryString" : false,
      },
      },
    }
  ]
}
"statusCode": false,
"unmarshallLocationName": "bundleInstanceTask",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "BundleTask",
"setterDocumentation": "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.*/
@returns Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodname": "setBundleTask",
"setterModel": {
"variableDeclarationType": "BundleTask",
"variableName": "bundleTask",
"variableType": "BundleTask",
"documentation": "",
"simpleType": "BundleTask",
"variableSetterType": "BundleTask"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "BundleTask",
"variableName": "bundleTask",
"variableType": "BundleTask",
"documentation": "<p>Information about the bundle task.</p>",
"simpleType": "BundleTask",
"variableSetterType": "BundleTask"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
"BundleTask": {
"c2jName": "BundleTask",
"c2jShape": "BundleTask",
"deprecated": false,
"documentation": "<p>Information about the bundle task.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withBundleTask",
"getterDocumentation": "/**<p>Information about the bundle task.</p>
@returns Information about the bundle task.
*/
"}"}}
"getterMethodName" : "getBundleTask",
"getterModel" : {
   "returnType" : "BundleTask",
   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "BundleInstanceTask",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "bundleInstanceTask",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BundleTask",
"setterDocumentation" : "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.*/",
"setterMethodName" : "setBundleTask",
"setterModel" : {
   "variableDeclarationType" : "BundleTask",
   "variableName" : "bundleTask",
   "variableType" : "BundleTask",
   "documentation" : "",
   "simpleType" : "BundleTask",
   "variableSetterType" : "BundleTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the bundle task.</p>
@param bundleTask Information about the bundle task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "BundleTask",
   "variableName" : "bundleTask",
   "variableType" : "BundleTask",
   "documentation" : "<p>Information about the bundle task.</p>",
   "simpleType" : "BundleTask",
   "variableSetterType" : "BundleTask"
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CancelBundleTaskResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CancelBundleTaskResult",
  "variableName" : "cancelBundleTaskResult",
  "variableType" : "CancelBundleTaskResult",
  "documentation" : null,
  "simpleType" : "CancelBundleTaskResult",
  "variableSetterType" : "CancelBundleTaskResult"
},
"wrapper" : false
},
"CancelConversionTaskRequest" : {
  "c2jName" : "CancelConversionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelConversionTask.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CancelConversionTask",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ConversionTaskId",
    "xmlNameSpaceUri" : null
  }],
  "required" : null,
  "shapeName" : "CancelConversionRequest",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "CancelConversionRequest",
    "variableName" : "cancelConversionRequest",
    "variableType" : "CancelConversionRequest",
    "documentation" : null,
    "simpleType" : "CancelConversionRequest",
    "variableSetterType" : "CancelConversionRequest"
  },
  "wrapper" : false
}
]
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the conversion task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the conversion task.</p>\n*\n*/
@\n@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withConversionTaskId",
"getterDocumentation" : "/**<p>The ID of the conversion task.</p>\n*\n@return The ID of the conversion task.*/
"getterMethodName" : "getConversionTaskId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ConversionTaskId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "conversionTaskId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskId",
"setterDocumentation" : "/**<p>The ID of the conversion task.</p>\n*\n@\n@param conversionTaskId The ID of the conversion task.*/
"setterMethodName" : "setConversionTaskId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "conversionTaskId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the conversion task.</p>\n*\n@\n@param conversionTaskId The ID
of the conversion task.

```java
@Override
public void cancelConversionTask(String conversionTaskId) {
    // Implementation
}
```

```
/**
 * The reason for canceling the conversion task.
 *
 * @param reasonMessage The reason for canceling the conversion task.
 * @return The reason for canceling the conversion task.
 */
public String getReasonMessage(String reasonMessage) {
    return reasonMessage;
}
```

```
/**
 * The reason for canceling the conversion task.
 *
 * @param reasonMessage The reason for canceling the conversion task.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
public ReasonMessage withReasonMessage(String reasonMessage) {
    this.reasonMessage = reasonMessage;
    return this;
}
```
"setterDocumentation" : "/**<p>The reason for canceling the conversion task.</p>@param reasonMessage The reason for canceling the conversion task.</param>
@return Returns a reference to this object so that method calls can be chained together."*/
"setterMethodName" : "setReasonMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reasonMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for canceling the conversion task.</p>
@param reasonMessage The reason for canceling the conversion task.</param>
@return Returns a reference to this object so that method calls can be chained together."*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reasonMessage",
  "variableType" : "String",
  "documentation" : "<p>The reason for canceling the conversion task.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "ConversionTaskId" : {
    "c2jName" : "ConversionTaskId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the conversion task.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the conversion task.</p>
    @param conversionTaskId The ID of the conversion task.
    @return Returns a reference to this object so that method calls can be chained together."*/
    "fluentSetterMethodName" : "withConversionTaskId",
    "getterDocumentation" : "/**<p>The ID of the conversion task.</p>
    @return The ID of the conversion task.</param>
    "getterMethodName" : "getConversionTaskId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskId",
"setterDocumentation" : "/**\n * The ID of the conversion task.
 */
@param conversionTaskId The ID of the conversion task.
*/", 
"setterMethodName" : "setConversionTaskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "conversionTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the conversion task.
 */
@param conversionTaskId The ID of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.
*/", 
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "conversionTaskId",
  "variableType" : "String",
  "documentation" : "The ID of the conversion task.
 */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReasonMessage" : {
  "c2jName" : "ReasonMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The reason for canceling the conversion task.
 */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The reason for canceling the conversion task.
 */
@param reasonMessage The reason for canceling the conversion task.
@return Returns a reference to this object so that
method calls can be chained together.

"fluentSetterMethodName" : "withReasonMessage",
"getterDocumentation" : "/**<p>The reason for canceling the conversion task.

@return The reason for canceling the conversion task.</p>*/",
"getterMethodName" : "getReasonMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReasonMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reasonMessage",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReasonMessage",
"setterDocumentation" : "/**<p>The reason for canceling the conversion task.</p>

@param reasonMessage The reason for canceling the conversion task.</p>*/

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reasonMessage",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for canceling the conversion task.</p>

@returns The reason for canceling the conversion task.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reasonMessage",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}"
"variableType" : "String",
"documentation" : "<p>The reason for canceling the conversion task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
xmNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ConversionTaskId" ],
"shapeName" : "CancelConversionTaskRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CancelConversionTaskRequest",
"variableName" : "cancelConversionTaskRequest",
"variableType" : "CancelConversionTaskRequest",
"documentation" : null,
"simpleType" : "CancelConversionTaskRequest",
"variableSetterType" : "CancelConversionTaskRequest"
},
"wrapper" : false
},
"CancelConversionTaskResult" : {
"c2jName" : "CancelConversionTaskResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelConversionTaskResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null,
],
"variable" : {
  "variableDeclarationType" : "CancelConversionTaskResult",
  "variableName" : "cancelConversionTaskResult",
  "variableType" : "CancelConversionTaskResult",
  "documentation" : null,
  "simpleType" : "CancelConversionTaskResult",
  "variableSetterType" : "CancelConversionTaskResult"
},
"wrapper" : false
],
"CancelExportTaskRequest" : {
  "c2jName" : "CancelExportTaskRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelExportTask.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CancelExportTask",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "ExportTaskId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the export task. This is the ID returned by
<code>CreateInstanceExportTask</code>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the export task. This is the ID returned by
<code>CreateInstanceExportTask</code>. */
@param exportTaskId The ID of the export task. This is the ID returned by
<code>CreateInstanceExportTask</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withExportTaskId",
"resultWrapper" : null,
],
"variable" : {
  "variableDeclarationType" : "CancelConversionTaskResult",
  "variableName" : "cancelConversionTaskResult",
  "variableType" : "CancelConversionTaskResult",
  "documentation" : null,
  "simpleType" : "CancelConversionTaskResult",
  "variableSetterType" : "CancelConversionTaskResult"
},
"wrapper" : false
],
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    "skipGeneratingUnmarshaller" : false
  },
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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The ID of the export task. This is the ID returned by
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  "variableSetterType": "CancelExportTaskRequest"
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  "skipGeneratingUnmarshaller" : false
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"requestSignerClassFqcn" : null,
"required" : null,
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  "resultWrapper" : null
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  "variableType" : "CancelExportTaskResult",
  "documentation" : null,
  "simpleType" : "CancelExportTaskResult",
  "variableSetterType" : "CancelExportTaskResult"
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},
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  "skipGeneratingUnmarshaller" : false
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"hasStatusCodeMember" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "uri" : false
  },
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  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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**The reason for canceling the task.**

- **param cancelReason The reason for canceling the task.**
  
- **return** Returns a reference to this object so that method calls can be chained together.

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- **return** Returns a reference to this object so that method calls can be chained together.

**The reason for canceling the task.**

- **param cancelReason The reason for canceling the task.**
  
- **return** Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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  "variableSetterType" : "CancelImportTaskRequest"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the task being canceled.*/",
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  "header" : false,
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  "isStreaming" : false,
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  "unmarshallLocationName" : "importTaskId",
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@param importTaskId The ID of the task being canceled.*/"}
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n The ID of the task being canceled.
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 @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The ID of the task being canceled.\n The ID of the task being canceled.\n @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"c2jName" : "State",
"c2jShape" : "String",
"deprecated" : false,
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"enumType" : null,
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"getterDocumentation" : "/**\n The current state of the task being canceled.\n @return The current state of the task being canceled.\n @return Returns a reference to this object so that method calls can be chained together.*/",
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  "isStreaming" : false,
"setterDocumentation" : "/**<p>The current state of the task being canceled.</p>
@param state The current state of the task being canceled.*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The current state of the task being canceled.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the task being canceled.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PreviousState",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The current state of the task being canceled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The current state of the task being canceled.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPreviousState",
"getterDocumentation" : "/*<p>The current state of the task being canceled.</p>
@return The current state of the task being canceled.*/"
the task being canceled.

- **getterMethodName**: "getPreviousState"
- **getterModel**: {
  - **returnType**: "String"
  - **documentation**: null
}
- **http**: {
  - **additionalMarshallingPath**: null
  - **additionalUnmarshallingPath**: null
  - **flattened**: false
  - **greedy**: false
  - **header**: false
  - **isPayload**: false
  - **isStreaming**: false
  - **location**: null
  - **marshallLocationName**: "PreviousState"
  - **queryString**: false
  - **statusCode**: false
  - **unmarshallLocationName**: "previousState"
  - **uri**: false
}
- **idempotencyToken**: false
- **list**: false
- **listModel**: null
- **map**: false
- **mapModel**: null
- **name**: "PreviousState"
- **setterDocumentation**: "/**<p>The current state of the task being canceled.</p>
@param previousState The current state of the task being canceled.*/",
- **setterMethodName**: "setPreviousState"
- **setterModel**: {
  - **variableDeclarationType**: "String"
  - **variableName**: "previousState"
  - **variableType**: "String"
  - **documentation**: "",
  - **simpleType**: "String"
  - **variableSetterType**: "String"
}
- **simple**: true
- **varargSetterDocumentation**: "/**<p>The current state of the task being canceled.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
- **variable**: {
  - **variableDeclarationType**: "String"
  - **variableName**: "previousState"
  - **variableType**: "String"
  - **documentation**: "",
  - **simpleType**: "String"
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], "xmlnsSpaceUri" : null
] ],
"membersAsMap" : {
  "ImportTaskId" : {
"c2jName" : "ImportTaskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the task being canceled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the task being canceled.</p>
@param importTaskId The ID of the task being canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskId",
"getterDocumentation" : "/**<p>The ID of the task being canceled.</p>
@return The ID of the task being canceled.*/",
"getterMethodName" : "getImportTaskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallILocationName" : "ImportTaskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallILocationName" : "importTaskId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the task being canceled.</p>
@param importTaskId The ID of the task being canceled.
*/",
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"setterModel" : {
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"simpleType": "String",
"variableSetterType": "String"},
"simple": true,
"varargSetterDocumentation": "The ID of the task being canceled.
@returns Returns a reference to this object so that method calls can be chained together.
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"documentation": "The ID of the task being canceled.",
"simpleType": "String",
"variableSetterType": "String"
},
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},
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"c2jShape": "String",
"deprecated": false,
"documentation": "The current state of the task being canceled.
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterDocumentation": "The current state of the task being canceled.
@returns Returns a reference to this object so that method calls can be chained together.
",
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"getterDocumentation": "The current state of the task being canceled.
@returns The current state of the task being canceled.
",
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"getterModel": {
"returnType": "String",
"documentation": null
},
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "previousState",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PreviousState",
"setterDocumentation" : "/**
\* The current state of the task being canceled.
\* @param previousState The current state of the task being canceled.
\*/",
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    "variableName" : "previousState",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\* The current state of the task being canceled.
\* @param previousState The current state of the task being canceled.
\* @return Returns a reference to this object so that method calls can be chained together.
*/",
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    "variableName" : "previousState",
    "variableType" : "String",
    "documentation" : "The current state of the task being canceled.
\*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"State" : {
    "c2jName" : "State",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The current state of the task being canceled.
\*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\* The current state of the task being canceled.
\* @param state The current state of the task being canceled.
\* @return Returns a reference to this object so that method calls can be chained together.
*/",
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    "getterDocumentation" : "/**
\* The current state of the task being canceled.
\* @return The current state of the task being canceled.
\*/",
    "getMethodName" : "getState",
    "variable" : {
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        "variableName" : "state",
        "variableType" : "String",
        "documentation" : "The current state of the task being canceled.
\*/",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}
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  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the task being canceled.</p>
@param state The current
state of the task being canceled.*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "*/\n\n@param state The current
state of the task being canceled.\n@return Returns a reference to this object so that method calls can be
chained together.*\n",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The current state of the task being canceled.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "*/\n\n@param state The current
state of the task being canceled.\n@return Returns a reference to this object so that method calls can be
chained together.*\n",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the task being canceled.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/\n\n@param state The current
state of the task being canceled.\n@return Returns a reference to this object so that method calls can be
chained together.*\n"}
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelImportTaskResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CancelImportTaskResult",
  "variableName" : "cancelImportTaskResult",
  "variableType" : "CancelImportTaskResult",
  "documentation" : null,
  "simpleType" : "CancelImportTaskResult",
  "variableSetterType" : "CancelImportTaskResult"
},
"wrapper" : false
},
"CancelReservedInstancesListingRequest" : {
  "c2jName" : "CancelReservedInstancesListingRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelReservedInstancesListing.</p> ",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ReservedInstancesListingId",
    "c2jShape" : "String",
    "c2jType" : "String",
    "documentation" : "The IDs of the Reserved Instance Listings to cancel.
    A comma-separated list of Reserved Instance Listing IDs is valid.
    If a member is not present, all members are considered.
    If a member is present but not present, the request will fail.
    Only one Reserved Instance Listing ID can be specified for a single request.
    The reserved instances will be marked as cancelled.
    You can only cancel all or some of the Reserved Instances for an instance type.
    You cannot cancel Reserved Instances for instance types that have been released.
    Reserved Instances are automatically released after the cancellation.
    Reserved Instance Listings that are not associated with a Release Reserved Instance Request are not available for cancellation.
    The system will automatically release Reserved Instances when they are cancelled.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You can only cancel Reserved Instances that are associated with a specific availability zone.
    You cannot cancel Reserved Instances that are associated with multiple availability zones.
    You cannot cancel Reserved Instances that are associated with a specific instance type.
    You cannot cancel Reserved Instances that are associated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are associated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are associated with a specific instance type.
    You cannot cancel Reserved Instances that are associated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance group.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are asociated with a specific instance type.
    Reserved Instances with the same instance type and availability zone can be cancelled together.
    You cannot cancel Reserved Instances that are associ
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withReservedInstancesListingId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@return The ID of the Reserved Instance listing.*"/",
"getterMethodName" : "getReservedInstancesListingId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesListingId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.*"/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.*"/"
reservedInstancesListingId The ID of the Reserved Instance listing.

@return Returns a reference to this object so that method calls can be chained together.

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    "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
    "ReservedInstancesListingId" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.</p>\n@return The ID of the Reserved Instance listing.*/",
        "fluentSetterMethodName" : "withReservedInstancesListingId",
        "getterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@return The ID of the Reserved Instance listing.*/",
        "getterMethodName" : "getReservedInstancesListingId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
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            "marshallLocationName" : "ReservedInstancesListingId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "reservedInstancesListingId",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ReservedInstancesListingId" ],
"shapeName" : "CancelReservedInstancesListingRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CancelReservedInstancesListingRequest",
  "variableName" : "cancelReservedInstancesListingRequest",
  "variableType" : "CancelReservedInstancesListingRequest",
  "documentation" : null,
  "simpleType" : "CancelReservedInstancesListingRequest",
  "variableSetterType" : "CancelReservedInstancesListingRequest"
},
"wrapper" : false
},
"CancelReservedInstancesListingResult" : {
  "c2jName" : "CancelReservedInstancesListingResult",
  "customization" : {
    "artificialResultWrapper" : null,
  }
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CancelReservedInstancesListing.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "ReservedInstancesListings",
"c2jShape" : "ReservedInstancesListingList",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings
The Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListings",
"getterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@return The Reserved Instance listing.
*/",
"getterMethodName" : "getReservedInstancesListings",
"getterModel" : { 
"returnType" : "java.util.List<ReservedInstancesListing>",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
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"queryString" : false,
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"unmarshallLocationName" : "reservedInstancesListingsSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "ReservedInstancesListing",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "ReservedInstancesListing",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "ReservedInstancesListing",
    "documentation": "",
    "simpleType": "ReservedInstancesListing",
    "variableSetterType": "ReservedInstancesListing"
  }
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
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   * @param member */",
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"setterModel": {
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  "variableName": "member",
  "variableType": "ReservedInstancesListing",
  "documentation": "",
  "simpleType": "ReservedInstancesListing",
  "variableSetterType": "ReservedInstancesListing"
}.

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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>",
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**<p>The Reserved Instance listing.</p>
@param reservedInstancesListings The
Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Reserved Instance listing.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or
 {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing
values.*/

@param reservedInstancesListings The Reserved Instance listing.
@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
}
"variableType" : "java.util.List<ReservedInstancesListing>",
"documentation" : "<p>The Reserved Instance listing.</p>",
"simpleType" : "List<ReservedInstancesListing>",
"variableSetterType" : "java.util.Collection<ReservedInstancesListing>">
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "ReservedInstancesListings" : {
    "c2jName" : "ReservedInstancesListings",
    "c2jShape" : "ReservedInstancesListingList",
    "deprecated" : false,
    "documentation" : "<p>The Reserved Instance listing.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * The Reserved Instance listing.
     * @param reservedInstancesListings
     * The Reserved Instance listing.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesListings",
    "getterDocumentation" : "/**
     * The Reserved Instance listing.
     * @return The Reserved Instance listing.
     */",
    "getterMethodName" : "getReservedInstancesListings",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstancesListing>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesListingsSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesListingsSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "ReservedInstancesListing",
        "xmlNameSpaceUri" : null
      },
      "variableType" : "java.util.List<ReservedInstancesListing>",
      "documentation" : "<p>The Reserved Instance listing.</p>",
      "simpleType" : "List<ReservedInstancesListing>",
      "variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "ReservedInstancesListing",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "statusCode": false,
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"mapModel": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstancesListing",
  "variableName": "member",
  "variableType": "ReservedInstancesListing",
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  "simpleType": "ReservedInstancesListing",
  "variableSetterType": "ReservedInstancesListing"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ReservedInstancesListing"
"variableName": "member",
"variableType": "ReservedInstancesListing",
"documentation": "",
"simpleType": "ReservedInstancesListing",
"variableSetterType": "ReservedInstancesListing"
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"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstancesListing",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstancesListing",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType": "java.util.List<ReservedInstancesListing>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstancesListings",
"setterDocumentation": "/**\n@param reservedInstancesListings The Reserved Instance listing.\n*/",
"setterMethodName": "setReservedInstancesListings",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
 "variableName": "reservedInstancesListings",
 "variableType": "java.util.List<ReservedInstancesListing>",
 "documentation": "",
 "simpleType": "List<ReservedInstancesListing>",
 "variableSetterType": "java.util.Collection<ReservedInstancesListing>"
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"simple": false,
"varargSetterDocumentation": "/**\n@param reservedInstancesListings The Reserved Instance listing.\n\n*/",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
 "variableName": "reservedInstancesListings",
 "variableType": "java.util.List<ReservedInstancesListing>",
 "documentation": "",
 "simpleType": "List<ReservedInstancesListing>",
 "variableSetterType": "java.util.Collection<ReservedInstancesListing>"
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"sendEmptyQueryString": false,
"simple": false,
"varargSetterDocumentation": "/**\n@param reservedInstancesListings The Reserved Instance listing.\n\n*/
*/
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CancelReservedInstancesListingResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "CancelReservedInstancesListingResult",
  "variableName" : "cancelReservedInstancesListingResult",
  "variableType" : "CancelReservedInstancesListingResult",
  "documentation" : null,
  "simpleType" : "CancelReservedInstancesListingResult",
  "variableSetterType" : "CancelReservedInstancesListingResult"
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"wrapper" : false
},
"CancelSpotFleetRequestsError" : {
  "c2jName" : "CancelSpotFleetRequestsError",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot fleet error.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "c2jName" : "Code",
      "c2jShape" : "CancelBatchErrorCode",
      "deprecated" : false,
      "documentation" : "<p>The error code.</p>",
      "enumType" : "CancelBatchErrorCode",
      "fluentSetterDocumentation" : "/**<p>The error code.</p>*/
@return Returns a reference to this object so that method calls can be chained together.*/
@see CancelBatchErrorCode*/",
      "fluentSetterMethodName" : "withCode",
      "getterDocumentation" : "/**<p>The error code.</p>*/
@return The error code.*/
@see
CancelBatchErrorCode*/", 
  "getterMethodName" : "getCode",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Code",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "code",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Code",
  "setterDocumentation" : "/**\n   * The error code.
   * @param code The error code.
   * @see CancelBatchErrorCode*/",
  "setterMethodName" : "setCode",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * The error code.
   * @param code The error code.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see CancelBatchErrorCode*/", 
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "<p>The error code.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The description for the error code.</p>
@param message The description for the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "message",
"variableType" : "String",
"documentation" : "<p>The description for the error code.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Code" : {
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"c2jShape" : "CancelBatchErrorCode",
"deprecated" : false,
"documentation" : "<p>The error code.</p>",
"enumType" : "CancelBatchErrorCode",
"fluentSetterDocumentation" : "/**\n<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.
@see CancelBatchErrorCode*/",
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "/**<p>The error code.</p>
@return The error code.
@see CancelBatchErrorCode*/",
"getterMethodName" : "getCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false


"setterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@see CancelBatchErrorCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.@see CancelBatchErrorCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
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  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@see CancelBatchErrorCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
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  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.@see CancelBatchErrorCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@see CancelBatchErrorCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The error code.</p>
@param code The error code.
@return Returns a reference to this object so that method calls can be chained together.@see CancelBatchErrorCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Message",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "message",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The description for the error code.</p>
@param message The description for the error code.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "message",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description for the error code.</p>
@param message The description for the error code.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "message",
    "variableType" : "String",
    "documentation" : "<p>The description for the error code.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Code", "Message" ],
"shapeName" : "CancelSpotFleetRequestsError",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CancelSpotFleetRequestsError",
  "variableName" : "cancelSpotFleetRequestsError",
  "variableType" : "CancelSpotFleetRequestsError",
  "documentation" : null,
  "simpleType" : "CancelSpotFleetRequestsError",
  "variableSetterType" : "CancelSpotFleetRequestsError"
},
"wrapper" : false,
"CancelSpotFleetRequestsErrorItem" : {
  "c2jName" : "CancelSpotFleetRequestsErrorItem",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot fleet request that was not successfully canceled.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "SpotFleetRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The ID of the Spot fleet request.</p>\n*\n* @param spotFleetRequestId The ID of the Spot fleet request.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotFleetRequestId",
    "getterDocumentation" : "/** <p>The ID of the Spot fleet request.</p>\n*\n* @return The ID of the Spot fleet request.\n* */",
    "getterMethodName" : "getSpotFleetRequestId",
    "getterModel" : {


"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
 "variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsSpaceUri" : null
"c2jName" : "Error",
"c2jShape" : "CancelSpotFleetRequestsError",
"deprecated" : false,
"documentation" : "&lt;p&gt;The error.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p&gt;The error.&lt;/p&gt;&lt;n&gt;param error The error.&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withError",
"getterDocumentation" : "/**<p&gt;The error.&lt;/p&gt;&lt;n&gt;return The error.*/&n
"getterMethodName" : "getError",
"getterModel" : {
"returnType" : "CancelSpotFleetRequestsError",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Error",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "error",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Error",
"setterDocumentation" : "/**<p&gt;The error.&lt;/p&gt;&lt;n&gt;param error The error.*/&n
"setterMethodName" : "setError",
"setterModel" : {
"variableDeclarationType" : "CancelSpotFleetRequestsError",
"variableName" : "error",
"variableType" : "CancelSpotFleetRequestsError",
"documentation" : "",
"simpleType" : "CancelSpotFleetRequestsError",
"variableSetterType" : "CancelSpotFleetRequestsError"
},

"simple" : false,
"varargSetterDocumentation" : "/**<p&gt;The error.&lt;/p&gt;&lt;n&gt;param error The error.&lt;n&gt;@return Returns a reference
to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CancelSpotFleetRequestsError",
  "variableName" : "error",
  "variableType" : "CancelSpotFleetRequestsError",
  "documentation" : "<p>The error.</p>",
  "simpleType" : "CancelSpotFleetRequestsError",
  "variableSetterType" : "CancelSpotFleetRequestsError"
},
"xmlNameSpaceUri" : null
}
,"membersAsMap" : {
  "Error" : {
    "c2jName" : "Error",
    "c2jShape" : "CancelSpotFleetRequestsError",
    "deprecated" : false,
    "documentation" : "<p>The error.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@param error The error.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withError",
  "getterDocumentation" : "/**\n\n@return The error.*/",
"getterMethodName" : "getError",
  "getterModel" : {
    "returnType" : "CancelSpotFleetRequestsError",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Error",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "error",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Error"
"setterDocumentation" : "/**<p>The error.</p>
@param error The error.*/",
"setterMethodName" : "setError",
"setterModel" : {
  "variableDeclarationType" : "CancelSpotFleetRequestsError",
  "variableName" : "error",
  "variableType" : "CancelSpotFleetRequestsError",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsError",
  "variableSetterType" : "CancelSpotFleetRequestsError"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The error.</p>
@param error The error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CancelSpotFleetRequestsError",
  "variableName" : "error",
  "variableType" : "CancelSpotFleetRequestsError",
  "documentation" : "<p>The error.</p>
",
  "simpleType" : "CancelSpotFleetRequestsError",
  "variableSetterType" : "CancelSpotFleetRequestsError"
},
"xmlNameSpaceUri" : null
},

"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",
  "getterMethodName" : "getSpotFleetRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.</p><@param spotFleetRequestId The ID of the Spot fleet request.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "SpotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "SpotFleetRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot fleet request.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "Error" ],
"shapeName" : "CancelSpotFleetRequestsErrorItem",
"unmarshall" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "SpotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"variableDeclarationType" : "CancelSpotFleetRequestsErrorItem",
"variableName" : "cancelSpotFleetRequestsErrorItem",
"variableType" : "CancelSpotFleetRequestsErrorItem",
"documentation" : null,
"simpleType" : "CancelSpotFleetRequestsErrorItem",
"variableSetterType" : "CancelSpotFleetRequestsErrorItem"
},
"wrapper" : false
},
"CancelSpotFleetRequestsRequest" : {
"c2jName" : "CancelSpotFleetRequestsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CancelSpotFleetRequests",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds
@<p>The IDs of the Spot fleet requests.</p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests.
*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*
     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds"
The IDs of the Spot fleet requests.

- `param spotFleetRequestIds` The IDs of the Spot fleet requests.

- `setterMethodName` : "setSpotFleetRequestIds",
- `setterModel` : {
  - "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  - "variableName" : "spotFleetRequestIds",
  - "variableType" : "java.util.List<String>",
  - "documentation" : "",
  - "simpleType" : "List<String>",
  - "variableSetterType" : "java.util.Collection<String>"
},
- "simple" : false,
- "varargSetterDocumentation" : "/**\n<p>The IDs of the Spot fleet requests.</p>

- `param spotFleetRequestIds` The IDs of the Spot fleet requests.

- `NOTE:`

  This method appends the values to the existing list (if any). Use { @link #setSpotFleetRequestIds(java.util.Collection)} or { @link #withSpotFleetRequestIds(java.util.Collection)} if you want to override the existing values.

- `@return` Returns a reference to this object so that method calls can be chained together.

- `variable` : {
  - "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  - "variableName" : "spotFleetRequestIds",
  - "variableType" : "java.util.List<String>",
  - "documentation" : "<p>The IDs of the Spot fleet requests.</p>
  - "simpleType" : "List<String>",
  - "variableSetterType" : "java.util.Collection<String>"
},
- "xmlNameSpaceUri" : null,
- "c2jName" : "TerminateInstances",
- "c2jShape" : "Boolean",
- "deprecated" : false,
- "documentation" : "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
- "enumType" : null,
- "fluentSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>\n@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.\n@return Returns a reference to this object so that method calls can be chained together.*/",
- "fluentSetterMethodName" : "withTerminateInstances",
- "getterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>\n@return Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.*/",
- "getterMethodName" : "getTerminateInstances",
- "getterModel" : {
  - "returnType" : "Boolean",
  - "documentation" : null
},
- "http" : {
  - "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TerminateInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "terminateInstances",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstances",
"setterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTerminateInstances",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "terminateInstances",
  "variableType" : "Boolean",
  "documentation" : ",",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "terminateInstances",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"variableNameSpaceUri" : null
},
"membersAsMap" : {

"SpotFleetRequestIds" : {
  "c2jName" : "SpotFleetRequestIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Spot fleet requests.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
   @param spotFleetRequestIds
   The IDs of the Spot fleet requests.
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestIds",
  "getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
   @return The IDs of the Spot fleet requests.
   */",
  "getterMethodName" : "getSpotFleetRequestIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotFleetRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotFleetRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n   @param member
   @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n   @return */",
      "getterMethodName" : "getMember",
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
{
"map": false,
"mapModel": null,
"name": "SpotFleetRequestIds",
"setterDocumentation": "*/<p>The IDs of the Spot fleet requests.</p>
@n@param spotFleetRequestIds The IDs of the Spot fleet requests.*/",
"setterMethodName": "setSpotFleetRequestIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "spotFleetRequestIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "*/<p>The IDs of the Spot fleet requests.</p>
@example Note: This method appends the values to the existing list (if any). Use { @link #setSpotFleetRequestIds(java.util.Collection) } or { @link #withSpotFleetRequestIds(java.util.Collection) } if you want to override the existing values.*/
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "spotFleetRequestIds",
"variableType": "java.util.List<String>",
"documentation": "<p>The IDs of the Spot fleet requests.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"TerminateInstances": {
"c2jName": "TerminateInstances",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is
canceled successfully. \n@\param terminateInstances Indicates whether to terminate instances for a Spot fleet
request if it is canceled successfully.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withTerminateInstances",
"getterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is
canceled successfully.\n@return Indicates whether to terminate instances for a Spot fleet request if it is
canceled successfully.*/",
"getterMethodName" : "getTerminateInstances",
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "TerminateInstances",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "terminateInstances",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstances",
"setterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is
canceled successfully.\n@\param terminateInstances Indicates whether to terminate instances for a Spot fleet
request if it is canceled successfully.*/",
"setterMethodName" : "setTerminateInstances",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "terminateInstances",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>
@param terminateInstances Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "terminateInstances",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestIds", "TerminateInstances" ],
"shapeName" : "CancelSpotFleetRequestsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CancelSpotFleetRequestsRequest",
"variableName" : "cancelSpotFleetRequestsRequest",
"variableType" : "CancelSpotFleetRequestsRequest",
"documentation" : null,
"simpleType" : "CancelSpotFleetRequestsRequest",
"variableSetterType" : "CancelSpotFleetRequestsRequest"
},
"wrapper" : false
},
"CancelSpotFleetRequestsResult" : {
"c2jName" : "CancelSpotFleetRequestsResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CancelSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "UnsuccessfulFleetRequests",
  "c2jShape" : "CancelSpotFleetRequestsErrorSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the Spot fleet requests that are not successfully canceled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUnsuccessfulFleetRequests",
  "getterDocumentation" : "/**
@return Information about the Spot fleet requests that are not successfully canceled.*/",
  "getterMethodName" : "getUnsuccessfulFleetRequests",
  "getterModel" : {
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    "returnType" : "com.amazonaws.SdkInternalList<CancelSpotFleetRequestsErrorItem>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "unsuccessfulFleetRequestSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
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    "interfaceType" : "java.util.List",
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      "c2jShape" : "CancelSpotFleetRequestsErrorItem",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
@return *
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      "getterModel" : {
        "returnType" : "com.amazonaws.SdkInternalList<CancelSpotFleetRequestsErrorItem>",
        "documentation" : null
      }
    }
  }
}]}
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"memberType": "CancelSpotFleetRequestsErrorItem",
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "CancelSpotFleetRequestsErrorItem",
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"templateType": "java.util.List<CancelSpotFleetRequestsErrorItem>",
"map": false,
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"setterDocumentation": "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>
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"setterModel": {
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  "variableName": "unsuccessfulFleetRequests",
  "variableType": "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation": "",
  "simpleType": "List<CancelSpotFleetRequestsErrorItem>",
  "variableSetterType": "java.util.List<CancelSpotFleetRequestsErrorItem>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setUnsuccessfulFleetRequests(java.util.Collection)} or {@link #withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>Information about the Spot fleet requests that are not successfully canceled.</p>",
  "simpleType": "List<CancelSpotFleetRequestsErrorItem>",
  "variableSetterType": "java.util.List<CancelSpotFleetRequestsErrorItem>"
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"xmlNameSpaceUri": null
},
"c2jName": "SuccessfulFleetRequests",
"c2jShape": "CancelSpotFleetRequestsSuccessSet",
"deprecated": false,
"documentation": "<p>Information about the Spot fleet requests that are successfully canceled.</p>"}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are successfully
canceled.</p>
@param successfulFleetRequests Information about the Spot fleet requests that are successfully
canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSuccessfulFleetRequests",
"getterDocumentation" : "/**<p>Information about the Spot fleet requests that are successfully
canceled.</p>
@return Information about the Spot fleet requests that are successfully canceled.*/",
"getterMethodName" : "getSuccessfulFleetRequests",
"getterModel" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "SuccessfulFleetRequestSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "successfulFleetRequestSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "CancelSpotFleetRequestsSuccessItem",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : null
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "CancelSpotFleetRequestsSuccessItem",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsSuccessItem",
  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "CancelSpotFleetRequestsSuccessItem",
  "documentation" : "",
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  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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},
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"marshallNonAuto ConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CancelSpotFleetRequestsSuccessItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CancelSpotFleetRequestsSuccessItem>",
"templateType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>"
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"map" : false,
"mapModel" : null,
"name" : "SuccessfulFleetRequests",
"setterDocumentation" : "/**<p>Information about the Spot fleet requests that are successfully canceled.</p>
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.*/",
"setterMethodName" : "setSuccessfulFleetRequests",
"setterModel" : {
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  "variableName" : "successfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>",
  "documentation" : "",
  "simpleType" : "List<CancelSpotFleetRequestsSuccessItem>",
  "variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsSuccessItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are successfully canceled.</p>
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "successfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>",
  "documentation" : "Information about the Spot fleet requests that are successfully canceled.<p>
  <b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSuccessfulFleetRequests(java.util.Collection)} or {@link #withSuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.<p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : false,
  "variableDeclarati...
/**<p>Information about the Spot fleet requests that are successfully canceled.</p>
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/

/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/

/**
@return */

/**
@<numpy>
@returns{float}

/**
@returns{float}

"fluentSetterDocumentation" : "/**\n@returns{float}

"getterDocumentation" : "/**\n@returns{float}

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"getterModel" : {
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"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SuccessfulFleetRequestSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "successfulFleetRequestSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "CancelSpotFleetRequestsSuccessItem",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@returns{float}

"fluentSetterMethodName" : "withSuccessfulFleetRequests",
"getterDocumentation" : "/**\n@returns{float}

"getterMethodName" : "getSuccessfulFleetRequests",
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"documentation" : null
},
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"list" : false,
"listModel" : null,
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@param member */",
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"setterModel" : {
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  "variableType" : "CancelSpotFleetRequestsSuccessItem",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsSuccessItem",
  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "CancelSpotFleetRequestsSuccessItem",
  "documentation" : "",
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  "variableSetterType" : "CancelSpotFleetRequestsSuccessItem"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "CancelSpotFleetRequestsSuccessItem",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CancelSpotFleetRequestsSuccessItem",
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"templateType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>",
"map" : false,
"mapModel" : null,
"name" : "SuccessfulFleetRequests",
"setterDocumentation" : "<p>Information about the Spot fleet requests that are successfully canceled.</p>
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"setterModel" : {
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    "variableName" : "successfulFleetRequests",
    "variableType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>",
    "documentation" : "",
    "simpleType" : "List<CancelSpotFleetRequestsSuccessItem>",
    "variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsSuccessItem>",
    "simple" : false,
    "varargSetterDocumentation" : "<p>Information about the Spot fleet requests that are successfully canceled.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSuccessfulFleetRequests(java.util.Collection)} or {@link #withSuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableName" : "successfulFleetRequests",
        "variableType" : "java.util.List<CancelSpotFleetRequestsSuccessItem>",
        "documentation" : "Information about the Spot fleet requests that are successfully canceled.<p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSuccessfulFleetRequests(java.util.Collection)} or {@link #withSuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.
@param successfulFleetRequests Information about the Spot fleet requests that are successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    },
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        "c2jShape" : "CancelSpotFleetRequestsErrorSet",
        "deprecated" : false,
        "documentation" : "Information about the Spot fleet requests that are not successfully canceled.<p>
        @param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.<p>
        @return Returns a reference to this object so that method calls can be chained together.*/"}}
successfully canceled.

\@return Returns a reference to this object so that method calls can be chained together.*"/
```
"fluentSetterMethodName" : "withUnsuccessfulFleetRequests",
"getterDocumentation" : "/**\p>Information about the Spot fleet requests that are not successfully
canceled.\n\@return Information about the Spot fleet requests that are not successfully canceled.*"/
```
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```
"getterModel" : {
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  "documentation" : null
}
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "unsuccessfulFleetRequestSet",
  "uri" : false
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"idempotencyToken" : false,
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "CancelSpotFleetRequestsErrorItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\@param member \n\@return Returns a reference to this object so that method calls can be chained together.*"/
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"getterDocumentation" : "/**\n\@return */",
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"getterMethodName" : "getMember",
```
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  "documentation" : null
}
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"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "CancelSpotFleetRequestsErrorItem",
  "documentation" : "",
  "simpleType" : "CancelSpotFleetRequestsErrorItem",
  "variableSetterType" : "CancelSpotFleetRequestsErrorItem"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableSetterType" : "CancelSpotFleetRequestsErrorItem"
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"memberType" : "CancelSpotFleetRequestsErrorItem",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CancelSpotFleetRequestsErrorItem",
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"templateType" : "java.util.List<CancelSpotFleetRequestsErrorItem>"
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"mapModel" : null,
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"setterDocumentation" : "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.*/",
"setterMethodName" : "setUnsuccessfulFleetRequests",
"setterModel" : {
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  "variableName" : "unsuccessfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "",
  "simpleType" : "List<CancelSpotFleetRequestsErrorItem>",
  "variableSetterType" : "java.util.Collection<CancelSpotFleetRequestsErrorItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Spot fleet requests that are not successfully canceled.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link 
#setUnsuccessfulFleetRequests(java.util.Collection)} or {@link 
#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "unsuccessfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "Information about the Spot fleet requests that are not successfully canceled.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
#setUnsuccessfulFleetRequests(java.util.Collection)} or {
#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "Information about the Spot fleet requests that are not successfully canceled.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
#setUnsuccessfulFleetRequests(java.util.Collection)} or {
#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "Information about the Spot fleet requests that are not successfully canceled.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
#setUnsuccessfulFleetRequests(java.util.Collection)} or {
#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "unsuccessfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "Information about the Spot fleet requests that are not successfully canceled.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
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#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.</p>
@param unsuccessfulFleetRequests Information about the Spot fleet requests that are not successfully canceled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "unsuccessfulFleetRequests",
  "variableType" : "java.util.List<CancelSpotFleetRequestsErrorItem>",
  "documentation" : "Information about the Spot fleet requests that are not successfully canceled.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
#setUnsuccessfulFleetRequests(java.util.Collection)} or {
#withUnsuccessfulFleetRequests(java.util.Collection)} if you want to override the existing values.
[
"unmarshaller" : {
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  "resultWrapper" : null
},
"variable" : {

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"variableDeclarationType" : "CancelSpotFleetRequestsResult",
"variableName" : "cancelSpotFleetRequestsResult",
"variableType" : "CancelSpotFleetRequestsResult",
"documentation" : null,
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"variableSetterType" : "CancelSpotFleetRequestsResult"
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"CancelSpotFleetRequestsSuccessItem" : {
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},
"deprecated" : false,
"documentation" : "<p>Describes a Spot fleet request that was successfully canceled.</p>",
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"enumType" : null,
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\*\*\@param spotFleetRequestId The ID of the Spot fleet request.\n\*\*\@return Returns a reference to this object so that method calls can be chained together.*/",
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\*\*\@return The ID of the Spot fleet request.*/",
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"documentation" : null
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"isRequest" : false,
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"location" : null,
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"locationType" : null,
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"requestBodyType" : null,
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"requestHeaderType" : null,
"responseMemberExposesModel" : false,
"responseType" : null,
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"uriTemplateType" : null,
"validateBeforeSend" : false
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"uri" : false
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@param spotFleetRequestId The ID of the Spot fleet request.
*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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<p>The current state of the Spot fleet request.</p>
@param currentSpotFleetRequestState The current state of the Spot fleet request.
@return Returns a reference to this object"}
so that method calls can be chained together.\n@see BatchState*/

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  "variableSetterType" : "String"
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "BatchState",
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"enumType" : "BatchState",
"fluentSetterDocumentation" : "/*<p>The previous state of the Spot fleet request.</p>@param previousSpotFleetRequestState The previous state of the Spot fleet request.
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"getterDocumentation" : "/*$<p>The previous state of the Spot fleet request.</p>@returns The previous state of the Spot fleet request.
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@see BatchState*/",
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"setterModel" : {

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"variableSetterType" : "String"
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"getterDocumentation" : "/**\p> The current state of the Spot fleet request. \n\p@return The current state of the Spot fleet request. \n\p@see BatchState*/!",
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"isPayload" : false,
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  "simpleType": "String",
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"xmlNameSpaceUri": null,
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  "c2jShape": "BatchState",
  "deprecated": false,
  "documentation": "<p>The previous state of the Spot fleet request.</p>",
  "enumType": "BatchState",
  "fluentSetterDocumentation": "/*\<p>\nThe previous state of the Spot fleet request.\</p>\n@\param\n\npreviousSpotFleetRequestState \nThe previous state of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.\n@see BatchState*/",
  "fluentSetterMethodName": "withPreviousSpotFleetRequestState",
  "getterDocumentation": "/*\<p>\nThe previous state of the Spot fleet request.\</p>\n@\return The previous state
of the Spot fleet request.

```java
@see BatchState*/

"setterMethodName" : "setPreviousSpotFleetRequestState",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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    "statusCode" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  { 
    "name": "Open",
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  },  
  { 
    "name": "Closed",
    "value": "closed"
  },  
  { 
    "name": "Cancelled",
    "value": "cancelled"
  },  
  { 
    "name": "Completed",
    "value": "completed"
  }
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"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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"hasPayloadMember" : false,
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"xmlnsNameSpaceUri" : null
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"enumType" : null,
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@param spotInstanceRequestIds One or more Spot instance request IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotInstanceRequestIds",
"getterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@return One or more Spot instance request IDs.*/",
"getterMethodName" : "getSpotInstanceRequestIds",
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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"interfaceType" : "java.util.List",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : 
"/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@Deprecated\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : 
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"simpleType" : "String",
"variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"setterMethodName" : "setSpotInstanceRequestIds",
"setterModel" : {
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 "variableName" : "spotInstanceRequestIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>
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"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.*/",
"varargSetterMethodName" : "setSpotInstanceRequestIds(java.util.Collection)",
"varargSetterModel" : {
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 "variableName" : "spotInstanceRequestIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>
}
};
you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/*

\begin{verbatim}
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "spotInstanceRequestIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more Spot instance request IDs.</p>",
  "simpleType": "List<String>",
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    "fluentSetterDocumentation": "/**<p>One or more Spot instance request IDs.</p>
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    "getterDocumentation": "/**<p>One or more Spot instance request IDs.</p>
@returns One or more Spot instance request IDs.*/*",
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      "greedy": false,
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      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
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      "uri": false
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    "list": true,
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"interfaceType": "java.util.List",
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  "documentation": "",
  "enumType": null,
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  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n@return *
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  "getterMethodName": "getMember",
  "getterModel": {
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    "documentation": null
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    "additionalUnmarshallingPath": null,
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  "mapModel": null,
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    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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"variable": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"memberLocationName": "SpotInstanceRequestId",
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"memberAdditionalUnmarshallingPath": null,
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"simple": true,
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"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "SpotInstanceRequestIds",
"setterDocumentation": "<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.*/",
"setterMethodName": "setSpotInstanceRequestIds",
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  "documentation": "",
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  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "<p>One or more Spot instance request IDs.</p>
@NOTE: This method appends the values to the existing list (if any). Use {@link #setSpotInstanceRequestIds(java.util.Collection)} or {@link #withSpotInstanceRequestIds(java.util.Collection)} if you want to override the existing values.*/
@param spotInstanceRequestIds One or more Spot instance request IDs.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>One or more Spot instance request IDs.</p>",
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"shapeName" : "CancelSpotInstanceRequestsRequest",
"unmarshaller" : null,
"variable" : {
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"variableName" : "cancelSpotInstanceRequestsRequest",
"variableType" : "CancelSpotInstanceRequestsRequest",
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"CancelSpotInstanceRequestsResult" : {
"c2jName" : "CancelSpotInstanceRequestsResult",
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"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of CancelSpotInstanceRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"enumType" : null,
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that method calls can be chained together.*/",
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "spotInstanceRequestSet",
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        "c2jShape" : "CancelledSpotInstanceRequest",
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        "enumType" : null,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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        "getterDocumentation" : "/**\n@return */",
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "item",
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"list": false,
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"mapModel": null,
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@param member */",
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  "variableSetterType": "CancelledSpotInstanceRequest"
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"simple": false,
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"templateType" : "java.util.List<CancelledSpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "CancelledSpotInstanceRequests",
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@param cancelledSpotInstanceRequests One or more Spot instance requests.*/",
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"setterModel" : {
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  "variableName" : "cancelledSpotInstanceRequests",
  "variableType" : "java.util.List<CancelledSpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
\<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link 
#setCancelledSpotInstanceRequests(java.util.Collection)} or {@link
#withCancelledSpotInstanceRequests(java.util.Collection)} if you want to override the existing
values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>One or more Spot instance requests.</p>",
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "CancelledSpotInstanceRequestList",
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
\n@\param cancelledSpotInstanceRequests One or more Spot instance requests.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCancelledSpotInstanceRequests",
    "getterDocumentation" : "/**<p>One or more Spot instance requests.</p>
\n@\param cancelledSpotInstanceRequests One or more Spot instance requests.\n@return One or more Spot instance requests.*/",
    "name" : "CancelledSpotInstanceRequests",
    "setterDocumentation" : "/**<p>One or more Spot instance requests.</p>
\n@\param cancelledSpotInstanceRequests One or more Spot instance requests.\n\n@\return Returns a reference to this object so that method calls can be chained together.*/"
  }
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "spotInstanceRequestSet",
  "uri" : false
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    "c2jShape" : "CancelledSpotInstanceRequest",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
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      "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "CancelledSpotInstanceRequest",
"documentation" : "",
"simpleType" : "CancelledSpotInstanceRequest",
"variableSetterType" : "CancelledSpotInstanceRequest"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "CancelledSpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<CancelledSpotInstanceRequest>"
"map" : false,
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  "variableName" : "cancelledSpotInstanceRequests",
  "variableType" : "java.util.List<CancelledSpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more Spot instance requests.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [&lt;link
#setCancelledSpotInstanceRequests(java.util.Collection) or [&lt;link
#withCancelledSpotInstanceRequests(java.util.Collection)] if you want to override the existing
values.&lt;/p&gt;&lt;n&gt;@param cancelledSpotInstanceRequests One or more Spot instance requests.&lt;/n&gt;
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "cancelledSpotInstanceRequests",
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  "documentation" : "<p>One or more Spot instance requests.</p>
  "simpleType" : "List<CancelledSpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<CancelledSpotInstanceRequest>"
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  "variableName" : "cancelSpotInstanceRequestsResult",
  "variableType" : "CancelSpotInstanceRequestsResult",
  "documentation" : null,
  "simpleType" : "CancelSpotInstanceRequestsResult",
  "variableSetterType" : "CancelSpotInstanceRequestsResult"
},

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"wrapper": false,

"CancelledSpotInstanceRequest": {
  "c2jName": "CancelledSpotInstanceRequest",
  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "<p>Describes a request to cancel a Spot instance.</p>",
  "enums": null,
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      "enumType": null,
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method calls can be chained together.*/",
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*return The ID of the Spot instance request.*/",
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"variableType" : "String",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\p>The ID of the Spot instance request.
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*\*/
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"variableType" : "String",
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,"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "CancelSpotInstanceRequestState",
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"documentation" : "\p>The state of the Spot instance request.
,"enumType" : "CancelSpotInstanceRequestState",
"fluentSetterDocumentation" : "/**\p>The state of the Spot instance request.
@param state The state of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*\*/
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"getterDocumentation" : "/**\p>The state of the Spot instance request.
@param state The state of the Spot instance request.
,"getterMethodName" : "getState",
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"statusCode": false,
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"map": false,
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"simpleType": "String",
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},
"xmlNameSpaceUri": null
}].
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        "documentation": "&lt;p&gt;The ID of the Spot instance request.&lt;/p&gt;",
        "enumType": null,
        "fluentSetterDocumentation": "/**&lt;p&gt;The ID of the Spot instance request.&lt;/p&gt;\n@param spotInstanceRequestId The ID of the Spot instance request.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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        "getterDocumentation": "/**&lt;p&gt;The ID of the Spot instance request.&lt;/p&gt;\n@return The ID of the Spot instance request.*\*/",
        "getterMethodName": "getSpotInstanceRequestId",
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            "documentation": null
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            "isPayload": false,
            "isStreaming": false,
            "location": null,
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            "statusCode": false,
            "unmarshallLocationName": "spotInstanceRequestId",
            "uri": false
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        "listModel": null,
        "map": false,
        "mapModel": null,
        "name": "SpotInstanceRequestId",
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            "variableName": "spotInstanceRequestId",
            "variableType": "String",
            "documentation": "",
            "simpleType": "String"},
    }
}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the Spot instance request.
* \n* @param spotInstanceRequestId The ID of the Spot instance request.
* \n* @return Returns a reference to this object so that method calls can be
chained together.*/",
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  "variableName" : "spotInstanceRequestId",
  "variableType" : "String",
  "documentation" : "The ID of the Spot instance request.
  \n  @param spotInstanceRequestId The ID of the Spot instance request.
  \n  @return Returns a reference to this object so that method calls can be
chained together.\n  \n  @see CancelSpotInstanceRequestState*/",
  "xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "CancelSpotInstanceRequestState",
  "deprecated" : false,
  "documentation" : "The state of the Spot instance request.
  \n  @param state The state of the Spot instance request.
  \n  @return The state of the Spot instance request.
  \n  @see CancelSpotInstanceRequestState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**\n  * The state of the Spot instance request.
  * \n  * @param state The state of the Spot instance request.
  * \n  * @return The state of the Spot instance request.
  * \n  * @see CancelSpotInstanceRequestState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
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    "queryString" : false,
    "statusCode" : false,
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"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the Spot instance request.</p>@param state The state of the Spot instance request.@see CancelSpotInstanceRequestState*/",
"setterMethodName" : "setState",
"setterModel" : {
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Spot instance request.</p>@param state The state of the Spot instance request.@return Returns a reference to this object so that method calls can be chained together.@see CancelSpotInstanceRequestState*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The state of the Spot instance request."",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"required" : null,
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  "variableType" : "CancelledSpotInstanceRequest",
  "documentation" : null,
  "simpleType" : "CancelledSpotInstanceRequest",
  "variableSetterType" : "CancelledSpotInstanceRequest"
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"wrapper": false
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"ClassicLinkDnsSupport": {
  "c2jName": "ClassicLinkDnsSupport",
  "customization": {
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    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes the ClassicLink DNS support status of a VPC.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
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      "documentation": "<p>The ID of the VPC.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withVpcId",
      "getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
      "getterMethodName": "getVpcId",
      "getterModel": {
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        "documentation": null
      }
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        "header": false,
        "isPayload": false,
        "isStreaming": false,
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        "statusCode": false,
        "unmarshallLocationName": "vpcId",
        "uri": false
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    }
  ]
}
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"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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},
"c2jName" : "ClassicLinkDnsSupported",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClassicLinkDnsSupported",
"getterDocumentation" : "/**<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@return Indicates whether ClassicLink DNS support is enabled for the VPC.*/",
"getterMethodName" : "getClassicLinkDnsSupported",
"getterModel" : {
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  "documentation" : null
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "classicLinkDnsSupported",
"uri" : false
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"map" : false,
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"setterDocumentation" : /**<p>Indicates whether ClassicLink DNS support is enabled for the
VPC.</p>*/
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the
VPC.
*/
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 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : /**<p>Indicates whether ClassicLink DNS support is enabled for the
VPC.</p>*/
@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the
VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/
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 "variableSetterType" : "Boolean"
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@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.
@returns Indicates whether ClassicLink DNS support is enabled for the VPC.</p>*/",
"getterDocumentation" : "/**<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>
@return Indicates whether ClassicLink DNS support is enabled for the VPC.*/",
"getterMethodName" : "getClassicLinkDnsSupported",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "classicLinkDnsSupported",
  "uri" : false
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"name" : "ClassicLinkDnsSupported",
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@param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.</p>*/",
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"varargSetterDocumentation" : "/**\p>Indicates whether ClassicLink DNS support is enabled for the VPC.\n@\param classicLinkDnsSupported Indicates whether ClassicLink DNS support is enabled for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "Boolean",
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
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    "getterDocumentation" : "/**\p>The ID of the VPC.\n@\return The ID of the VPC.*/",
    "getterMethodName" : "getVpcId",
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        "documentation" : null
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
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        "uri" : false
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    "listModel" : null,
    "map" : false,
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        "documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>",
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
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"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC. */",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param vpcId The ID of the VPC.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ClassicLinkDnsSupport",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "ClassicLinkDnsSupport",
  "variableName" : "classicLinkDnsSupport",
  "variableType" : "ClassicLinkDnsSupport",
  "documentation" : null,
  "simpleType" : "ClassicLinkDnsSupport",
  "variableSetterType" : "ClassicLinkDnsSupport"
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"wrapper" : false
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"ClassicLinkInstance" : {
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  },
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    "variableName" : "classicLinkDnsSupport",
    "variableType" : "ClassicLinkDnsSupport",
    "documentation" : null,
    "simpleType" : "ClassicLinkDnsSupport",
    "variableSetterType" : "ClassicLinkDnsSupport"
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  "wrapper" : false
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  "c2jName" : "ClassicLinkInstanceId",
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    "variableName" : "classicLinkInstanceId",
    "variableType" : "ClassicLinkInstanceId",
    "documentation" : null,
    "simpleType" : "ClassicLinkInstanceId",
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  },
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    "variableType" : "ClassicLinkParameters",
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    "simpleType" : "ClassicLinkParameters",
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  "wrapper" : false
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  "customization" : {
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  },
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    "variableName" : "classicLinkParametersId",
    "variableType" : "ClassicLinkParametersId",
    "documentation" : null,
    "simpleType" : "ClassicLinkParametersId",
    "variableSetterType" : "ClassicLinkParametersId"
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  "wrapper" : false
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a linked EC2-Classic instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/** The ID of the instance.
\* @param instanceId The ID of the instance.
\* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "\*\* The ID of the instance.
\* @return The ID of the instance.
\*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterModel": {
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  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@return Returns a reference to this object so that method calls can be chained together.</n>*/",
"variable": {
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  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
}, {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPC.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p><n@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.</n>*/",
  "fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "/**<p>The ID of the VPC.</p><n@return The ID of the VPC.</n>*/",
  "getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcId",
    "marshallLocationName": null
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  "operationClass": null,
  "requestModel": null,
  "responseModel": null,
  "shapeName": "VpcId",
  "shapeName": null
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"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
*p The ID of the VPC.
@param vpcId The ID of the VPC.*
*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
*p The ID of the VPC.
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*
*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
{ 
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>A list of security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
*p A list of security groups.
@param groups A list of security groups.
@return Returns a reference to this object so that method calls can be chained together.*
*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**
*p A list of security groups.
@param groups A list of security groups.*
*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : null
  }
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
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  "isStreaming": false,
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  "unmarshallLocationName": "groupSet",
  "uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "GroupIdentifier",
    "deprecated": false,
    "documentation": "/*",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@returns Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns Returns a reference to this object so that
method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "GroupIdentifier",
      "documentation": null
    }
  }
},
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item"}
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
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   * @param member */",
"setterMethodName": "setMember",
"setterModel": {
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   "variableName": "member",
   "variableType": "GroupIdentifier",
   "documentation": "",
   "simpleType": "GroupIdentifier",
   "variableSetterType": "GroupIdentifier"
},
"simple": false,
"varargSetterDocumentation": "/**\n   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
"variable": {
   "variableDeclarationType": "GroupIdentifier",
   "variableName": "member",
   "variableType": "GroupIdentifier",
   "documentation": "",
   "simpleType": "GroupIdentifier",
   "variableSetterType": "GroupIdentifier"
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"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "GroupIdentifier",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "GroupIdentifier",
"templateImplType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType": "java.util.List<GroupIdentifier>"
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"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**<p>A list of security groups.</p>
   * @param groups A list of security groups. */",
"setterMethodName": "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * A list of security groups.
 */

This method appends the values to the existing list (if any). Use [link #setGroups(java.util.Collection)] or [link #withGroups(java.util.Collection)] if you want to override the existing values.

\n@\n@\n@param groups A list of security groups.
\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "A list of security groups.",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
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"xmlNameSpaceUri" : null
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"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * Any tags assigned to the instance.
 */

@\n@\n@param tags Any tags assigned to the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n * Any tags assigned to the instance.
 */

@\n@\n@return Any tags assigned to the instance.
\n"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n@param member */",
    "setterMethodName" : "setMember",
  }
}
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**\n<p>Any tags assigned to the instance.</p>\n@param tags Any tags assigned to the instance.*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the instance.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setTags(java.util.Collection) or @link 
#withTags(java.util.Collection) if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the instance.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Groups" : {
    "c2jName" : "Groups",
    "c2jShape" : "GroupIdentifierList",
    "deprecated" : false,
    "documentation" : "<p>A list of security groups.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>A list of security groups.</p>
@param groups A list of security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroups",
    "getterDocumentation" : "/**\n<p>A list of security groups.</p>
@return A list of security groups.
*/",
    "getterMethodName" : "getGroups",
    "getterModel" : {
      "returnType" : "java.util.List<GroupIdentifier>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "GroupIdentifier",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "GroupIdentifier",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
  }
},

"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "GroupIdentifier",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "GroupIdentifier",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
  }
},

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "GroupIdentifier",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "GroupIdentifier",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
  }
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"}
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>A list of security groups.</p>
@param groups A list of security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of security groups.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.<p>\n@param groups A list of security groups.<p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>A list of security groups.</p>",
"xmlns" : "http://purl.org/dc/elements/1.1/"
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlnsSpaceUri" : null
},
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*\*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*\*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "**\n"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@return Any tags assigned to the instance.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "variableType" : "Tag",
      "documentation" : ""
    }
  }
}
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to the instance.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the instance.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.

@param tags Any tags assigned to the instance.

@return Returns a reference to this object so that method calls can be chained together.*/"}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the instance.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p><p>@return The ID of the VPC.</p>*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
 "returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p><p>\n@return The ID of the VPC.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the
VPC.@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ClassicLinkInstance",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"wrapper" : false
},
"ClientData" : {
"c2jName" : "ClientData",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the client-specific data.\</p>"},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "UploadStart",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time that the disk upload starts.\</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "\/*\<p>The time that the disk upload starts.\</p>\n@param uploadStart The time that the disk upload starts.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadStart",
"getterDocumentation" : "\/*\<p>The time that the disk upload starts.\</p>\n@return The time that the disk upload starts.*/",
"getterMethodName" : "getUploadStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadStart",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadStart",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadStart",
"setterDocumentation" : "\/*\<p>The time that the disk upload starts.\</p>\n@param uploadStart The time that the disk upload starts.*/"
"setterMethodName" : "setUploadStart",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadStart",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the disk upload starts.</p>
@param uploadStart The time that the disk upload starts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadStart",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time that the disk upload starts.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},

},

"c2jName" : "UploadEnd",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time that the disk upload ends.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadEnd",
"getterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@return The time that the disk upload ends.*/",
"getterMethodName" : "getUploadEnd",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "xmlNameSpaceUri" : null
}

}
"marshallLocationName" : "UploadEnd",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UploadEnd",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadEnd",
"setterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.*/",
"setterMethodName" : "setUploadEnd",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadEnd",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the disk upload ends.</p>
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadEnd",
"variableType" : "java.util.Date",
"documentation" : "<p>The time that the disk upload ends.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UploadSize",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The size of the uploaded disk image, in GiB.</p>

/**<p>The size of the uploaded disk image, in GiB.</p>

@param uploadSize The size of the uploaded disk image, in GiB.

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "withUploadSize",
"getterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.</p>

@return The size of the uploaded disk image, in GiB.*/

"c2jName" : "UploadSize",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The size of the uploaded disk image, in GiB.</p>

/**<p>The size of the uploaded disk image, in GiB.</p>

@param uploadSize The size of the uploaded disk image, in GiB.

@return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "withUploadSize",
"getterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.</p>

@return The size of the uploaded disk image, in GiB.*/
"getterMethodName" : "getUploadSize",
"getterModel" : {
    "returnType" : "Double",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UploadSize",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UploadSize",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadSize",
"setterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.
@param uploadSize The size of the uploaded disk image, in GiB.*/",
"setterMethodName" : "setUploadSize",
"setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "uploadSize",
    "variableType" : "Double",
    "documentation" : "",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the uploaded disk image, in GiB.
@param uploadSize The size of the uploaded disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "uploadSize",
    "variableType" : "Double",
    "documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
A user-defined comment about the disk upload.

@returns A reference to this object so that method calls can be chained together.

**getterDocumentation**

```
/**
 * A user-defined comment about the disk upload.
 * @returns A user-defined comment about the disk upload.
 */
```

**getterMethodName**

```
getComment
```

**getterModel**

```
{
  "returnType" : "String",
  "documentation" : null
}
```

**http**

```
{
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Comment",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Comment",
  "uri" : false
}
```

**idempotencyToken**

```
false
```

**list**

```
false
```

**listModel**

```
null
```

**map**

```
false
```

**mapModel**

```
null
```

**name**

```
"Comment",
```

**setterDocumentation**

```
/**
 * A user-defined comment about the disk upload.
 * @param comment A user-defined comment about the disk upload.
 */
```

**setterMethodName**

```
setComment
```

**setterModel**

```
{
  "variableDeclarationType" : "String",
  "variableName" : "comment",
  "variableType" : "String",
  "documentation" : "",
```
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>
@param comment A user-defined comment about the disk upload.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "comment",
  "variableType" : "String",
  "documentation" : "<p>A user-defined comment about the disk upload.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Comment" : {
    "c2jName" : "Comment",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A user-defined comment about the disk upload.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>
@param comment A user-defined comment about the disk upload.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withComment",
    "getterDocumentation" : "/**<p>A user-defined comment about the disk upload.</p>
@return A user-defined comment about the disk upload.*/",
    "getterMethodName" : "getComment",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Comment",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Comment",
      "variableDeclarationType" : "String",
      "variableName" : "comment",
      "variableType" : "String",
      "documentation" : "<p>A user-defined comment about the disk upload.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Comment",
"setterDocumentation" : "/**
 * A user-defined comment about the disk upload.
 */
@param comment A user-defined comment about the disk upload.

setterMethodName" : "setComment",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "comment",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * A user-defined comment about the disk upload.
 */
@param comment A user-defined comment about the disk upload.
@return Returns a reference to this object so that method calls can be chained together.

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "comment",
  "variableType" : "String",
  "documentation" : "A user-defined comment about the disk upload.

simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"UploadEnd" : {
  "c2jName" : "UploadEnd",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The time that the disk upload ends.

fluentSetterDocumentation" : "/**
 * The time that the disk upload ends.
 */
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.

fluentSetterMethodName" : "withUploadEnd",
"getterDocumentation" : "/**
 * The time that the disk upload ends.
 */
@return The time that the disk upload ends.

enumType" : null,
"fluentSetterDocumentation" : "/**
 * The time that the disk upload ends.
 */
@param uploadEnd The time that the disk upload ends.
@return Returns a reference to this object so that method calls can be chained together.

fluentSetterMethodName" : "withUploadEnd",
"getterDocumentation" : "/**
 * The time that the disk upload ends.
 */
@return The time that the disk upload ends.

getModel" : {
  "returnType" : "java.util.Date",}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UploadEnd",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UploadEnd",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadEnd",
"setterDocumentation" : "/**\n * The time that the disk upload ends.
 * @param uploadEnd The time that the disk upload ends.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUploadEnd",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadEnd",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The time that the disk upload ends.\n * @param uploadEnd The time that the disk upload ends.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "uploadEnd",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time that the disk upload ends.\</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"UploadSize" : {
  "c2jName" : "UploadSize",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "The size of the uploaded disk image, in GiB.\</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\*/\<p>The size of the uploaded disk image, in GiB.\</p>\n@param uploadSize The size of the uploaded disk image, in GiB.\</p>\n@return Returns a reference to this object so that method calls can be chained together.\*/",
  "fluentSetterMethodName" : "withUploadSize",
  "getterDocumentation" : "\*/\<p>The size of the uploaded disk image, in GiB.\</p>\n@return The size of the uploaded disk image, in GiB.\*/",
  "getterMethodName" : "getUploadSize",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UploadSize",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UploadSize",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "UploadSize",
  "setterDocumentation" : "\*/\<p>The size of the uploaded disk image, in GiB.\</p>\n@param uploadSize The size of the uploaded disk image, in GiB.\*/",
  "setterMethodName" : "setUploadSize",
  "setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "uploadSize",
    "variableType" : "Double",
    "documentation" : "",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  }
}
"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"varargSetterDocumentation" : "/*\n*/\n"simple" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadStart",
"setterDocumentation" : "/**<p>The time that the disk upload starts.</p>
@param uploadStart The time that the disk upload starts.*/",
"setterMethodName" : "setUploadStart",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadStart",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time that the disk upload starts.</p>
@param uploadStart The time that the disk upload starts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "uploadStart",
"variableType" : "java.util.Date",
"documentation" : "<p>The time that the disk upload starts.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ClientData",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ClientData",
"variableName" : "clientData",
"variableType" : "ClientData",
"documentation" : null,
"simpleType" : "ClientData",
"variableSetterType" : "ClientData"
},
"wrapper" : false
"ConfirmProductInstanceRequest" : {
  "c2jName" : "ConfirmProductInstanceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ConfirmProductInstance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ConfirmProductInstance",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "ProductCode",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The product code. This must be a product code that you own.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>@param productCode The product code. This must be a product code that you own.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withProductCode",
      "getterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>@return The product code. This must be a product code that you own.</param>@return The product code. This must be a product code that you own.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getProductCode",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
      }
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ProductCode",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductCode",
"setterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@param productCode The product code. This must be a product code that you own.*\*/",

"setterMethodName" : "setProductCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
@param productCode The product code. This must be a product code that you own.
@return Returns a reference to this object so that method calls can be chained together.*\*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null,

},

"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*\*/",

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>@return The ID of the instance.</p>*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>@param instanceId The ID of the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>@param instanceId The ID of the instance.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>"
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
 "InstanceId" : {
 "c2jName" : "InstanceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "&lt;p&gt;The ID of the instance.&lt;/p&gt;",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;param instanceId The ID of the instance.&lt;/param&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
 "fluentSetterMethodName" : "withInstanceId",
 "getterDocumentation" : "/**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;return&gt;The ID of the instance.&lt;/return&gt;*/",
 "getterMethodName" : "getInstanceId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "InstanceId",
 "setterDocumentation" : "/**&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;param instanceId The ID of the instance.&lt;/param&gt;&lt;return&gt;The ID of the instance.&lt;/return&gt;*/",
 "setterMethodName" : "setInstanceId",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"ProductCode" : {
  "c2jName" : "ProductCode",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The product code. This must be a product code that you own.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
   @param productCode The product code. This must be a product code that you own.</p>
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCode",
  "getterDocumentation" : "/**<p>The product code. This must be a product code that you own.</p>
   @return The product code. This must be a product code that you own.*/",
  "getterMethodName" : "getProductCode",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatenned" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ProductCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductCode",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductCode",
"setterDocumentation" : "/**\n * The product code. This must be a product code that you own.<p>\n @param productCode The product code. This must be a product code that you own.*/",
"setterMethodName" : "setProductCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The product code. This must be a product code that you own.<p>\n @param productCode The product code. This must be a product code that you own.<p>
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productCode",
  "variableType" : "String",
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ProductCode", "InstanceId" ],
"shapeName" : "ConfirmProductInstanceRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ConfirmProductInstanceRequest",
  "variableName" : "confirmProductInstanceRequest",
  "variableType" : "ConfirmProductInstanceRequest",
  "documentation" : null,
  "simpleType" : "ConfirmProductInstanceRequest",
  "variableSetterType" : "ConfirmProductInstanceRequest"
},
"wrapper" : false,
"ConfirmProductInstanceResult" : {
  "c2jName" : "ConfirmProductInstanceResult",
  "customization" : {
  "simple" : false,
  "varargSetterDocumentation" : "/**\n * The product code. This must be a product code that you own.<p>\n * @param productCode The product code. This must be a product code that you own.<p>
 * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "productCode",
    "variableType" : "String",
    "documentation" : "<p>The product code. This must be a product code that you own.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the output of ConfirmProductInstance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the instance owner. This is only present if the product code is
attached to the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the
product code is attached to the instance.</p>@param ownerId The AWS account ID of the instance owner. This is
only present if the product code is attached to the instance.</p>@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the
product code is attached to the instance.</p>@return The AWS account ID of the instance owner. This is only present if
the product code is attached to the instance.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>
@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>
@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>"}
product code is owned by the requester and associated with the specified instance.

```java
@return The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.*
```

```java
"getterMethodName" : "getReturn",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Return",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
@return Returns a reference to this object so that method calls can be chained together.*
```

```java
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : " returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
@return Returns a reference to this object so that method calls can be chained together.*
```
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "OwnerId" : {
    "c2jName" : "OwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.
@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOwnerId",
    "getterDocumentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.
@return The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",
    "getterMethodName" : "getOwnerId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "OwnerId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ownerId",
      "uri" : false
    },
    "idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",

"setterDocumentation": "/**\n<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.*/",

"setterMethodName": "setOwnerId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,

"varargSetterDocumentation": "/**\n<p>The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.</p>\n@param ownerId The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.\n",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"Return": {
  "c2jName": "Return",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>\n@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withReturn",
  "getterDocumentation": "/**\n<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.\n@return The return value of"
the request. Returns `<code>true</code>` if the specified product code is owned by the requester and associated with the specified instance.

```json
"getterMethodName" : "getReturn",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Return",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "return",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "returnValue",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>
@param returnValue The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
}
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "<p>The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ConfirmProductInstanceResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ConfirmProductInstanceResult",
"variableName" : "confirmProductInstanceResult",
"variableType" : "ConfirmProductInstanceResult",
"documentation" : null,
"simpleType" : "ConfirmProductInstanceResult",
"variableSetterType" : "ConfirmProductInstanceResult"
},
"wrapper" : false
},
"ContainerFormat" : {
"c2jName" : "ContainerFormat",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Ova",
"value" : "ova"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ContainerFormat",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "ContainerFormat",
  "variableName" : "containerFormat",
  "variableType" : "ContainerFormat",
  "documentation" : null,
  "simpleType" : "ContainerFormat",
  "variableSetterType" : "ContainerFormat"
},
"wrapper" : false
},
"ConversionTask" : { 
  "c2jName" : "ConversionTask",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
  "deprecated" : false,
  "documentation" : "<p>Describes a conversion task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ 
    "c2jName" : "ConversionTaskId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the conversion task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the conversion task.</p>\n@param conversionTaskId The ID of the conversion task.\n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withConversionTaskId",
    "getterDocumentation" : "/**<p>The ID of the conversion task.</p>\n@return The ID of the conversion
task.*"},
"getterMethodName" : "getConversionTaskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskId",
"setterDocumentation" : "<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.*"},
"setterMethodName" : "setConversionTaskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "conversionTaskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task
@return Returns a reference to this object so that method calls can be chained together.*"},
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "conversionTaskId",
"variableType" : "String",
"documentation" : "<p>The ID of the conversion task.</p>"}
"xmlNameSpaceUri" : null
},
  "c2jName" : "ExpirationTime",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>*/
,
  "fluentSetterMethodName" : "withExpirationTime",
  "getterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>*/
,
  "getterMethodName" : "getExpirationTime",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExpirationTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "expirationTime",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ExpirationTime",
  "setterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>*/
,
  "setterMethodName" : "setExpirationTime",
  "setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>\<param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.\<return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "\<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.\</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ImportInstance",
"c2jShape" : "ImportInstanceTaskDetails",
"deprecated" : false,
"documentation" : "\<p>If the task is for importing an instance, this contains information about the import instance task.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>If the task is for importing an instance, this contains information about the import instance task.\</p>\<param importInstance If the task is for importing an instance, this contains information about the import instance task.\<return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportInstance",
"getterDocumentation" : "/**\<p>If the task is for importing an instance, this contains information about the import instance task.\</p>\<return If the task is for importing an instance, this contains information about the import instance task.*/",
"getterMethodName" : "getImportInstance",
"getterModel" : {
"returnType" : "ImportInstanceTaskDetails",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
**If the task is for importing an instance, this contains information about the import instance task.**

**If the task is for importing an instance, this contains information about the import instance task.**

**If the task is for importing an instance, this contains information about the import instance task.**

**If the task is for importing a volume, this contains information about the import volume task.**
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the import volume task.</p>*/
@param importVolume If the task is for importing a volume, this contains information about the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportVolume",
"getterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the import volume task.</p>*/
@return If the task is for importing a volume, this contains information about the import volume task.
*/",
"getterMethodName" : "getImportVolume",
"getterModel" : {
"returnType" : "ImportVolumeTaskDetails",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportVolume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importVolume",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportVolume",
"setterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the import volume task.</p>*/
@param importVolume If the task is for importing a volume, this contains information about the import volume task.
*/",
"setterMethodName" : "setImportVolume",
"setterModel" : {
"variableDeclarationType" : "ImportVolumeTaskDetails",
"variableName" : "importVolume",
"variableType" : "ImportVolumeTaskDetails",
"documentation" : "",
"simpleType" : "ImportVolumeTaskDetails",
"variableSetterType" : "ImportVolumeTaskDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>If the task is for importing a volume, this contains information about the import volume task.
@param importVolume If the task is for importing a volume, this contains information about the import volume task.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "ImportVolumeTaskDetails",
        "variableName" : "importVolume",
        "variableType" : "ImportVolumeTaskDetails",
        "documentation" : "<p>If the task is for importing a volume, this contains information about the import volume task.</p>",
        "simpleType" : "ImportVolumeTaskDetails",
        "variableSetterType" : "ImportVolumeTaskDetails"
    },
    "xmlNameSpaceUri" : null,
},
{
    "c2jName" : "State",
    "c2jShape" : "ConversionTaskState",
    "deprecated" : false,
    "documentation" : "<p>The state of the conversion task.</p>",
    "enumType" : "ConversionTaskState",
    "fluentSetterDocumentation" : "/**<p>The state of the conversion task.</p>
@param state The state of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.
@see ConversionTaskState*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The state of the conversion task.</p>
@return The state of the conversion task.
@see ConversionTaskState*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StatusMessage",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "statusMessage",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**<p>The status message related to the conversion task.\n\n@param statusMessage The status message related to the conversion task.*/\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setStatusMessage",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "statusMessage",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The status message related to the conversion task.\n\n@param statusMessage The status message related to the conversion task.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "statusMessage",
  "variableType": "String",
  "documentation": "<p>The status message related to the conversion task.\n\n\nsimpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Tags",
"c2jShape": "TagList",
"deprecated": false,
"documentation": "<p>Any tags assigned to the task.\n\n\nenumType": null,"
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the task.<n>\n@tags Any tags assigned to the task.\n@return Returns a reference to this object so that method calls can be chained together.</n>*\"",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the task.<n>\n@return Any tags assigned to the task.</n>*\"",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnValue" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@member \n@return Returns a reference to this object so that method calls can be chained together.</n>*\"",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
}
,"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/** <p>Any tags assigned to the task.</p>
@<param name="tags" type="java.util.List<Tag>"/>
*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Any tags assigned to the task.</p>
@<param name="tags" type="java.util.Collection<Tag>"/>
*/
*/
NOTES:
 This method appends the values to the existing list (if any). Use @link #<param name="tags" type="java.util.Collection"/>
@link #withTags(java.util.Collection) if you want to override the existing values.

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the task.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ConversionTaskId" : {
  "c2jName" : "ConversionTaskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the conversion task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The ID of the conversion task.</p>
@<param name="conversionTaskId" type="String"/>
*/
*/
return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "withConversionTaskId",
  "getterDocumentation" : "/** <p>The ID of the conversion task.</p>
@<param name="conversionTaskId" type="String"/>
*/
*/
return Returns a reference to this object so that method calls can be chained together.
",
  "getterMethodName" : "getConversionTaskId",
  "getterModel" : {
    "returnType" : "String",
"Open Source Used In Virtualized Voice Browser 12.6(1)  20049"}
"setterDocumentation": "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setConversionTaskId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "conversionTaskId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the conversion task.</p>
@param conversionTaskId The ID of the conversion task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "conversionTaskId",
"variableType": "String",
"documentation": "<p>The ID of the conversion task.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"ExpirationTime" : {
    "c2jName" : "ExpirationTime",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    @param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    @return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "withExpirationTime",
    "getterDocumentation" : "The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    @return The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    "getterMethodName" : "getExpirationTime",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ExpirationTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "expirationTime",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ExpirationTime",
    "setterDocumentation" : "The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    @param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
    "setterMethodName" : "setExpirationTime",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "expirationTime"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>
@param expirationTime The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "expirationTime",
"variableType" : "String",
"documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImportInstance" : {
"c2jName" : "ImportInstance",
"c2jShape" : "ImportInstanceTaskDetails",
"deprecated" : false,
"documentation" : "<p>If the task is for importing an instance, this contains information about the import instance task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>
@param importInstance If the task is for importing an instance, this contains information about the import instance task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportInstance",
"getterDocumentation" : "/**<p>If the task is for importing an instance, this contains information about the import instance task.</p>
@return If the task is for importing an instance, this contains information about the import instance task.*/",
"getterMethodName" : "getImportInstance",
"getterModel" : {
"returnType" : "ImportInstanceTaskDetails",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportInstance",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importInstance",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportInstance",
"setterDocumentation" : "/**
*pIf the task is for importing an instance, this contains information about the import instance task.<p/>
*param importInstance If the task is for importing an instance, this contains information about the import instance task.*p*/
",
"setterMethodName" : "setImportInstance",
"setterModel" : {
"variableDeclarationType" : "ImportInstanceTaskDetails",
"variableName" : "importInstance",
"variableType" : "ImportInstanceTaskDetails",
"documentation" : "",
"simpleType" : "ImportInstanceTaskDetails",
"variableSetterType" : "ImportInstanceTaskDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**
*pIf the task is for importing an instance, this contains information about the import instance task.<p/>
*param importInstance If the task is for importing an instance, this contains information about the import instance task.<p/>
@return Returns a reference to this object so that method calls can be chained together.*p*/
",
"variable" : {
"variableDeclarationType" : "ImportInstanceTaskDetails",
"variableName" : "importInstance",
"variableType" : "ImportInstanceTaskDetails",
"documentation" : "<p> If the task is for importing an instance, this contains information about the import instance task. </p>",
"simpleType" : "ImportInstanceTaskDetails",
"variableSetterType" : "ImportInstanceTaskDetails"
},
"xmlNameSpaceUri" : null
},
"ImportVolume" : {
"c2jName" : "ImportVolume",
"c2jShape" : "ImportVolumeTaskDetails",
"deprecated" : false,
"documentation" : "<p> If the task is for importing a volume, this contains information about the import volume task. </p>",
"simpleType" : "ImportVolumeTaskDetails",
"variableSetterType" : "ImportVolumeTaskDetails"
},
"xmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**\n * If the task is for importing a volume, this contains information about the import volume task.\n */\n @param importVolume If the task is for importing a volume, this contains information about the import volume task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImportVolume",
"getterDocumentation": "/**\n * If the task is for importing a volume, this contains information about the import volume task.\n */\n @param importVolume If the task is for importing a volume, this contains information about the import volume task.\n@return If the task is for importing a volume, this contains information about the import volume task.*/",
"getterMethodName": "getImportVolume",
"getterModel": {
"returnType": "ImportVolumeTaskDetails",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImportVolume",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "importVolume",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImportVolume",
"setterDocumentation": "/**\n * If the task is for importing a volume, this contains information about the import volume task.\n */\n @param importVolume If the task is for importing a volume, this contains information about the import volume task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setImportVolume",
"setterModel": {
"variableDeclarationType": "ImportVolumeTaskDetails",
"variableName": "importVolume",
"variableType": "ImportVolumeTaskDetails",
"documentation": "",
"simpleType": "ImportVolumeTaskDetails",
"variableSetterType": "ImportVolumeTaskDetails"
},
"simple": false,
"varargSetterDocumentation" : "/**\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ImportVolumeTaskDetails",
    "variableName" : "importVolume",
    "variableType" : "ImportVolumeTaskDetails",
    "documentation" : "If the task is for importing a volume, this contains information about the import volume task.
\n@param importVolume If the task is for importing a volume, this contains information about the import volume task.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "ImportVolumeTaskDetails",
    "variableSetterType" : "ImportVolumeTaskDetails"
},
"xmlNameSpaceUri" : null
},
"State" : {
    "c2jName" : "State",
    "c2jShape" : "ConversionTaskState",
    "deprecated" : false,
    "documentation" : "The state of the conversion task.
\n@param state The state of the conversion task.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/**\nThe state of the conversion task.
\n@param state The state of the conversion task.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "The state of the conversion task.
\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n<p>The state of the conversion task.</p>
@param state The state of the conversion task.\n@see ConversionTaskState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The state of the conversion task.</p>
@param state The state of the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ConversionTaskState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the conversion task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
  "c2jName" : "StatusMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status message related to the conversion task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The status message related to the conversion task.</p>
@param statusMessage The status message related to the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**\n<p>The status message related to the conversion task.</p>
@return The status message related to the conversion task.*/",
  "getterMethodName" : "getStatusMessage",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@param
statusMessage The status message related to the conversion task.*/*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status message related to the conversion task.</p>
@param
statusMessage The status message related to the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "<p>The status message related to the conversion task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n<p>Any tags assigned to the task.</p>\n@param tags Any tags assigned to the task.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTags",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the task.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>\n@param tags Any tags assigned to the task.<p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the task.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "ConversionTaskId", "State" ],
"shapeName" : "ConversionTask",
"unmarshaller" : {

"flattened" : false,
"resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ConversionTask",
"variableName" : "conversionTask",
"variableType" : "com.amazonaws.services.iot.model.ConversionTask",
"documentation" : "A conversion task.

<p>Any tags assigned to the task.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<b>setTags</b>(java.util.Collection)} or {<b>withTags</b>(java.util.Collection)} if you want to override the existing values.</p>\n
@param tags Any tags assigned to the task.

@return Returns a reference to this object so that method calls can be chained together.*/
"setterDocumentation" : "/**\n<p>Any tags assigned to the task.</p>\n@param tags Any tags assigned to the task.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTags",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the task.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<b>setTags</b>(java.util.Collection)} or {<b>withTags</b>(java.util.Collection)} if you want to override the existing values.</p>\n
@param tags Any tags assigned to the task.

@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the task.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "ConversionTaskId", "State" ],
"shapeName" : "ConversionTask",
"unmarshaller" : {

"flattened" : false,
"resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ConversionTask",
"variableName" : "conversionTask",
"variableType" : "ConversionTask",
"documentation" : null,
"simpleType" : "ConversionTask",
"variableSetterType" : "ConversionTask"
},
"wrapper" : false
},
"ConversionTaskState" : {
"c2jName" : "ConversionTaskState",
"customization" : {
   "artificialResultWrapper" : null,
   "skipGeneratingMarshaller" : false,
   "skipGeneratingModelClass" : false,
   "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
   "name" : "Active",
   "value" : "active"
}, {
   "name" : "Cancelling",
   "value" : "cancelling"
}, {
   "name" : "Cancelled",
   "value" : "cancelled"
}, {
   "name" : "Completed",
   "value" : "completed"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ConversionTaskState",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "Documentation" : "",
   "name" : "Cancelling",
   "value" : "cancelling"
}];
"variableDeclarationType" : "ConversionTaskState",
"variableName" : "conversionTaskState",
"variableType" : "ConversionTaskState",
"documentation" : null,
"simpleType" : "ConversionTaskState",
"variableSetterType" : "ConversionTaskState"
},
"wrapper" : false
},
"CopyImageRequest" : {
  "c2jName" : "CopyImageRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CopyImage.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CopyImage",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : []
},
"param sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*"/
  "FluentSetterMethodName" : "withSourceRegion",
  "getterDocumentation" : "/**<p>The name of the region that contains the AMI to copy.</p>
@return The name of the region that contains the AMI to copy.*/",
  "getterMethodName" : "getSourceRegion",
  "getterModel" : {
    "returnType" : "String",

"documentation": null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SourceRegion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SourceRegion",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SourceRegion",
"setterDocumentation": "/**<p>The name of the region that contains the AMI to copy.</p>
@param
sourceRegion The name of the region that contains the AMI to copy.*"",
"setterMethodName": "setSourceRegion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "sourceRegion",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the region that contains the AMI to copy.</p>
@param
sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceRegion",
  "variableType": "String",
  "documentation": "<p>The name of the region that contains the AMI to copy.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
"c2jName" : "SourceImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI to copy.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withSourceImageId",
"getterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@return The ID of the AMI to copy.
*/",
"getterMethodName" : "getSourceImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceImageId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceImageId",
"setterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
*/",
"setterMethodName" : "setSourceImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
*/"
AMI to copy.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceImageId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the AMI to copy.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the new AMI in the destination region.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\*<p>The name of the new AMI in the destination region.</p>\*/
@param name The name of the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/\*\*<p>The name of the new AMI in the destination region.</p>\*/

"getterMethodName" : "getName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Name",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Name",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"returnModel" : {"returnType" : "String"}
"setterDocumentation" : "/**\n  * The name of the new AMI in the destination region.
  *\n  * @param name The name of the new AMI in the destination region.*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n  * The name of the new AMI in the destination region.
  *\n  * @param name The name of the new AMI in the destination region.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The name of the new AMI in the destination region.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the new AMI in the destination region.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n  * A description for the new AMI in the destination region.
  *\n  * @param description A description for the new AMI in the destination region.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**\n  * A description for the new AMI in the destination region.
  *\n  * @return A description for the new AMI in the destination region.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the new AMI in the destination region.
@param description A description for the new AMI in the destination region.</p>*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the new AMI in the destination region.
@param description A description for the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the new AMI in the destination region.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of"
the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```java
/**
 * Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 */

public void runInstanceRequestWithClientToken(String clientToken) {
    // ...
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</p>
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a
Amazon EBS Encryption in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@returns Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Encrypted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "encrypted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
Encryption</a> in the<i> Amazon Elastic Compute Cloud User Guide</i>.*/

```
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the<i> Amazon Elastic Compute Cloud User Guide</i>.</p>/param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the<i> Amazon Elastic Compute Cloud User Guide</i>.

@<p>Returns a reference to this object so that method calls can be chained together.*/

```

```
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the<i> Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KmsKeyId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1</code>:<i>i</i>:<i>i</i>:012345678910:<i>i</i>:key:<i>i</i>:abc1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.\n@\param KmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.\n@\return Returns a reference to this object so that method calls can be chained together.*\*/", "fluentSetterMethodName" : "withKmsKeyId", "getterDocumentation" : "/**\p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.\n@\return The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.\n@\return The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*\*/", "getterMethodName" : "getKmsKeyId", "getterModel" : { "returnType" : "String", "documentation" : null }, "http" : { "additionalMarshallingPath" : null, "additionalUnmarshallingPath" : null, "flattened" : false, "greedy" : false, "header" : false, "isPayload" : false, "isStreaming" : false, "location" : null, "marshallLocationName" : "KmsKeyId", "queryString" : false, "uriParameter" : false }
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/",
"varargSetterMethodName" : "setArrayKmsKeyId"}
The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set. `@return` Returns a reference to this object so that method calls can be chained together. */

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.

  
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

  
"enumType" : null,
  "fluentSetterDocumentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

  
"getterDocumentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.

  
"getterModel" : {
"
```
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;
@return Returns a reference to this
*/

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;
@return Returns a reference to this
*/

"returnType" : "String",
"documentation" : null
}
object so that method calls can be chained together. */

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null,
}
"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the new AMI in the destination region.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
@param description A description for the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for the new AMI in the destination region.</p>
@return A description for the new AMI in the destination region.
*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Description",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : /*<p>A description for the new AMI in the destination region.</p>@param description A description for the new AMI in the destination region.*/
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*<p>A description for the new AMI in the destination region.</p>@param description A description for the new AMI in the destination region.@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the new AMI in the destination region.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : /*<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@returns Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "encrypted",
  "variableType" : "String",
  "documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
Encryption in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see Amazon EBS Encryption in the Amazon Elastic Compute Cloud User Guide.

@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see Amazon EBS Encryption.

**/
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param encrypted Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
  "c2jName" : "KmsKeyId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678901</i>:<code>key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>"",
  "enumType" : null,
The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

@return The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

@return Returns a reference to this object so that method calls can be chained together.

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:i-012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>*/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:i-012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/";
"setterMethodId" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:i-012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/";
"setterMethodId" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:i-012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/";
"setterMethodId" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:i-012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/";
The specified CMK must exist in the region that the snapshot is being copied to. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.

```java
@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>

  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the new AMI in the destination region.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>\n@returns Returns a reference to this object so that method calls can be chained together.</**",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>The name of the new AMI in the destination region.</p>\n@returns Returns a reference to this object so that method calls can be chained together.</**",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
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"statusCode": false,
"unmarshallLocationName": "Name",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Name",
"setterDocumentation": "/**<p>The name of the new AMI in the destination region.</p>
@param name The name of the new AMI in the destination region.*/",
"setterMethodName": "setName",
"setterModel": {
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"variableName": "name",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the new AMI in the destination region.</p>
@param name The name of the new AMI in the destination region.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "String",
"documentation": "<p>The name of the new AMI in the destination region.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SourceImageId": {
"c2jName": "SourceImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the AMI to copy.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"fluentSetterDocumentation": "/**<p>The ID of the AMI to copy.</p>
@param sourceImageId The ID of the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSourceImageId",
"getterDocumentation": "/**<p>The ID of the AMI to copy.</p>
@return The ID of the AMI to copy.*/",
"getterMethodName": "getSourceImageId",
"getterModel": {
"returnType": "String"}
"documentation" : null,
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceImageId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceImageId",
"setterDocumentation" : "/**
"param sourceImageId The ID of the AMI to copy.
"return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
"param sourceImageId The ID of the AMI to copy.
"return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceImageId",
  "variableType" : "String",
  "documentation" : ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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},
"SourceRegion" : {
"c2jName" : "SourceRegion",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the region that contains the AMI to copy.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\*\*<p>The name of the region that contains the AMI to copy.<\p>\n@\param sourceRegion The name of the region that contains the AMI to copy.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withSourceRegion",
"getterDocumentation" : "/*\*\*<p>The name of the region that contains the AMI to copy.<\p>\n@\return The name of the region that contains the AMI to copy.\*/",
"getterMethodName" : "getSourceRegion",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceRegion",
"setterDocumentation" : "/*\*\*<p>The name of the region that contains the AMI to copy.<\p>\n@\param sourceRegion The name of the region that contains the AMI to copy.\*/",
"setterMethodName" : "setSourceRegion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceRegion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "<p>The name of the region that contains the AMI to copy.</p>
@param sourceRegion The name of the region that contains the AMI to copy.
@return Returns a reference to this object so that method calls can be chained together.",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceRegion",
  "variableType": "String",
  "documentation": "<p>The name of the region that contains the AMI to copy.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "SourceRegion", "SourceImageId", "Name" ],
"shapeName": "CopyImageRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "CopyImageRequest",
  "variableName": "copyImageRequest",
  "variableType": "CopyImageRequest",
  "documentation": null,
  "simpleType": "CopyImageRequest",
  "variableSetterType": "CopyImageRequest"
},
"wrapper": false,
"CopyImageResult": {
  "c2jName": "CopyImageResult",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CopyImage.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ 

"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\n* The ID of the new AMI.

* @param imageId The ID of the new AMI.

* @return Returns a reference to this object so that method calls can be chained together.
\n*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**\n\n* The ID of the new AMI.

* @return The ID of the new AMI.
\n*/",
"getterMethodName" : "getImageId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
} ,
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**\n\n* The ID of the new AMI.

* @param imageId The ID of the new AMI.

* @return Returns a reference to this object so that method calls can be chained together.
\n*/",
"setterMethodName" : "setImageId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n* The ID of the new AMI.

* @param imageId The ID of the new AMI.

* @return Returns a reference to this object so that method calls can be chained together.
\n*/",
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new AMI.</p>",
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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,"membersAsMap" : {
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    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the new AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the new AMI.</p>
    @param imageId The ID of the new AMI.
    @return Returns a reference to this object so that method calls can be chained together.
    */",
    "fluentSetterMethodName" : "withImageId",
    "getterDocumentation" : "/**<p>The ID of the new AMI.</p>
    @return The ID of the new AMI.
    */",
    "getterMethodName" : "getImageId",
    "getterModel" : {
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      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "imageId",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
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    "map" : false,
    "mapModel" : null,
    "name" : "ImageId",
    "setterDocumentation" : "/**<p>The ID of the new AMI.</p>
    @param imageId The ID of the new AMI.
    */",
    "setterMethodName" : "setImageId"
  }
}
"setterMethodName": "setImageId",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "imageId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": ""/**\n// @param imageId The ID of the new AMI.

\*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "imageId",
    "variableType": "String",
    "documentation": "The ID of the new AMI.",
    "simpleType": "String",
    "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
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    "variableType": "CopyImageResult",
    "documentation": null,
    "simpleType": "CopyImageResult",
    "variableSetterType": "CopyImageResult"
},
"wrapper": false
},
"CopySnapshotRequest": {
    "c2jName": "CopySnapshotRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CopySnapshot.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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   "locationName" : null,
   "requestUri" : "/",
   "target" : null,
   "verb" : "POST",
   "xmlNameSpaceUri" : null
},
"members" : [
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      "c2jName" : "SourceRegion",
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      "deprecated" : false,
      "documentation" : "<p>The ID of the region that contains the snapshot to be copied.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withSourceRegion",
      "getterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
@return The ID of the region that contains the snapshot to be copied.*/",
      "getterMethodName" : "getSourceRegion",
      "getterModel" : {
         "returnType" : "String",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "SourceRegion",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "SourceRegion",
         "uri" : false
      }
   }
]}
{"idempotencyToken":false,"list":false,"listModel":null,"map":false,"mapModel":null,"name":"SourceRegion","setterDocumentation":"/**\n<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.*\n*/","setterMethodName":"setSourceRegion","setterModel":{
    "variableDeclarationType":"String",
    "variableName":"sourceRegion",
    "variableType":"String",
    "documentation":"
    "simple":true,
    "variableSetterType":"String"},
    "simple":true,
    "varargSetterDocumentation":"/**\n<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.
@return Returns a reference to this object so that method calls can be chained together.*\n*/","variable":{
    "variableDeclarationType":"String",
    "variableName":"sourceRegion",
    "variableType":"String",
    "documentation":"<p>The ID of the region that contains the snapshot to be copied.</p>
    "simple":true,
    "variableSetterType":"String"},
    "xmlNameSpaceUri":null},
"c2jName":"SourceSnapshotId",
"c2jShape":"String",
"deprecated":false,
"documentation":"<p>The ID of the EBS snapshot to copy.</p>
    "simple":false,
    "documentation":
    "enumType":null,
    "fluentSetterDocumentation":"/**\n<p>The ID of the EBS snapshot to copy.</p>
    "simple":false,
    "documentation":null,
    "fluentSetterMethodName":"withSourceSnapshotId",
    "getterDocumentation":"/**\n<p>The ID of the EBS snapshot to copy.</p>
    "getterModel":{
    "returnType":"String",
    "documentation":null}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSnapshotId",
"setterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.</p>*/",
"setterMethodName" : "setSourceSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSnapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSnapshotId",
  "variableType" : "String",
  "documentation" : ""<p>The ID of the EBS snapshot to copy.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;A description for the EBS snapshot.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;A description for the EBS snapshot.&lt;/p&gt;&lt;pre&gt;&lt;code&gt;
@returns A description for the EBS snapshot.&lt;/code&gt;&lt;/pre&gt;",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**&lt;p&gt;A description for the EBS snapshot.&lt;/p&gt;&lt;pre&gt;&lt;code&gt;
@return A description for the EBS snapshot.&lt;/code&gt;&lt;/pre&gt;",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**&lt;p&gt;A description for the EBS snapshot.&lt;/p&gt;&lt;pre&gt;&lt;code&gt;
@returns A description for the EBS snapshot.&lt;/code&gt;&lt;/pre&gt;",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;A description for the EBS snapshot.&lt;/p&gt;&lt;pre&gt;&lt;code&gt;
@returns A description for the EBS snapshot.&lt;/code&gt;&lt;/pre&gt;",
"returns" : A description for the EBS snapshot.
"simple" : true,
description for the EBS snapshot.

```
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description for the EBS snapshot.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
};
"c2jName" : "DestinationRegion",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.\</p> <note>\p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).\p> </note>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.\p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).\p> </note>@param destinationRegion The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.\p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).\p> </note>@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withDestinationRegion",
"getterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.\p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).\p> </note>@return The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.\p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).\p> */

"getterMethodName" : "getDestinationRegion",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationRegion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationRegion",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationRegion",
"setterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> 

**note** 

CopySnapshot sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file). 

*/

@<param destinationRegion The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.*/

CopySnapshot sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).*/

setterMethodName" : "setDestinationRegion",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "destinationRegion",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> 

*/"
the snapshot copy to the regional endpoint that you send the HTTP request to, such as `<code>ec2.us-east-1.amazonaws.com</code>` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). 

```java
@note
@param destinationRegion
The destination region to use in the `<code>PresignedUrl</code>` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a `<code>PresignedUrl</code>` parameter, where it is required.

```java
</note>

```java
</p><note>
CopySnapshot sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as `<code>ec2.us-east-1.amazonaws.com</code>` (in the AWS CLI, this is specified with the `<code>--region</code>` parameter or the default region in your AWS configuration file). 

```java
@note
@return
Returns a reference to this object so that method calls can be chained together.*

```

```java

```java
}
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```
An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.

@return Returns a reference to this object so that method calls can be chained together.

/* */

"getterMethodName" : "getPresignedUrl",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
The pre-singed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `PresignedUrl` should use the snapshot source endpoint, the `CopySnapshot` action, and include the `SourceRegion`, `SourceSnapshotId`, and `DestinationRegion` parameters. The `PresignedUrl` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in [Authenticating Requests by Using Query Parameters (AWS Signature Version 4)](http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html) in the Amazon Simple Storage Service API Reference. An invalid or improperly signed `PresignedUrl` will cause the copy operation to fail asynchronously, and the snapshot will move to an `error` state.

```
@param presignedUrl The pre-singed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `PresignedUrl` should use the snapshot source endpoint, the `CopySnapshot` action, and include the `SourceRegion`, `SourceSnapshotId`, and `DestinationRegion` parameters. The `PresignedUrl` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in [Authenticating Requests by Using Query Parameters (AWS Signature Version 4)](http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html) in the Amazon Simple Storage Service API Reference. An invalid or improperly signed `PresignedUrl` will cause the copy operation to fail asynchronously, and the snapshot will move to an `error` state.*"*/
```
<code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```java
@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API Reference. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

@return Returns a reference to this object so that method calls can be chained together.*"}/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "presignedUrl",
  "variableType" : "String",
  "documentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API Reference. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state."

```
```
"fluentSetterDocumentation" : "/**<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n</p>\n@param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Encrypted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "encrypted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Encrypted",
"setterDocumentation": "/**
<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</p>
@param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEncrypted",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "encrypted",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</p>
@param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "encrypted",
  "variableType": "Boolean",
  "documentation": "Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</param>
@return Returns a reference to this object so that method calls can be chained together.*/
"variable": {"variableDeclarationType": "Boolean",
  "variableName": "encrypted",
  "variableType": "Boolean",
  "documentation": "Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.*/"}
Encryption in the Amazon Elastic Compute Cloud User Guide.

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, and then the CMK ID. For example, arn:aws:kms::<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>

The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
@n@return Returns a reference to this object so that method calls can be chained together.

The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, and then the CMK ID. For example, arn:aws:kms::<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>

The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```
<code>Encrypted</code> flag must also be set.*"/

"getterMethodName" : "getKmsKeyId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KmsKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kmsKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to
use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this
parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code>
namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code>
namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.</p>\n@param kmsKeyId The full ARN of the AWS Key
Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if
you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN
contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of
the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-
1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist
in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the
<code>Encrypted</code> flag must also be set.*"/

"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:abc1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/ <p>@n@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:abc1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

return

Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "kmsKeyId",
"variableType" : "String",
"documentation" : "/p>A description for the EBS snapshot.

/**\</p>
"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "/**\p>A description for the EBS snapshot.*/\n
return A description for the EBS snapshot.*/"};
snapshot.*",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Description",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Description",
    "setterDocumentation" : "/**<p>A description for the EBS snapshot.</p>
    @param description A description for the EBS snapshot.</p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setDescription",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "",
        "variableType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargsSetterDocumentation" : "/**<p>A description for the EBS snapshot.</p>
    @param description A description for the EBS snapshot.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "<p>A description for the EBS snapshot.</p>",
        "simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"DestinationRegion" : {
  "c2jName" : "DestinationRegion",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>
@<p>GetDestinationRegion</p> <p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDestinationRegion",
  "getterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>
@return The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).</p> </note>
"getterMethodName" : "getDestinationRegion",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationRegion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationRegion",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationRegion",
"setterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code>(in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file). </p> </note>
@param destinationRegion The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code>(in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).
</p> */",
"setterMethodName" : "setDestinationRegion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationRegion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code>(in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file). </p> </note>
@param destinationRegion The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.
</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code>(in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file).
</p> */"
region</code> parameter or the default region in your AWS configuration file).</p>

```java
public void copySnapshot(String sourceRegion, String destinationRegion, boolean encrypted) {
    // Copy the snapshot using the source region and destination region.
    // Check if the destination region is specified.
    // Create a presigned URL for the destination region.
    // Specify the encryption flag.
    // Return a reference for chaining.
}
```

Notes:
- The destination region parameter is only valid for specifying the destination region in a snapshot copy operation.
- The presigned URL parameter can be used to copy the snapshot to the regional endpoint that you send the HTTP request to.

Reference:
- Amazon EBS Encryption in the Amazon Elastic Compute Cloud User Guide.
destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```java
getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p/>
</a>@param encrypted Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Returns a reference to this object so that method calls can be chained together.*"*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : <p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
},

"simpleType" : "Boolean",
"variableSetterType" : "Boolean",

"xmlNameSpaceUri" : null
},

"KmsKeyId" : {
  "c2jName" : "KmsKeyId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>/<i>abcd1234-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
"enumType" : null,

"fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default
CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

```java
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.
@return Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "/**
<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
```
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/
@return Returns a reference to this object so that method calls can

"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/
@return Returns a reference to this object so that method calls can
be chained together.*"/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>"",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"PresignedUrl" : {
    "c2jName" : "PresignedUrl",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.</p>

@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.</p>\n\n@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.\n\n@ln<pre><code><i>Open Source Used In Virtualized Voice Browser 12.6(1)  20113</code></i></pre>
parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API Reference. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.\n
@*$\n
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withPresignedUrl",

"getterDocumentation" : "**p**The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API Reference. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.\n
@return The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The `<code>PresignedUrl</code>` should use the snapshot source endpoint, the `<code>CopySnapshot</code>` action, and include the `<code>SourceRegion</code>`, `<code>SourceSnapshotId</code>`, and `<code>DestinationRegion</code>` parameters. The `<code>PresignedUrl</code>` must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in the Amazon Simple Storage Service API Reference. An invalid or improperly signed `<code>PresignedUrl</code>` will cause the copy operation to fail asynchronously, and the snapshot will move to an `<code>error</code>` state.*/

"getterMethodName" : "getPresignedUrl",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PresignedUrl",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "presignedUrl",
    "uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PresignedUrl",
"setterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>CopySnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state."
@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.*/

"setterMethodName" : "setPresignedUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "presignedUrl",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>CopySnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.*/"
asynchronously, and the snapshot will move to an <code>error</code> state.

```java
@param presignedUrl The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceRegion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceRegion",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceRegion",
"setterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.</p>*/",

"setterMethodName" : "setSourceRegion",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceRegion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The ID of the region that contains the snapshot to be copied.</p>
@param sourceRegion The ID of the region that contains the snapshot to be copied.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceRegion",
  "variableType" : "String",
  "documentation" : "<p>The ID of the region that contains the snapshot to be copied.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"SourceSnapshotId" : {

"c2jName" : "SourceSnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot to copy.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@return The ID of the EBS snapshot to copy.*/",
"getterMethodName" : "getSourceSnapshotId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSnapshotId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSnapshotId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSnapshotId",
"setterDocumentation" : "/**<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId The ID of the EBS snapshot to copy.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSnapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}}
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the EBS snapshot to copy.</p>
@param sourceSnapshotId
The ID of the EBS snapshot to copy.
@return Returns a reference to this object so that method calls can be chained together.",&

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSnapshotId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the EBS snapshot to copy.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SourceRegion", "SourceSnapshotId" ],
"shapeName" : "CopySnapshotRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "CopySnapshotRequest",
    "variableName" : "copySnapshotRequest",
    "variableType" : "CopySnapshotRequest",
    "documentation" : null,
    "simpleType" : "CopySnapshotRequest",
    "variableSetterType" : "CopySnapshotRequest"
},
"wrapper" : false
},
"CopySnapshotResult" : {
    "c2jName" : "CopySnapshotResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of CopySnapshot.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "type" : "CopySnapshotResult",
        "name" : "sourceSnapshotId",
        "documentation" : "<p>The ID of the EBS snapshot to copy.</p>",
        "required" : false,
        "simpleType" : "String",
        "variableSetterType" : "String"
    } ],
    "xmlNameSpaceUri" : null
}
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new snapshot.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the new snapshot.</p><p>@return The ID of the new snapshot.</p>*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the new snapshot.</p><p>@param snapshotId The ID of the new snapshot.</p>*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new snapshot.</p><p>@param snapshotId The ID of the
new snapshot

@return Returns a reference to this object so that method calls can be chained together.*"/",
        "variable" : {
            "variableDeclarationType" : "String",
            "variableName" : "snapshotId",
            "variableType" : "String",
            "documentation" : "<p>The ID of the new snapshot.</p>",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "xmlnsSpaceUri" : null
    },
    "membersAsMap" : {
        "SnapshotId" : {
            "c2jName" : "SnapshotId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the new snapshot.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the new snapshot.</p>
@<p>\n@param snapshotId The ID of the new snapshot.</p>\n@<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "fluentSetterMethodName" : "withSnapshotId",
            "getterDocumentation" : "/**<p>The ID of the new snapshot.</p>
@<p>\n@return The ID of the new snapshot.</p>*/",
            "getterMethodName" : "getSnapshotId",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
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                "marshallLocationName" : "SnapshotId",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "snapshotId",
                "uri" : false
            },
            "idempotencyToken" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "name" : "SnapshotId"}
"setterDocumentation" : "/**\n * The ID of the new snapshot.
 */\n @param snapshotId The ID of the new snapshot.
",
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  "documentation" : "The ID of the new snapshot.",
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"requestSignerAware" : false,
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"required" : null,
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  "resultWrapper" : null
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  "variableType" : "CopySnapshotResult",
  "documentation" : null,
  "simpleType" : "CopySnapshotResult",
  "variableSetterType" : "CopySnapshotResult"
},
"wrapper" : false
},
"CreateCustomerGatewayRequest" : {
  "c2jName" : "CreateCustomerGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    
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 */\n @param snapshotId The ID of the new snapshot.
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableType" : "String",
  "documentation" : "The ID of the new snapshot.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "CopySnapshotResult",
  "documentation" : null,
  "simpleType" : "CopySnapshotResult",
  "variableSetterType" : "CopySnapshotResult"
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        "skipGeneratingMarshaller" : false,
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            "artificialResultWrapper" : null,
            "skipGeneratingMarshaller" : false,
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"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "\<p\>Contains the parameters for CreateCustomerGateway.\</p\>\",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [ {
"c2jName" : "Type",
"c2jShape" : "GatewayType",
"deprecated" : false,
"documentation" : "\<p\>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\</p\>\",
"enumType" : "GatewayType",
"fluentSetterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\</p>\n\@param type The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\n\@return Returns a reference to this object so that method calls can be chained together.\n\@see GatewayType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\n\@return The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).\n\@see GatewayType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"uri": false
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"list": false,
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"name": "Type",
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@param type The type of VPN connection that this customer gateway supports
<code>ipsec.1</code>.
@see GatewayType*/",
"setterMethodName": "setType",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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<code>ipsec.1</code>.</p>
@param type The type of VPN connection that this customer gateway supports
<code>ipsec.1</code>.
@return Returns a reference to this object so that method calls can be chained
together.
@see GatewayType*/",
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  "variableType": "String",
  "documentation": "<p>The type of VPN connection that this customer gateway supports
<code>ipsec.1</code>.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>
@param publicIp The Internet-routable IP address for the customer
gateway's outside interface. The address must be static. \n @return Returns a reference to this object so that method calls can be chained together. */
        "fluentSetterMethodName" : "withPublicIp",
        "getterDocumentation" : "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n @return The Internet-routable IP address for the customer gateway's outside interface. The address must be static.*/",
        "getterMethodName" : "getPublicIp",
        "getterModel" : {
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            "documentation" : null
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            "greedy" : false,
            "header" : false,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "IpAddress",
            "uri" : false
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        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "PublicIp",
        "setterDocumentation" : "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n @param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.*/",
        "setterMethodName" : "setPublicIp",
        "setterModel" : {
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            "variableName" : "publicIp",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "simple" : true,
        "vargSetterDocumentation" : "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n @param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.\n @return Returns a reference to this object so that method
calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The Internet-routable IP address for the customer gateway's outside interface. The
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "BgpAsn",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "For devices that support BGP, the customer gateway's BGP ASN.
<p>Default: 65000</p>",
"enumType" : null,
"fluentSetterDocumentation" : "For devices that support BGP, the customer gateway's BGP ASN.
<p>Default: 65000</p>
@param bgpAsn For devices that support BGP, the customer gateway's BGP ASN.
@return For devices that support BGP, the customer gateway's BGP ASN."
return For devices that support BGP, the customer gateway's BGP ASN.
"getterMethodName" : "getBgpAsn",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BgpAsn",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
**BgpAsn**

For devices that support BGP, the customer gateway's BGP ASN.

Default: 65000

@returns {Object} Returns a reference to this object so that method calls can be chained together.

**withBgpAsn**

For devices that support BGP, the customer gateway's BGP ASN.

@returns {Object} Returns a reference to this object so that method calls can be chained together.

**getBgpAsn**

For devices that support BGP, the customer gateway's BGP ASN.

@returns {Object} Returns a reference to this object so that method calls can be chained together.
"xmlns:NameSpaceUri": null
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"PublicIp": {
"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPublicIp",
"getterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@return The Internet-routable IP address for the customer gateway's outside interface. The address must be static.*/",
"getterMethodName": "getPublicIp",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "IpAddress",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
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"name": "PublicIp",
"setterDocumentation": "/**<p>The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>\n@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.*/",
"setterMethodName": "setPublicIp",
"setterModel": {
"variableDeclarationType" : "String",
"variableName" : "publicIp",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
The Internet-routable IP address for the customer gateway's outside interface. The address must be static.</p>
@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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@param publicIp The Internet-routable IP address for the customer gateway's outside interface. The address must be static.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"Type" : {
"c2jName" : "Type",
"c2jShape" : "GatewayType",
"deprecated" : false,
"documentation" : "<p>The type of VPN connection that this customer gateway supports</p>
/**
@param type The type of VPN connection that this customer gateway supports
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**
The type of VPN connection that this customer gateway supports
@return The type of VPN connection that this customer gateway supports
@see GatewayType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "Type",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**
<p>The type of VPN connection that this customer gateway supports</p>
@param type The type of VPN connection that this customer gateway supports

@see GatewayType*/",
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"setterModel" : {
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
<p>The type of VPN connection that this customer gateway supports</p>
@param type The type of VPN connection that this customer gateway supports

@see GatewayType*/",
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  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection that this customer gateway supports</p>

@see GatewayType*/",
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  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : [ "Type", "PublicIp", "BgpAsn" ],
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"unmarshaller": null,
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  "variableName": "createCustomerGatewayRequest",
  "variableType": "CreateCustomerGatewayRequest",
  "documentation": null,
  "simpleType": "CreateCustomerGatewayRequest",
  "variableSetterType": "CreateCustomerGatewayRequest"
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"wrapper": false
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"CreateCustomerGatewayResult": {
  "c2jName": "CreateCustomerGatewayResult",
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "<p>Contains the output of CreateCustomerGateway.</p>",
  "enums": null,
  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
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    "c2jShape": "CustomerGateway",
    "deprecated": false,
    "documentation": "<p>Information about the customer gateway.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withCustomerGateway",
    "getterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns Information about the customer gateway.*/",
    "getterMethodName": "getCustomerGateway",
    "getterModel": {
      "returnType": "CustomerGateway",
      "documentation": null
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      "artificialResultWrapper": null,
      "skipGeneratingMarshaller": false,
      "skipGeneratingModelClass": false,
      "skipGeneratingUnmarshaller": false
    }
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  "c2jName": "CreateCustomerGatewayRequest",
  "c2jShape": "CreateCustomerGatewayRequest",
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  "documentation": "<p>Contains the output of CreateCustomerGateway.</p>",
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  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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    "c2jShape": "CustomerGateway",
    "deprecated": false,
    "documentation": "<p>Information about the customer gateway.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withCustomerGateway",
    "getterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns Information about the customer gateway.*/",
    "getterMethodName": "getCustomerGateway",
    "getterModel": {
      "returnType": "CustomerGateway",
      "documentation": null
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    "http": {
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      "artificialResultWrapper": null,
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  "c2jShape": "CreateCustomerGatewayRequest",
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateCustomerGateway.</p>",
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    "enumType": null,
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@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withCustomerGateway",
    "getterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns Information about the customer gateway.*/",
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  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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    "enumType": null,
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@returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>Information about the customer gateway.</p>*/
@returns Information about the customer gateway.*/",
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      "artificialResultWrapper": null,
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      "skipGeneratingModelClass": false,
      "skipGeneratingUnmarshaller": false
    }
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  "c2jShape": "CreateCustomerGatewayRequest",
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"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "customerGateway",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CustomerGateway",
"setterDocumentation": "**Information about the customer gateway.**

*param customerGateway Information about the customer gateway.*\n
*return Returns a reference to this object so that method calls can be chained together.*",
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"setterModel": {
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  "variableName": "customerGateway",
  "variableType": "CustomerGateway",
  "documentation": "",
  "simpleType": "CustomerGateway",
  "variableSetterType": "CustomerGateway"
},
"simple": false,
"varargSetterDocumentation": "**Information about the customer gateway.**

*param customerGateway Information about the customer gateway.\n
*return Returns a reference to this object so that method calls can be chained together.*",
"variable": {
  "variableDeclarationType": "CustomerGateway",
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  "variableType": "CustomerGateway",
  "documentation": "Information about the customer gateway.\n
*param customerGateway Information about the customer gateway.\n
*return Returns a reference to this object so that method calls can be chained together.*",
  "simpleType": "CustomerGateway",
  "variableSetterType": "CustomerGateway"
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"xmlNameSpaceUri": null
}],
"membersAsMap": {
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    "c2jName": "CustomerGateway",
    "c2jName": "CustomerGateway",
    "c2jShape": "CustomerGateway",
    "customerGateway": {
      "c2jName": "CustomerGateway",
      "c2jShape": "CustomerGateway",
      "documentation": "Information about the customer gateway.\n
*param customerGateway Information about the customer gateway.\n
*return Returns a reference to this object so that method calls can be chained together.*",
      "simpleType": "CustomerGateway",
      "variableSetterType": "CustomerGateway"
    },
    "xmlNameSpaceUri": null
  }
}
"deprecated" : false,
"documentation" : "Information about the customer gateway.

"enumType" : null,
"fluentSetterDocumentation" : "Information about the customer gateway.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withCustomerGateway",
"getterDocumentation" : "Information about the customer gateway.

@returns Information about the customer gateway.

"getterMethodName" : "getCustomerGateway",
"getterModel" : {
  "returnType" : "CustomerGateway",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGateway",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "customerGateway",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGateway",
"setterDocumentation" : "Information about the customer gateway.

@returns Information about the customer gateway.

"setterMethodName" : "setCustomerGateway",
"setterModel" : {
  "variableDeclarationType" : "CustomerGateway",
  "variableName" : "customerGateway",
  "variableType" : "CustomerGateway",
  "documentation" : "",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
},
"simple" : false,
"varargSetterDocumentation" : "Information about the customer gateway."}
customerGateway Information about the customer gateway.\n\n@return Returns a reference to this object so that method calls can be chained together.*"",

    "variable" : {
        "variableDeclarationType" : "CustomerGateway",
        "variableName" : "customerGateway",
        "variableType" : "CustomerGateway",
        "documentation" : "<p>Information about the customer gateway.</p>",
        "simpleType" : "CustomerGateway",
        "variableSetterType" : "CustomerGateway"
    },
    "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateCustomerGatewayResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "CreateCustomerGatewayResult",
    "variableName" : "createCustomerGatewayResult",
    "variableType" : "CreateCustomerGatewayResult",
    "documentation" : null,
    "simpleType" : "CreateCustomerGatewayResult",
    "variableSetterType" : "CreateCustomerGatewayResult"
},
"wrapper" : false
},
"CreateDhcpOptionsRequest" : {
    "c2jName" : "CreateDhcpOptionsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateDhcpOptions.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "CreateDhcpOptionsRequest",
        "variableName" : "createDhcpOptionsRequest",
        "variableType" : "CreateDhcpOptionsRequest",
        "documentation" : null,
        "simpleType" : "CreateDhcpOptionsRequest",
        "variableSetterType" : "CreateDhcpOptionsRequest"
    },
    "wrapper" : false
}
"action" : "CreateDhcpOptions",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "DhcpConfigurations",
  "c2jShape" : "NewDhcpConfigurationList",
  "deprecated" : false,
  "documentation" : "<p>A DHCP configuration option.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A DHCP configuration option.</p>
  @param dhcpConfigurations A DHCP configuration option.
  @return Returns a reference to this object so that method calls can be chained together.<*/",
  "fluentSetterMethodName" : "withDhcpConfigurations",
  "getterDocumentation" : "/**<p>A DHCP configuration option.</p>
  @return A DHCP configuration option.
  */",
  "getterMethodName" : "getDhcpConfigurations",
  "getterModel" : {
    "returnType" : "java.util.List<DhcpConfiguration>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DhcpConfiguration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "dhcpConfiguration",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "DhcpConfiguration",
      "deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "DhcpConfiguration",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : "",
"simpleType" : "DhcpConfiguration",
"variableSetterType" : "DhcpConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : null,
"returnType" : "DhcpConfiguration",
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
"variableType" : "DhcpConfiguration",
"documentation" : ",
"simpleType" : "DhcpConfiguration",
"variableSetterType" : "DhcpConfiguration",

"xmlNameSpaceUri" : null,

"memberLocationName" : "item",
"memberType" : "DhcpConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>",

"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**<p>A DHCP configuration option.</p>
@param dhcpConfigurations A DHCP configuration option.*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : ",
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A DHCP configuration option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or @{link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpConfigurations A DHCP configuration option.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
  "variableName" : "dhcpConfigurations",
  "variableType" : "java.util.List<DhcpConfiguration>",
  "documentation" : "<p>A DHCP configuration option.</p>",
  "simpleType" : "List<DhcpConfiguration>",
  "variableSetterType" : "java.util.Collection<DhcpConfiguration>",
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "DhcpConfigurations" : {
    "c2jName" : "DhcpConfigurations",
    "c2jShape" : "NewDhcpConfigurationList",
    "deprecated" : false,
    "documentation" : "<p>A DHCP configuration option.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A DHCP configuration option.</p>
@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withDhcpConfigurations",
    "getterDocumentation" : "/**<p>A DHCP configuration option.</p>
@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "getterMethodName" : "getDhcpConfigurations",
    "getterModel" : {
      "returnType" : "java.util.List<DhcpConfiguration>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "DhcpConfiguration",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "dhcpConfiguration",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "DhcpConfiguration",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@member member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
      }
    }
  }
}
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "DhcpConfiguration",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member *\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : "",
"simpleType" : "DhcpConfiguration",
"variableSetterType" : "DhcpConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : "",
"simpleType" : "DhcpConfiguration",
"variableSetterType" : "DhcpConfiguration"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "DhcpConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>",
},
"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**<p>A DHCP configuration option.</p>
@param dhcpConfigurations A DHCP configuration option.*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>A DHCP configuration option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or {@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpConfigurations A DHCP configuration option.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "<p>A DHCP configuration option.</p>
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"xmlNameSpaceUri" : null
}
"shapeName" : "CreateDhcpOptionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateDhcpOptionsRequest",
  "variableName" : "createDhcpOptionsRequest",
  "variableType" : "CreateDhcpOptionsRequest",
  "documentation" : null,
  "simpleType" : "CreateDhcpOptionsRequest",
  "variableSetterType" : "CreateDhcpOptionsRequest"
},
"wrapper" : false
},
"CreateDhcpOptionsResult" : {
  "c2jName" : "CreateDhcpOptionsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateDhcpOptions.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "DhcpOptions",
    "c2jShape" : "DhcpOptions",
    "deprecated" : false,
    "documentation" : "<p>A set of DHCP options.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A set of DHCP options.</p>
    @param dhcpOptions A set of DHCP options.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDhcpOptions",
    "getterDocumentation" : "/**<p>A set of DHCP options.</p>
    @return A set of DHCP options.
    */",
    "getterMethodName" : "getDhcpOptions",
    "getterModel" : {
      "returnType" : "DhcpOptions",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false
    }
  ],
  "hasStreamingMember" : false,
  "httpOperationName" : "CreateDhcpOptions","};
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DhcpOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "dhcpOptions",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DhcpOptions",
"setterDocumentation": "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.*/",
"setterMethodName": "setDhcpOptions",
"setterModel": {
"variableDeclarationType": "DhcpOptions",
"variableName": "dhcpOptions",
"variableType": "DhcpOptions",
"documentation": "",
"simpleType": "DhcpOptions",
"variableSetterType": "DhcpOptions"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "DhcpOptions",
"variableName": "dhcpOptions",
"variableType": "DhcpOptions",
"documentation": "<p>A set of DHCP options.</p>",
"simpleType": "DhcpOptions",
"variableSetterType": "DhcpOptions"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"DhcpOptions": {
"c2jName": "DhcpOptions",
"c2jShape": "DhcpOptions",
"deprecated": false,
"documentation": "<p>A set of DHCP options.</p>",
"enumType": null,
"fluentSetterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withDhcpOptions",
"getDocumentation" : "/**<p>A set of DHCP options.</p>
@return A set of DHCP options.*/",
"getMethodName" : "getDhcpOptions",
"getModel" : {
  "returnType" : "DhcpOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpOptions",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A set of DHCP options.</p>
@param dhcpOptions A set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "dhcpOptions",
  "variableType" : "DhcpOptions",
  "documentation" : ""
"documentation" : "<p>A set of DHCP options.</p>",
"simpleType" : "DhcpOptions",
"variableSetterType" : "DhcpOptions"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateDhcpOptionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateDhcpOptionsResult",
  "variableName" : "createDhcpOptionsResult",
  "variableType" : "CreateDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "CreateDhcpOptionsResult",
  "variableSetterType" : "CreateDhcpOptionsResult"
},
"wrapper" : false
},
"CreateEgressOnlyInternetGatewayRequest" : {
  "c2jName" : "CreateEgressOnlyInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateEgressOnlyInternetGateway",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  }
}
"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC for which to create the egress-only Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>@return The ID of the VPC for which to create the egress-only Internet gateway.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
    "variableDeclarationType" : "String",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
  }
}];
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet
gateway.</p>@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.</p>@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the VPC for which to create the egress-only Internet gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.</p>
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"getterMethodName" : "getClientToken",
"getModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
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"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a></p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
Idempotency</a>. 

"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsSpaceUri" : null
}
],
"membersAsMap" : {
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a>. 

"enumType" : null,
"fluentSetterDocumentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a>. 

"getterDocumentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html'>How to Ensure Idempotency</a>. 

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"header" : false,
"isPayload" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String" },
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "\p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
"simpleType" : "String",
"variableSetterType" : "String"
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"VpcId" : {
"c2jName" : "VpcId",
"c2jName" : "VpcId",
"c2jName" : "VpcId",
"c2jName" : "VpcId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for which to create the egress-only Internet gateway. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet gateway. */\n@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC for which to create the egress-only Internet gateway. */\n@return The ID of the VPC for which to create the egress-only Internet gateway. */",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param vpcId The ID of the VPC for which to create the egress-only Internet gateway.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : null,
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"variableSetterType" : "CreateEgressOnlyInternetGatewayRequest"
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"CreateEgressOnlyInternetGatewayResult" : {
"c2jName" : "CreateEgressOnlyInternetGatewayResult",
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@param egressOnlyInternetGateway Information about the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@return Information about the egress-only Internet gateway. */",
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"returnType" : "EgressOnlyInternetGateway",
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGateway",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGateway",
"setterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@param egressOnlyInternetGateway Information about the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setEgressOnlyInternetGateway",
"setterModel" : {
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"variableName" : "egressOnlyInternetGateway",
"variableType" : "EgressOnlyInternetGateway",
"documentation" : "",
"simpleType" : "EgressOnlyInternetGateway",
"variableSetterType" : "EgressOnlyInternetGateway"
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"simple" : false,
"varargSetterDocumentation" : "/**\n\nInformation about the egress-only Internet gateway.\n@param\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "EgressOnlyInternetGateway",
  "documentation" : "Information about the egress-only Internet gateway.\n\n**\n\nSimpleType" : "EgressOnlyInternetGateway",
  "variableSetterType" : "EgressOnlyInternetGateway"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n\n**\n\nFleunsetterDocumentation" : "/**\n\nUnique, case-sensitive identifier you provide to ensure the idempotency of the request.\n\n@param\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\n\nUnique, case-sensitive identifier you provide to ensure the idempotency of the request.\n\n@returns Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
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  "documentation" : null
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  "greedy" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**
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*/",
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  "variableType" : "String",
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"varargSetterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
@return Returns a reference to this object so that method calls can be chained together.*
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  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
@return Returns a reference to this object so that method calls can be chained together.*
*/",
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**
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@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*
*/",
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    "returnType" : "String",
  }
}].
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
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"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
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"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "clientToken",
"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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    "c2jShape" : "EgressOnlyInternetGateway",
    "deprecated" : false,
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@param egressOnlyInternetGateway Information about the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEgressOnlyInternetGateway",
    "getterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@return Information about the egress-only Internet gateway.*/",
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    "http" : {
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        "greedy" : false,
        "header" : false,
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        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "EgressOnlyInternetGateway",
    "setterDocumentation" : "/**<p>Information about the egress-only Internet gateway.</p>
@param egressOnlyInternetGateway Information about the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    }
}
Information about the egress-only Internet gateway.

@returns Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
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    "variableName" : "egressOnlyInternetGateway",
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    "documentation" : "Information about the egress-only Internet gateway.
    "simpleType" : "EgressOnlyInternetGateway",
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},
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},
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"required" : null,
"shapeName" : "CreateEgressOnlyInternetGatewayResult",
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    "resultWrapper" : null
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    "variableName" : "createEgressOnlyInternetGatewayResult",
    "variableType" : "CreateEgressOnlyInternetGatewayResult",
    "documentation" : null,
    "simpleType" : "CreateEgressOnlyInternetGatewayResult",
    "variableSetterType" : "CreateEgressOnlyInternetGatewayResult"
},
"wrapper" : false
},
"CreateFlowLogsRequest" : {
    "c2jName" : "CreateFlowLogsRequest",
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : "Contains the parameters for CreateFlowLogs.
    "enums" : null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "CreateFlowLogs",
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  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
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    "c2jShape": "ValueStringList",
    "deprecated": false,
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    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withResourceIds",
    "getterDocumentation": "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@returns One or more subnet, network interface, or VPC IDs."
  },
  {
    "c2jName": "ResourceId",
    "c2jShape": "ValueStringList",
    "deprecated": false,
    "documentation": "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@returns One or more subnet, network interface, or VPC IDs."
  }
],

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ResourceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ResourceId",
  "uri": false
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *
*/",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member *
*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : ""
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"variableSetterType": "String"
},
"simple": true,
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"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
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"map": false,
"mapModel": null,
"name": "ResourceIds",
"setterDocumentation": "/**\nOne or more subnet, network interface, or VPC IDs.\nConstraints: Maximum of 1000 resources*/",
"setterMethodName": "setResourceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "resourceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\nOne or more subnet, network interface, or VPC IDs.\nConstraints: Maximum of 1000 resources*/",
"<p>NOTE: This method appends the values to the existing list (if any). Use [@link #setResourceIds(java.util.Collection)] or [@link #withResourceIds(java.util.Collection)] if you want to override the existing values.*/

"/"
or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p> <p>Returns a reference to this object so that method calls can be chained together.*”

```
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resourceIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
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"xmlnsSpaceUri": null
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"c2jName": "ResourceType",
"c2jShape": "FlowLogsResourceType",
"deprecated": false,
"documentation": "<p>The type of resource on which to create the flow log.</p>
  "enumType": "FlowLogsResourceType",
  "fluentSetterDocumentation": "<p>The type of resource on which to create the flow log.</p>
  @param
  resourceType The type of resource on which to create the flow log.
  @return
  Returns a reference to this object so that method calls can be chained together.
  @see FlowLogsResourceType*/",
  "fluentSetterMethodName": "withResourceType",
  "getterDocumentation": "<p>The type of resource on which to create the flow log.</p>
  @return
  The type of resource on which to create the flow log.
  @see FlowLogsResourceType*/",
  "getterMethodName": "getResourceType",
  "getterModel": {
  "returnType": "String",
  "documentation": null
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  "http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ResourceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ResourceType",
  "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
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"name" : "ResourceType",
"setterDocumentation" : "/**\n<p>The type of resource on which to create the flow log.</p>
@param resourceType The type of resource on which to create the flow log.
@see FlowLogsResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The type of resource on which to create the flow log.</p>
@param resourceType The type of resource on which to create the flow log.
@return Returns a reference to this object so that method calls can be chained together.
@see FlowLogsResourceType*/",
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"variableName" : "resourceType",
"variableType" : "String",
"documentation" : "The type of resource on which to create the flow log.
@param trafficType The type of traffic to log.
@return Returns a reference to this object so that method calls can be chained together.
@see TrafficType*/",
"trafficType" : "TrafficType",
"deprecated" : false,
"documentation" : "The type of traffic to log.
@param trafficType The type of traffic to log.
@return Returns a reference to this object so that method calls can be chained together.
@see TrafficType*/",
"fluentSetterDocumentation" : "/**\n<p>The type of traffic to log.</p>
@param trafficType The type of traffic to log.
@return Returns a reference to this object so that method calls can be chained together.
@see TrafficType*/",
"fluentSetterMethodName" : "withTrafficType",
"getterDocumentation" : "/**\n<p>The type of traffic to log.</p>
@param trafficType The type of traffic to log.
@return The type of traffic to log.
@see TrafficType*/",
"getterMethodName" : "getTrafficType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"setterDocumentation" : "/**<p>The type of traffic to log.</p>
@param trafficType The type of traffic to log.
@see TrafficType*/",
"setterMethodName" : "setTrafficType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of traffic to log.</p>
@param trafficType The type of traffic to log.
@return Returns a reference to this object so that method calls can be chained together.
@see TrafficType*/",
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  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "<p>The type of traffic to log.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LogGroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the CloudWatch log group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the CloudWatch log group.</p>
@param logGroupName The name of the CloudWatch log group.
@return Returns a reference to this object so that method calls can be
chained together.*"",
    "fluentSetterMethodName" : "withLogGroupName",
    "getterDocumentation" : "/** <p>The name of the CloudWatch log group.</p>
    @return The name of the CloudWatch log group. */",
    "getterMethodName" : "getLogGroupName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "LogGroupName",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "LogGroupName",
    "setterDocumentation" : "/** <p>The name of the CloudWatch log group.</p>
    @param logGroupName The name of the CloudWatch log group.
    @return Returns a reference to this object so that method calls can be chained together. */",
    "setterMethodName" : "setLogGroupName",
    "setterModel" : {
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      "variableName" : "logGroupName",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/** <p>The name of the CloudWatch log group.</p>
    @param logGroupName The name of the CloudWatch log group.
    @return Returns a reference to this object so that method calls can be chained together. */",
    "variable" : {
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      "variableName" : "logGroupName",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
"variableType" : "String",
"documentation" : "<p>The name of the CloudWatch log group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeliverLogsPermissionArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeliverLogsPermissionArn",
"getterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>
@return The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.*/",
"getterMethodName" : "getDeliverLogsPermissionArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeliverLogsPermissionArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeliverLogsPermissionArn",
"uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsPermissionArn",
"setterDocumentation" : "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs
The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.

```java
@Param deliverLogsPermissionArn

/**
 * The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
 * @param deliverLogsPermissionArn
 * @return
 * Returns a reference to this object so that method calls can be chained together.
 */

public void setDeliverLogsPermissionArn(String deliverLogsPermissionArn) {
    this.deliverLogsPermissionArn = deliverLogsPermissionArn;
}
```

**varargSetterDocumentation**

> The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.

```java
public String getDeliverLogsPermissionArn() {
    return deliverLogsPermissionArn;
}
```

**c2jName**

"deliverLogsPermissionArn"

**c2jShape**

"String"

**deprecated**

false

**documentation**

<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>

```java
public String getClientToken() {
    return clientToken;
}
```

**fluentSetterDocumentation**

> Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

```java
@Fluent
public void withClientToken(String clientToken) {
    this.clientToken = clientToken;
}
```

**getterDocumentation**

> Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

```java
public String getClientToken() {
    return clientToken;
}
```
**How to Ensure Idempotency**

**getterMethodName**: "getClientToken",

**getterModel**: {
	"returnType": "String",
	"documentation": null
},

**http**: {
	"additionalMarshallingPath": null,
	"additionalUnmarshallingPath": null,
	"flattened": false,
	"greedy": false,
	"header": false,
	"isPayload": false,
	"isStreaming": false,
	"location": null,
	"marshallLocationName": "ClientToken",
	"queryString": false,
	"statusCode": false,
	"unmarshallLocationName": "ClientToken",
	"uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ClientToken",

**setterDocumentation**: "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency</a>.</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency</a>.*/",

**setterMethodName**: "setClientToken",

**setterModel**: {
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	"variableName": "clientToken",
	"variableType": "String",
	"documentation": "",
	"simpleType": "String",
	"variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency</a>.*/"
Idempotency</a>.<p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "ClientToken" : {
        "c2jName" : "ClientToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.<p>

        "enumType" : null,
        "fluentSetterDocumentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.<p>

        "fluentSetterMethodName" : "withClientToken",
        "getterDocumentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.<p>

        "getterMethodName" : "getClientToken",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",}
"documentation": "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see [How to Ensure Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html).
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"DeliverLogsPermissionArn": {
  "c2jName": "DeliverLogsPermissionArn",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
"enumType": null,
  "fluentSetterDocumentation": "The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group
  \n  @param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
  @return Returns a reference to this object so that method calls can be chained together.
  
  \n  fluentSetterMethodName": "withDeliverLogsPermissionArn",
  "getterDocumentation": "The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
  @return The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.
  
  getterMethodName": "getDeliverLogsPermissionArn",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "DeliverLogsPermissionArn",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "DeliverLogsPermissionArn",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
"mapModel": null,
"name": "DeliverLogsPermissionArn",
"setterDocumentation": "/**<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.</p>\n@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.*/",
"setterMethodName": "setDeliverLogsPermissionArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "deliverLogsPermissionArn",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "*/<p>The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n@\n@param deliverLogsPermissionArn The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "deliverLogsPermissionArn",
  "variableType": "String",
  "documentation": "The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.*/",
  "simple": "true",
  "xmlNameSpaceUri": null
},
"LogGroupName": {
  "c2jName": "LogGroupName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The name of the CloudWatch log group.*/",
  "enumType": null,
  "fluentSetterDocumentation": "*/<p>The name of the CloudWatch log group.\n@\n@param logGroupName The name of the CloudWatch log group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withLogGroupName",
  "getterDocumentation": "*/<p>The name of the CloudWatch log group.*/",
  "getterMethodName": "getLogGroupName",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
**setterDocumentation** /*<p>The name of the CloudWatch log group.</p>*/
@param logGroupName The name of the CloudWatch log group.
@return Returns a reference to this object so that method calls can be chained together.*/

```java
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "logGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"ResourceIds" : {
  "c2jName" : "ResourceIds",
  "c2jShape" : "ValueStringList",
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"deprecated" : false,
"documentation" : "<p>One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources</p><@param resourceIds One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources</p><@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withResourceIds",
"getterDocumentation" : "/**<p>One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources</p><@return One or more subnet, network interface, or VPC IDs.</p><p>Constraints: Maximum of 1000 resources*/",
"getterMethodName" : "getResourceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ResourceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member *
 */",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"name": "ResourceIds",
"setterDocumentation": "/**\n * One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>\n@\param resourceIds One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources*/",
"setterMethodName": "setResourceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resourceIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n * One or more subnet, network interface, or VPC IDs.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setResourceIds(java.util.Collection)} or {@link #withResourceIds(java.util.Collection)} if you want to override the existing values.</p>\n@\param resourceIds One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "resourceIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more subnet, network interface, or VPC IDs.</p> <p>Constraints: Maximum of 1000 resources</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"ResourceType": {
  "c2jName": "ResourceType",
  "c2jShape": "FlowLogsResourceType"
"deprecated" : false,
"documentation" : "<p>The type of resource on which to create the flow log.<p>",
"enumType" : "FlowLogsResourceType",
"fluentSetterDocumentation" : "/**<p>The type of resource on which to create the flow log.<p>@param
resourceType The type of resource on which to create the flow log.</p>@return Returns a reference to this object so that method calls can be chained together.</p>@see FlowLogsResourceType*/",
"fluentSetterMethodName" : "withResourceType",
"getterDocumentation" : "/**<p>The type of resource on which to create the flow log.<p>@return The type of resource on which to create the flow log.</p>@see FlowLogsResourceType*/",
"getterMethodName" : "getResourceType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceType",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "/**<p>The type of resource on which to create the flow log.<p>@param
resourceType The type of resource on which to create the flow log.</p>@return FlowLogsResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "resourceType",
    "variableType" : "resourceType",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource on which to create the flow log.<p>@param
resourceType The type of resource on which to create the flow log.

@return Returns a reference to this object so that method calls can be chained together.

@see FlowLogsResourceType*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "resourceType",
"variableType" : "String",
"documentation" : "The type of resource on which to create the flow log.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"TrafficType" : {
"c2jName" : "TrafficType",
"c2jShape" : "TrafficType",
"deprecated" : false,
"documentation" : "The type of traffic to log.",
"enumType" : "TrafficType",
"fluentSetterDocumentation" : "The type of traffic to log.

@param trafficType The type of traffic to log.

@return Returns a reference to this object so that method calls can be chained together.

@see TrafficType*/

type="TrafficType",
"fluentSetterMethodName" : "withTrafficType",
"getterDocumentation" : "The type of traffic to log.

@return The type of traffic to log.

@see TrafficType*/

"getterMethodName" : "getTrafficType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TrafficType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TrafficType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"resourceType" : The type of resource on which to create the flow log.

@see FlowLogsResourceType*/

return Returns a reference to this object so that method calls can be chained together.

@see FlowLogsResourceType*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "resourceType",
"variableType" : "String",
"documentation" : "The type of resource on which to create the flow log.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"TrafficType" : {
"c2jName" : "TrafficType",
"c2jShape" : "TrafficType",
"deprecated" : false,
"documentation" : "The type of traffic to log.",
"enumType" : "TrafficType",
"fluentSetterDocumentation" : "The type of traffic to log.

@param trafficType The type of traffic to log.

@return Returns a reference to this object so that method calls can be chained together.

@see TrafficType*/

type="TrafficType",
"fluentSetterMethodName" : "withTrafficType",
"getterDocumentation" : "The type of traffic to log.

@return The type of traffic to log.

@see TrafficType*/

"getterMethodName" : "getTrafficType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TrafficType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TrafficType",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TrafficType",
"setterDocumentation" : "/**
@see TrafficType*/",
"setterMethodName" : "setTrafficType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@see TrafficType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "trafficType",
  "variableType" : "String",
  "documentation" : "The type of traffic to log.

\n\n@returns\nReturns a reference to this object so that method calls can be chained together.

\n\n@see TrafficType*/",
  "xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ResourceIds", "ResourceType", "TrafficType", "LogGroupName", "DeliverLogsPermissionArn" ],

"shapeName" : "CreateFlowLogsRequest",
"unmarshaller" : null,

"variable" : {
  "variableDeclarationType" : "CreateFlowLogsRequest",
  "variableName" : "createFlowLogsRequest",
  "variableType" : "CreateFlowLogsRequest",
  "documentation" : null,
  "simpleType" : "CreateFlowLogsRequest",
  "variableSetterType" : "CreateFlowLogsRequest"
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"wrapper" : false
},

"CreateFlowLogsResult" : {
  "c2jName" : "CreateFlowLogsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
  }
}
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "FlowLogIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the flow logs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@throws IllegalArgumentException\n@return The IDs of the flow logs.\n\*/",
"fluentSetterMethodName" : "withFlowLogIds",
"getterDocumentation" : "/**\n@throws IllegalArgumentException\n@return The IDs of the flow logs.\n\*/",
"getterMethodName" : "getFlowLogIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogIdSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "FlowLogId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the flow log.</p>",
"enumType" : null,
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {  
  "variableDeclarationType": "String",  
  "variableName": "member",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"xmlNameSpaceUri": null  
},  
"memberLocationName": "item",  
"memberType": "String",  
"map": false,  
"marshallNonAutoConstructedEmptyLists": false,  
"memberAdditionalMarshallingPath": null,  
"memberAdditionalUnmarshallingPath": null,  
"sendEmptyQueryString": false,  
"simple": true,  
"simpleType": "String",  
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",  
"templateType": "java.util.List<String>"  
},  
"map": false,  
"mapModel": null,  
"name": "FlowLogIds",  
"setterDocumentation": "/**<p>The IDs of the flow logs.</p>\n@param flowLogIds The IDs of the flow logs.*\*/",  
"setterMethodName": "setFlowLogIds",  
"setterModel": {  
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",  
  "variableName": "flowLogIds",  
  "variableType": "java.util.List<String>",  
  "documentation": "",  
  "simpleType": "List<String>",  
  "variableSetterType": "java.util.Collection<String>"  
},  
"simple": false,  
"varargSetterDocumentation": "/**<p>The IDs of the flow logs.</p>\n@param flowLogIds The IDs of the flow logs.\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",  
"variable": {  
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",  
  "variableName": "flowLogIds",  
  "variableType": "java.util.List<String>",  
  "documentation": "<p>The IDs of the flow logs.</p>\n\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",  
  "simpleType": "List<String>",  
  "variableSetterType": "java.util.Collection<String>"  
}
"xmlNameSpaceUri" : null,
},

"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. </p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. </p>\n@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. */",
"getterMethodName" : "getClientToken",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ClientToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "clientToken",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. </p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. */",
"setterMethodName" : "setClientToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "String",
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "<p>Information about the flow logs that could not be created successfully.</p>
@param unsuccessful Information about the flow logs that could not be created successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p>
@param unsuccessful Information about the flow logs that could not be created successfully.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**<p>Information about the flow logs that could not be created successfully.</p>
@return Information about the flow logs that could not be created successfully.
*/",
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "UnsuccessfulItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodname" : "getMember",
    "getterModel" : {
      "returnType" : "UnsuccessfulItem",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "UnsuccessfulItem",
      "$ref" : "UnsuccessfulItem"
    }
  }
},
"additionalMarshallPath" : null,
"additionalUnmarshallPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UnsuccessfulItem",
"variableName" : "member",
"variableType" : "UnsuccessfulItem",
"documentation" : "",
"simpleType" : "UnsuccessfulItem",
"variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**<p>Information about the flow logs that could not be created
successfully.</p>@param unsuccessful Information about the flow logs that could not be created successfully.*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs that could not be created
successfully.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
@link #withUnsuccessful(java.util.Collection)) if you want to override the existing values.\n
@param unsuccessful Information about the flow logs that could not be created successfully.\n
@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
        "variableName" : "unsuccessful",
        "variableType" : "java.util.List<UnsuccessfulItem>",
        "documentation" : "Information about the flow logs that could not be created successfully.\n        \n        SimpleType" : "List<UnsuccessfulItem>",
        "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
    },
    "xmlNameSpaceUri" : null
],
"membersAsMap" : {
    "ClientToken" : {
        "c2jName" : "ClientToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n        \n        EnumType" : null,
        "fluentSetterDocumentation" : "/*\n        \n        Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n        \n        FluentSetterMethodName" : "withClientToken",
        "getterDocumentation" : "/*\n        \n        Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n        \n        getMethodName" : "getClientToken",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ClientToken",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "clientToken",
            "uri" : false
        }
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request.\n\nUnique, case-sensitive identifier you provide to ensure the idempotency of the request.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : <p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>
},
"xmlNameSpaceUri" : null,
"FlowLogIds" : {
  "c2jName" : "FlowLogIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "The IDs of the flow logs.\n\nThe IDs of the flow logs.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withFlowLogIds",
  "getterDocumentation" : "/**\n\nGet the IDs of the flow logs.\n\nGet the IDs of the flow logs.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getFlowLogIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
  }
}
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "FlowLogIds",
"setterDocumentation": "/**\n<p>The IDs of the flow logs.</p>\n@param flowLogIds The IDs of the flow logs.*/"
logs.*"},
  "setterMethodName" : "setFlowLogIds",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "flowLogIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/*\n**\nThe IDs of the flow logs.</p><n><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.</n>@param flowLogIds The IDs of the flow logs.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "flowLogIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of the flow logs.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
  },
  "xmlNameSpaceUri" : null
},

"Unsuccessful" : {
  "c2jName" : "Unsuccessful",
  "c2jShape" : "UnsuccessfulItemSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the flow logs that could not be created successfully.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n**\nInformation about the flow logs that could not be created successfully.</n>@param unsuccessful Information about the flow logs that could not be created successfully.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUnsuccessful",
  "getterDocumentation" : "/*\n**\nInformation about the flow logs that could not be created successfully.</n>@return Information about the flow logs that could not be created successfully.</n>@param flowLogIds The IDs of the flow logs.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getUnsuccessful",
  "getterModel" : {
    "returnType" : "java.util.List<UnsuccessfulItem>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "UnsuccessfulItem",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "UnsuccessfulItem",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
**mapModel** : null,

**name** : "Member",

**setterDocumentation** : "/**
@param member */",

**setterMethodName** : "setMember",

**setterModel** : {

  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
}

**simple** : false,

**varargSetterDocumentation** : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",

**variable** : {

  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "UnsuccessfulItem",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "templateType" : "java.util.List<UnsuccessfulItem>
}

**map** : false,

**mapModel** : null,

**name** : "Unsuccessful",

**setterDocumentation** : "/**<p>Information about the flow logs that could not be created successfully.</p>
@param unsuccessful Information about the flow logs that could not be created successfully.*/",

**setterMethodName** : "setUnsuccessful",

**setterModel** : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : ""
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>",
"simple" : false,
"varargSetterDocumentation" : "/**\n* Information about the flow logs that could not be created successfully.\n* NOTE: This method appends the values to the existing list (if any). Use \{ @link #setUnsuccessful(java.util.Collection) \} or \{ @link #withUnsuccessful(java.util.Collection) \} if you want to override the existing values.\n* @param unsuccessful Information about the flow logs that could not be created successfully.\n* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "Information about the flow logs that could not be created successfully.\n"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>",
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateFlowLogsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateFlowLogsResult",
"variableName" : "createFlowLogsResult",
"variableType" : "CreateFlowLogsResult",
"documentation" : null,
"simpleType" : "CreateFlowLogsResult",
"variableSetterType" : "CreateFlowLogsResult"
},
"wrapper" : false,
"CreateImageRequest" : {
"c2jName" : "CreateImageRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the parameters for CreateImage."}
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateImage",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
   * @param instanceId The ID of the instance.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
   * @return The ID of the instance.*",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false}
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceURI" : null,
}, {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>\n@return A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
","getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
}}
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocationName": "Name",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "name",
   "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Name",
"setterDocumentation": "/**<p>A name for the new image.</p>
   <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_)</p>
   @param name A name for the new image.</p>
   <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_)</p>
   @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setName",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "name",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A name for the new image.</p>
   <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_)</p>
   @param name A name for the new image.</p>
   <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_)</p>
   @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
   "variableDeclarationType": "String",
   "variableName": "name",
   "variableType": "String",
   "documentation": "<p>A name for the new image.</p>"
A description for the new image.

A description for the new image.

A description for the new image.

A description for the new image.

A description for the new image.

A description for the new image.
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the new image.</p>
@param description A description for the new image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description for the new image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NoReboot",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNoReboot",
"getterDocumentation" : "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>@return By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p>*/",
"getterMethodName" : "getNoReboot",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NoReboot",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "noReboot",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NoReboot",
"setterDocumentation": "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>**/"","setterMethodName": "setNoReboot",
"setterModel": {
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  "variableName": "noReboot",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>@param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.</p><p>**/"","variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "noReboot",
  "variableType": "Boolean",
  "documentation": "<p>By default, Amazon EC2 attempts to shut down and reboot the instance before creating"
the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

```json
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"enumType": null,
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<p>Information about one or more block device mappings.</p>
@returns {array} Information about one or more block device mappings.
*/",
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"getterDocumentation": "/**
<p>Information about one or more block device mappings.</p>
@returns Information about one or more block device mappings.
*/",
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  "returnType": "java.util.List<BlockDeviceMapping>",
  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "blockDeviceMapping",
  "uri": false
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"idempotencyToken": false,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "BlockDeviceMapping",
    "deprecated": false,
    "documentation": "",
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"getterDocumentation": "/**\n@return */",
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  "documentation": null
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  "statusCode": false,
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  "variableSetterType": "BlockDeviceMapping"
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"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<BlockDeviceMapping>"
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"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.</p>*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {

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"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : "",
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},

"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>

@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",

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"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : "<p>Information about one or more block device mappings.</p>",
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
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"xmlNameSpaceUri" : null
} ]
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        "c2jShape" : "BlockDeviceMappingRequestList",
        "deprecated" : false,
        "documentation" : "<p>Information about one or more block device mappings.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about one or more block device mappings.</p>
@param blockDeviceMappings Information about one or more block device mappings.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Information about one or more block device mappings.*/",
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                "c2jShape" : "BlockDeviceMapping",
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                "documentation" : "",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**<p>@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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                "getterDocumentation" : "/**<p>@return */",
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            "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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            "getterDocumentation" : "/**<p>@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
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                "documentation" : null
            }
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  "returnType" : "BlockDeviceMapping",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BlockDeviceMapping",
  "uri" : false
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"mapModel" : null,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
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  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "",
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    "variableSetterType" : "BlockDeviceMapping"
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"memberAdditionalUnmarshallingPath": null,
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"templateType": "java.util.List<BlockDeviceMapping>"
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"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
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@param blockDeviceMappings Information about one or more block device mappings.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
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  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more block device mappings.\n<br>NOTE: This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>\n@param blockDeviceMappings Information about one or more block device mappings.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "<p>Information about one or more block device mappings.</p>",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
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"xmlNameSpaceUri": null
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"Description": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "A description for the new image."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the new image.</p>
@param description A description for the new image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description for the new image.</p>
@return A description for the new image.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the new image.</p>
@param description A description for the new image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the new image.</p>
@param description A description for the new image.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>A description for the new image.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceId",
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    "list" : false,
    "listModel" : null,
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    "mapModel" : null,
    "name" : "InstanceId",
    "setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"greedy": false,
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"isStreaming": false,
"location": null,
"marshallLocationName": "Name",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "name",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,

"name": "Name",

"setterDocumentation": "/** <p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_) </p> @param name A name for the new image. */
@param name A name for the new image. Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)*/\n@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableName": "name",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/** <p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_) */\n@param name A name for the new image. */
@param name A name for the new image. Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
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  "variableType": "String",
  "documentation": "<p>A name for the new image.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores (_)</p>",
  "simpleType": "String",
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"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"NoReboot" : {
  "c2jName" : "NoReboot",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.",
  "enumType" : null,
  "fluentSetterDocumentation" : "By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

```
@<param noReboot By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

@return Returns a reference to this object so that method calls can be chained together.*/
```

  "fluentSetterMethodName" : "withNoReboot",
  "getterDocumentation" : "By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

```

@<return By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

@<return Returns a reference to this object so that method calls can be chained together.*/
```

  "getterMethodName" : "getNoReboot",
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NoReboot",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "noReboot",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed. By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.

By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed.
"variableType" : "CreateImageRequest",
"documentation" : null,
"simpleType" : "CreateImageRequest",
"variableSetterType" : "CreateImageRequest"
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},
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"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateImage.</p>",
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"errorCode" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the new AMI.</p>
@return The ID of the new AMI.
*/",
"getterMethodName" : "getImageId",
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"documentation" : null
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"setterModel": {
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"variableName": "imageId",
"variableType": "String",
"documentation": 
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the new AMI.</p>
@param imageId The ID of the new AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  @return Returns a reference to this object so that method calls can be chained together.
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  @return Returns a reference to this object so that method calls can be chained together.
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  @return Returns a reference to this object so that method calls can be chained together.
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  @return Returns a reference to this object so that method calls can be chained together.
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The maximum length is 255 bytes.</p>
@param description A description for the conversion task or the resource 
being exported. The maximum length is 255 bytes.\n@return Returns a reference to this object so that method calls 
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The maximum length is 255 bytes.*/",
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@param description A description for the conversion task or the resource being exported. The maximum length is 255 bytes.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>",
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"simpleType" : "String",
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},
"TargetEnvironment" : {
"c2jName" : "TargetEnvironment",
"c2jShape" : "ExportEnvironment",
"deprecated" : false,
"documentation" : "<p>The target virtualization environment.</p>",
"enumType" : "ExportEnvironment",
"fluentSetterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@return Returns a reference to this object so that method calls can be chained together.
@see ExportEnvironment*/",
"fluentSetterMethodName" : "withTargetEnvironment",
"getterDocumentation" : "/**<p>The target virtualization environment.</p>
@return The target virtualization environment.
@see ExportEnvironment*/",
"getterMethodName" : "getTargetEnvironment",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetEnvironment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetEnvironment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetEnvironment",
"setterDocumentation" : "/**<p>The target virtualization environment.</p>
@param targetEnvironment The target virtualization environment.
@return The target virtualization environment.
@see ExportEnvironment*/",
"setterMethodName" : "setTargetEnvironment",
"setterModel" : {
"variableDeclarationType" : "String",
"variableSetterType" : "String"
"variableName" : "targetEnvironment",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**\n@param
targetEnvironment The target virtualization environment.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ExportEnvironment*/",
"variable" : {
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"variableName" : "targetEnvironment",
"variableType" : "String",
"documentation" : "The target virtualization environment.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
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"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateInstanceExportTaskRequest",
"variableName" : "createInstanceExportTaskRequest",
"variableType" : "CreateInstanceExportTaskRequest",
"documentation" : null,
"simpleType" : "CreateInstanceExportTaskRequest",
"variableSetterType" : "CreateInstanceExportTaskRequest"
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"wrapper" : false
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"CreateInstanceExportTaskResult" : {
"c2jName" : "CreateInstanceExportTaskResult",
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the output for CreateInstanceExportTask."
"enums" : null,
"errorCode" : null,
"error_code" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  
  
  "c2jName" : "ExportTask",
  "c2jShape" : "ExportTask",
  "deprecated" : false,
  "documentation" : "<p>Information about the instance export task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the instance export task.</p>
@override
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withExportTask",
  "getterDocumentation" : "/**<p>Information about the instance export task.</p>
@return Information about the instance export task.*/",
  "getterMethodName" : "getExportTask",
  "getterModel" : {
    "returnType" : "ExportTask",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExportTask",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "exportTask",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ExportTask",
  "setterDocumentation" : "/**<p>Information about the instance export task.</p>
@override
@return Information about the instance export task.*/",
  "setterMethodName" : "setExportTask",
  "setterModel" : {
    "variableDeclarationType" : "ExportTask",
    "variableName" : "exportTask"}]}
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"variableType": "ExportTask",
"documentation": "",
"simpleType": "ExportTask",
"variableSetterType": "ExportTask"
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"simple": false,
"varargSetterDocumentation": "/**\n* Information about the instance export task.\n*@param exportTask
Information about the instance export task.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable": {
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  "variableName": "exportTask",
  "variableType": "ExportTask",
  "documentation": "Information about the instance export task.\n*\n  "simpleType": "ExportTask",
  "variableSetterType": "ExportTask"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"ExportTask": {
"c2jName": "ExportTask",
"c2jShape": "ExportTask",
"deprecated": false,
"documentation": "Information about the instance export task.\n*\n  "enumType": null,
  "fluentSetterDocumentation": "/**\n* Information about the instance export task.\n*@param exportTask
Information about the instance export task.\n@return Information about
the instance export task.*\n  "fluentSetterMethodName": "withExportTask",
  "getterDocumentation": "/**\n* Information about the instance export task.\n*@param exportTask
Information about the instance export task.\n@return Returns a reference to
this object so that method calls can be
chained together.*\n  "getterMethodName": "getExportTask",
  "getterModel": {
    "returnType": "ExportTask",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ExportTask",

"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "exportTask",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExportTask",
"setterDocumentation" : "/**<p>Information about the instance export task.</p>*/
@.param exportTask
Information about the instance export task.*/
"setterMethodName" : "setExportTask",
"setterModel" : {
"variableDeclarationType" : "ExportTask",
"variableName" : "exportTask",
"variableType" : "ExportTask",
"documentation" : "",
"simpleType" : "ExportTask",
"variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the instance export task.</p>*/
@return Returns a reference to this object so that method calls can be
chained together.*/
"variable" : {
"variableDeclarationType" : "ExportTask",
"variableName" : "exportTask",
"variableType" : "ExportTask",
"documentation" : "<p>Information about the instance export task.</p>",
"simpleType" : "ExportTask",
"variableSetterType" : "ExportTask"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateInstanceExportTaskResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "CreateInstanceExportTaskResult",
"variableName" : "createInstanceExportTaskResult"}
"variableType" : "CreateInstanceExportTaskResult",
"documentation" : null,
"simpleType" : "CreateInstanceExportTaskResult",
"variableSetterType" : "CreateInstanceExportTaskResult"
},
"wrapper" : false
},
"CreateInternetGatewayRequest" : {
 "c2jName" : "CreateInternetGatewayRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateInternetGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "CreateInternetGateway",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateInternetGatewayRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "CreateInternetGatewayRequest",
 "variableName" : "createInternetGatewayRequest",
 "variableType" : "CreateInternetGatewayRequest",
 "documentation" : null,
 "simpleType" : "CreateInternetGatewayRequest",
 "variableSetterType" : "CreateInternetGatewayRequest"
 },
"wrapper" : false
}
"CreateInternetGatewayResult" : {
  "c2jName" : "CreateInternetGatewayResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contents the output of CreateInternetGateway</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "InternetGateway",
    "c2jShape" : "InternetGateway",
    "deprecated" : false,
    "documentation" : "<p>Information about the Internet gateway</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the Internet gateway</p>
@param internetGateway
@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withInternetGateway",
    "getterDocumentation" : "/**<p>Information about the Internet gateway</p>
@return Information about the Internet gateway.*/",
    "getterMethodName" : "getInternetGateway",
    "getterModel" : {
      "returnType" : "InternetGateway",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InternetGateway",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "internetGateway",
      "uri" : false
  },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CreateInternetGatewayResult",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
    "variableDeclarationType": "CreateInternetGatewayResult",
    "variableName": "createInternetGatewayResult",
    "variableType": "CreateInternetGatewayResult",
    "documentation": null,
    "simpleType": "CreateInternetGatewayResult",
    "variableSetterType": "CreateInternetGatewayResult"
},
"wrapper": false
},
"CreateKeyPairRequest": {
    "c2jName": "CreateKeyPairRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "<p>Contains the parameters for CreateKeyPair.</p>",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": {
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        "locationName": null,
        "requestUri": "/",
        "target": null,
        "verb": "POST",
        "xmlNameSpaceUri": null
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    "members": [
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            "c2jName": "KeyName",
            "c2jShape": "String",
            "deprecated": false,
            "documentation": "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>"
"enumType" : null,
"fluentSetterDocumentation" : /*  
**<p>A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters</p>
@n param keyName  
A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters

**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : /*  
**<p>A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters

**\n@return A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "KeyName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "KeyName",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : /*  
**<p>A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters</p>
@n param keyName  
A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters

**\n@return A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "keyName",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*  
**<p>A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters</p>
@n param keyName  
A unique name for the key pair.</p>
** Constraints: Up to 255 ASCII characters*/
characters\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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        "variableName" : "keyName",
        "variableType" : "String",
        "documentation" : "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
    "KeyName" : {
        "c2jName" : "KeyName",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters
        @param keyName A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters\n        @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withKeyName",
        "getterDocumentation" : "/**<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters\n        @return A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters*/",
        "getterMethodName" : "getKeyName",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "KeyName",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "KeyName",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**\n<p>A unique name for the key pair.</p>
<p>Constraints: Up to 255 ASCII characters</p>\n@param keyName A unique name for the key pair.</p>
<p>Constraints: Up to 255 ASCII characters*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>A unique name for the key pair.</p>
<p>Constraints: Up to 255 ASCII characters</p>\n@param keyName A unique name for the key pair.</p>
<p>Constraints: Up to 255 ASCII characters</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "<p>A unique name for the key pair.</p>
<p>Constraints: Up to 255 ASCII characters</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "KeyName" ],
"shapeName" : "CreateKeyPairRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateKeyPairRequest",
"variableName" : "createKeyPairRequest",
"variableType" : "CreateKeyPairRequest",
"documentation" : null,
"simpleType" : "CreateKeyPairRequest",
"variableSetterType" : "CreateKeyPairRequest"
},
"wrapper" : false
},
"CreateKeyPairResult" : {
"c2jName" : "CreateKeyPairResult",
"customization" : {
    "artificialResultWrapper" : {
        "wrappedMemberName" : "KeyPair",
        "wrappedMemberSimpleType" : "KeyPair"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "A simple result wrapper around the KeyPair object that was sent over the wire.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    {"c2jName" : "KeyPair",
    "c2jShape" : "KeyPair",
    "deprecated" : false,
    "documentation" : "<p>Describes a key pair.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Describes a key pair.</p>
    @param keyPair Describes a key pair.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyPair",
    "getterDocumentation" : "/**<p>Describes a key pair.</p>
    @return Describes a key pair.
    */",
    "getterMethodName" : "getKeyPair",
    "getterModel" : {
        "returnType" : "KeyPair",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KeyPair",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "KeyPair",
        "uri" : false
    }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyPair",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyPair",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyPair",
"setterDocumentation" : "/**
<p>Describes a key pair.</p>
@param keyPair Describes a key pair.*

@return Returns a reference to this object so that method calls can be chained together.*

"setterMethodName" : "setKeyPair",
"setterModel" : {
  "variableDeclarationType" : "KeyPair",
  "variableName" : "keyPair",
  "variableType" : "KeyPair",
  "documentation" : "",
  "simpleType" : "KeyPair",
  "variableSetterType" : "KeyPair"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Describes a key pair.</p>
@param keyPair Describes a key pair.

@return Returns a reference to this object so that method calls can be chained together.*

"variable" : {
  "variableDeclarationType" : "KeyPair",
  "variableName" : "keyPair",
  "variableType" : "KeyPair",
  "documentation" : "<p>Describes a key pair.</p>

  "simpleType" : "KeyPair",
  "variableSetterType" : "KeyPair"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateKeyPairResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateKeyPairResult",
"variableName" : "createKeyPairResult",
"variableType" : "CreateKeyPairResult",
"documentation" : null,
"simpleType" : "CreateKeyPairResult",
"variableSetterType" : "CreateKeyPairResult"
},
"wrapper" : false
},
"CreateNatGatewayRequest" : {
"c2jName" : "CreateNatGatewayRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateNatGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "CreateNatGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>*/
return The subnet in which to create the NAT gateway.
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>*/
return The subnet in which to create the NAT gateway.
"getterMethodName" : "getSubnetId"
}];
which to create the NAT gateway.*/",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SubnetId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SubnetId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SubnetId",
  "setterDocumentation" : "/**\n   * The subnet in which to create the NAT gateway.
   * @param subnetId The subnet in which to create the NAT gateway.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setSubnetId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n   * The subnet in which to create the NAT gateway.
   * @param subnetId The subnet in which to create the NAT gateway.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "subnetId",
    "variableType" : "String",
    "documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
    "simpleType" : "String"
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AllocationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
@return The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AllocationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*/"
allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*"*/

setterMethodName" : "setAllocationId",
"setterModel" : {
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  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.
@return Returns a reference to this object so that method calls can be chained together.*"*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
  "fluentSetterMethodName" : "withClientToken",
  "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
  "getterMethodName" : "getClientToken",
  "setterMethodName" : "setClientToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "clientToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>
  "varargSetterMethodName" : "withClientToken",
  "xmlNameSpaceUri" : null
}
}
Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>

@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.*" /

"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.*" /

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency
of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p>

@return Returns a reference to this object so that method calls can be chained together.*

variable : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. Constraint: Maximum 64 ASCII characters.

AllocationId : {
  "c2jName" : "AllocationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.

/* */

"enumType" : null,
"fluentSetterDocumentation" : "The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.

@returns Returns a reference to this object so that method calls can be chained together.

"getMethodNames" : ["getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
}
"setterDocumentation": "/**\n<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>\n@param allocationId The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*/",
"setterMethodName": "setAllocationId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "allocationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "allocationId",
  "variableType": "String",
  "documentation": "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>"
},
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ClientToken": {
  "c2jName": "ClientToken",}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> <p>Constraint: Maximum 64 ASCII characters.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> 
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> 
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ClientToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ClientToken",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "ClientToken",
"setterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. </p><p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setClientToken",
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  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. </p><p>@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. </p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. </p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. </p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SubnetId": {
  "c2jName": "SubnetId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The subnet in which to create the NAT gateway. </p>
@param subnetId The subnet in which to create the NAT gateway. \n@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>
@returns The subnet in which to create the NAT gateway.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SubnetId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>
@param subnetId The subnet in which to create the NAT gateway.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The subnet in which to create the NAT gateway.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String"}
"documentation" : "<p>The subnet in which to create the NAT gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SubnetId", "AllocationId" ],
"shapeName" : "CreateNatGatewayRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateNatGatewayRequest",
"variableName" : "createNatGatewayRequest",
"variableType" : "CreateNatGatewayRequest",
"documentation" : null,
"simpleType" : "CreateNatGatewayRequest",
"variableSetterType" : "CreateNatGatewayRequest"
},
"wrapper" : false
},
"CreateNatGatewayResult" : {
"c2jName" : "CreateNatGatewayResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateNatGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "NatGateway",
"c2jShape" : "NatGateway",
"deprecated" : false,
"documentation" : "<p>Information about the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the NAT gateway.</p>@param natGateway
Information about the NAT gateway.@return Returns a reference to this object so that method calls can be chained together.*/"},


"fluentSetterMethodName": "withNatGateway",
"getterDocumentation": "/**\p>Information about the NAT gateway.*/",
"getterMethod_Name": "getNatGateway",
"getterModel": {
"returnType": "NatGateway",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NatGateway",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "natGateway",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NatGateway",
"setterDocumentation": "/**\p>Information about the NAT gateway.*/",
"setterMethod_Name": "setNatGateway",
"setterModel": {
  "variableDeclarationType": "NatGateway",
  "variableName": "natGateway",
  "variableType": "NatGateway",
  "documentation": "",
  "simpleType": "NatGateway",
  "variableSetterType": "NatGateway"
},
"simple": false,
"varargSetterDocumentation": "/**\p>Information about the NAT gateway.*/\n@param natGateway Information about the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NatGateway",
  "variableName": "natGateway",
  "variableType": "NatGateway"}
"documentation" : "&lt;p&gt;Information about the NAT gateway.&lt;/p&gt;",
"simpleType" : "NatGateway",
"variableSetterType" : "NatGateway" },
"xmlnsNamespaceUri" : null
}, {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**&lt;p&gt;Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.&lt;/p&gt;\n@returns Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**&lt;p&gt;Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.&lt;/p&gt;\n@returns Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*/"}
identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*\*/

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n\n@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n\n@return Returns a reference to this object so that method calls can be chained together.*\*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n\n@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.\n\n@return Returns a reference to this object so that method calls can be chained together.*\*/",

  "variableDeclara...
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>@param clientToken Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"NatGateway" : {
"c2jName" : "NatGateway",
"c2jShape" : "NatGateway",
"deprecated" : false,
"documentation" : "<p>Information about the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the NAT gateway.</p>
@param natGateway
Information about the NAT gateway.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGateway",
"getterDocumentation" : "/**<p>Information about the NAT gateway.</p>
@return Information about the NAT gateway.*/",
"getterMethodName" : "getNatGateway",
"getterModel" : {
"returnType" : "NatGateway",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGateway",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGateway",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGateway",
"setterDocumentation" : "/**<p>Information about the NAT gateway.</p>
@param natGateway
Information about the NAT gateway.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNatGateway",
"setterModel" : {
"variableDeclarationType" : "NatGateway",
"variableName" : "natGateway",
"variableType" : "NatGateway",
"documentation" : "",
"simpleType" : "NatGateway",
"variableSetterType" : "NatGateway"
}
Information about the NAT gateway.

- @param natGateway Information about the NAT gateway.
- @return Returns a reference to this object so that method calls can be chained together.

```

private boolean simple;

private Class<com.amazonaws.SdkShape> varargSetterDocumentation;

private Class<com.amazonaws.SdkShape> variable;

private String xmlNameSpaceUri;

private boolean requestSignerAware;

private String requestSignerClassFqn;

private String shapeName;

private Marshaller unmarshaller;

private Object variable;

private String wrapper;

private String c2jName;

private Marshaller customization;

private boolean deprecated;

private String documentation;

private Class<com.amazonaws.SdkShape> enums;

private String errorCode;

private boolean hasHeaderMember;

private boolean hasPayloadMember;

```
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateNetworkAclEntry",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
    @param networkAclId The ID of the network ACL.
    @return Returns a reference to this object so that method calls can be chained together."/",
    "fluentSetterMethodName" : "withNetworkAclId",
    "getterDocumentation" : "/**<p>The ID of the network ACL.</p>
    @return The ID of the network ACL.
    */",
    "getterMethodName" : "getNetworkAclId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NetworkAclId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "networkAclId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NetworkAclId",
    "setterDocumentation" : "/**<p>The ID of the network ACL.</p>
    @param networkAclId The ID of the network ACL.
    */",
  }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>
    @param networkAclId The ID of the network ACL.
    */",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**
<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**
<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : true,
  "varargSetterDocumentation" : "/**
<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
@return Returns a reference to this object so that method calls can be chained together.*/"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RuleNumber",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p> \n@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number. \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p> \n@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number. \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number. \n@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number. \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"}
"variableSetterType" : "Integer"
],
"xmlnsNameSpaceUri" : null
},
{
"c2jName" : "Protocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The protocol. A value of `<code>-1</code>` or `<code>all</code>` means all protocols. If you
specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`,
`<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>`
(ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

**getProtocol**

The protocol. A value of `<code>-1</code>` or `<code>all</code>` means all protocols. If you
specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`,
`<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>`
(ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

**withProtocol**

The protocol. A value of `<code>-1</code>` or `<code>all</code>` means all protocols. If you
specify `<code>all</code>`, `<code>-1</code>`, or a protocol number other than `<code>tcp</code>`,
`<code>udp</code>`, or `<code>icmp</code>`, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>`
(ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
"flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Protocol",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "protocol",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Protocol",
  "setterDocumentation" : "/**\n<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>\n@\n**\n<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>*/",
  "setterMethodName" : "setProtocol",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "protocol",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>*/
"
or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```java
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "protocol",
    "variableType" : "String",
    "documentation" : "The protocol. A value of -1 or all means all protocols. If you specify all or a protocol number other than tcp, udp, or icmp, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol 58 (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol 58 (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code."
},
"fluentSetterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.

```
"unmarshallLocationName": "ruleAction",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RuleAction",
"setterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.<p>@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.<p>@see RuleAction*/",
"setterMethodName": "setRuleAction",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ruleAction",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.<p>@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see RuleAction*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ruleAction",
  "variableType": "String",
  "documentation": "\p>Indicates whether to allow or deny the traffic that matches the rule.<p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  "c2jName": "Egress",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "\p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
<p>@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
<p>@return Returns a reference to this object so that method calls can be chained together.*
",
  "fluentSetterMethodName": "withEgress",
  "getterDocumentation": "/**<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
<p>@return Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
",
  "getterMethodName": "getEgress",
}
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Egress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "egress",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**\n<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>\n@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).*/",
"setterMethodName" : "setEgress",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "egress",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>\n@param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "egress",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).</p>",
    "simpleType" : "Boolean",
}
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@method withCidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@method getCidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@method setCidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@returns Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\</p>\n@\param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@\return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\</p>\n@\param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@\return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlock",
  "getterDocumentation" : "/**\<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@\return The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).*/",
  "getterMethodName" : "getIpv6CidrBlock",
  "getModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6CidrBlock",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6CidrBlock",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6CidrBlock",
"setterDocumentation": "/**\n * The IPv6 network range to allow or deny, in CIDR notation (for example \n &lt;code&gt;2001:db8:1234:1a00::/64&lt;/code&gt;).\n \n @param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:db8:1234:1a00::/64&lt;/code&gt;). */",
"setterMethodName": "setIpv6CidrBlock",
"setterModel": {
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  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:db8:1234:1a00::/64&lt;/code&gt;).\n \n @param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:db8:1234:1a00::/64&lt;/code&gt;).\n \n @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "The IPv6 network range to allow or deny, in CIDR notation (for example &lt;code&gt;2001:db8:1234:1a00::/64&lt;/code&gt;).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "IcmpTypeCode",
"c2jShape": "IcmpTypeCode",
"deprecated": false,
"documentation": "The ICMP or ICMPv6 type and code. Required if specifying the ICMP
protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.*/",
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
  "returnType" : "IcmpTypeCode",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
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  "marshallLocationName" : "Icmp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Icmp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */",
"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
  "variableDeclarationType" : "IcmpTypeCode",
  "variableName" : "icmpTypeCode",
  "variableType" : "IcmpTypeCode",
  "documentation" : "$"}
"simpleType" : "IcmpTypeCode",
"variableSetterType" : "IcmpTypeCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>
@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "IcmpTypeCode",
    "variableName" : "icmpTypeCode",
    "variableType" : "IcmpTypeCode",
    "documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>",
    "simpleType" : "IcmpTypeCode",
    "variableSetterType" : "IcmpTypeCode"
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"xmlnsSpaceUri" : null
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  "c2jName" : "PortRange",
  "c2jShape" : "PortRange",
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPortRange",
  "getterDocumentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@return TCP or UDP protocols: The range of ports the rule applies to.*/",
  "getterMethodName" : "getPortRange",
  "getterModel" : {
    "returnType" : "PortRange",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "PortRange",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "portRange",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**
<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.*/",
"setterMethodName" : "setPortRange",
"setterModel" : {
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  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.*/",
"variable" : {
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  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"xmlnsNameSpaceUri" : null
}
],
"membersAsMap" : {
"CidrBlock" : {
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>

"xmlNameSpaceUri" : null,
"variable" : {
  "variableDeclarationType" : "PortRange",
  "variableName" : "portRange",
  "variableType" : "PortRange",
  "documentation" : "",
  "simpleType" : "PortRange",
  "variableSetterType" : "PortRange"
},
"xmlnsNameSpaceUri" : null
]"}
The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). @param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>). @return Returns a reference to this object so that method calls can be chained together.
"variableType" : "String",
"documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation (for example 
<code>172.16.0.0/24</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Egress" : {
"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the 
subnet).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>Indicates whether this is an egress rule (rule is applied to traffic leaving 
the subnet).\</p>\n\t\n\t\n\t\n\n@\param egress Indicates whether this is an egress rule (rule is applied to traffic leaving the 
subnet).\</n\t\n\t\n\t\n\n\return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**\<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the 
subnet).\</p>\n\t\n\t\n\t\n\n\return Indicates whether this is an egress rule (rule is applied to traffic leaving the 
subnet). */",
"getterMethodName" : "getEgress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Egress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
"setterDocumentation" : "/**\<p>Indicates whether this is an egress rule (rule is applied to traffic leaving the
Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet). */

"setterMethodName" : "setEgress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet). */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IcmpTypeCode" : {
  "c2jName" : "IcmpTypeCode",
  "c2jShape" : "IcmpTypeCode",
  "deprecated" : false,
  "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */",
  "fluentSetterDocumentation" : "/** Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet). */",
  "fluentSetterMethodName" : "withIcmpTypeCode",
  "getDocumentation" : "/** Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet). */",
  "getMethodDocumentation" : "/** Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet). */",
  "getMethodModel" : {
    "returnType" : "IcmpTypeCode",
    "documentation" : null
  }
},
"return" : return
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"http": {  
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  "additionalUnmarshallingPath": null,  
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  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "Icmp",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "Icmp",  
  "uri": false 
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "IcmpTypeCode",  
"setterDocumentation": "/**\n* ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n* @param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block. */\n\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",  
"setterMethodName": "setIcmpTypeCode",  
"setterModel": {  
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  "variableName": "icmpTypeCode",  
  "variableType": "IcmpTypeCode",  
  "documentation": "".,  
  "simpleType": "IcmpTypeCode",  
  "variableSetterType": "IcmpTypeCode" 
},  
"simple": false,  
"varargSetterDocumentation": "/**\n* ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n* @param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/",  
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  "variableName": "icmpTypeCode",  
  "variableType": "IcmpTypeCode",  
  "documentation": "".,  
  "simpleType": "IcmpTypeCode",  
  "variableSetterType": "IcmpTypeCode"
"xmlNameSpaceUri" : null

"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).",
  "enumType" : null,
  "fluentSetterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@returns Returns a reference to this object so that method calls can be chained together."
    "getterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n\n@returns The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).",
  "getterMethodName" : "getIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlock",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Ipv6CidrBlock",
  "setterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@returns Returns a reference to this object so that method calls can be chained together."
    "setterMethodName" : "setIpv6CidrBlock"},
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@param_ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:db8:1234:1a00::/64</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"NetworkAclId" : {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the network ACL.\n\n@return The ID of the network ACL.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the network ACL.\n\n@return The ID of the network ACL.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNetworkAclId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.\n\n@param_networkAclId The ID of the network ACL.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkAclId",
    "getterDocumentation" : "/**<p>The ID of the network ACL.\n\n@return The ID of the network ACL.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getNetworkAclId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "<p>The ID of the network ACL.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PortRange" : {
"c2jName" : "PortRange",
"c2jShape" : "PortRange",
"deprecated" : false,
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPortRange",
"getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@return TCP or UDP protocols: The range of ports the rule applies to.*/".
"getterMethodName" : "getPortRange",
"getterModel" : {
    "returnType" : "PortRange",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "PortRange",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "portRange",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setPortRange",
"setterModel" : {
    "variableDeclarationType" : "PortRange",
    "variableName" : "portRange",
    "variableType" : "PortRange",
    "documentation" : "",
    "simpleType" : "PortRange",
    "variableSetterType" : "PortRange"
},
"simple" : false,
"varargSetterDocumentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "PortRange",
    "variableName" : "portRange",
    "variableType" : "PortRange",
    "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
",
    "simpleType" : "PortRange",
    "variableSetterType" : "PortRange"
"xmlNameSpaceUri" : null
},
"Protocol" : {
  "c2jName" : "Protocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.\n
  "enumType" : null,
  "fluentSetterDocumentation" : "The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.\n
  "getterDocumentation" : "The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.\n
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Protocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "protocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Protocol",
"setterDocumentation" : "/**\n<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@param protocol The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.*/",
"setterMethodName" : "setProtocol",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "protocol",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "**\n<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@param protocol The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.*/"
<code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@variable

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "protocol",
  "variableType" : "String",
  "documentation" : "The protocol. A value of \"-1\" or \"all\" means all protocols. If you specify \"all\", \"-1\", or a protocol number other than \"tcp\", \"udp\", or \"icmp\", traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol \"58\" (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol \"58\" (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleAction" : {
  "c2jName" : "RuleAction",
  "c2jShape" : "RuleAction",
  "deprecated" : false,
  "documentation" : "Indicates whether to allow or deny the traffic that matches the rule.
",
  "enumType" : "RuleAction",
  "fluentSetterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.
",
  "getterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.
",
  "getterMethodName" : "getRuleAction",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleAction",
    "queryString" : false,
    "returnType" : "String",
    "documentation" : null
  }
```
"statusCode" : false,
"unmarshallLocationName" : "ruleAction",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the
rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the
rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "Indicates whether to allow or deny the traffic that matches the rule.
Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.
@see RuleAction*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The rule number for the entry (for example, 100). ACL entries are processed in
ascending order by rule number. Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is
reserved for internal use.
@see RuleNumber",
  "enumType" : null,
  "fluentSetterDocumentation" : "The rule number for the entry (for example, 100). ACL entries are
processed in ascending order by rule number. Constraints: Positive integer from 1 to 32766. The range
32767 to 65535 is reserved for internal use.
@see RuleNumber"}
The range 32767 to 65535 is reserved for internal use.

@return Returns a reference to this object so that method calls can be chained together.*\n",

"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>@return The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>*/",

"getterMethodName" : "getRuleNumber",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RuleNumber",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ruleNumber",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "/**<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>*/",

"setterMethodName" : "setRuleNumber",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"simple": true,
"varargSetterDocumentation": "/** The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number. */ <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p><ul>
<li>@param ruleNumber The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</li>
<li>@return Returns a reference to this object so that method calls can be chained together.</li>
</ul>*/",
"variable": {
 "variableDeclarationType": "Integer",
 "variableName": "ruleNumber",
 "variableType": "Integer",
 "documentation": "The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.
Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.
",
 "complexType": "Integer",
 "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"shapeName": "CreateNetworkAclEntryRequest",
"unmarshaller": null,
"variable": {
 "variableDeclarationType": "CreateNetworkAclEntryRequest",
 "variableName": "createNetworkAclEntryRequest",
 "variableType": "CreateNetworkAclEntryRequest",
 "documentation": null,
 "complexType": "CreateNetworkAclEntryRequest",
 "variableSetterType": "CreateNetworkAclEntryRequest"
},
"wrapper": false
},
"CreateNetworkAclEntryResult": {
 "c2jName": "CreateNetworkAclEntryResult",
 "customization": {
 "artificialResultWrapper": null,
 "skipGeneratingMarshaller": false,
 "skipGeneratingModelClass": false,
 "skipGeneratingUnmarshaller": false
 },
 "deprecated": false,
 "documentation": null,
 "enums": null,
 "errorCode": null,
 "hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSigner Aware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CreateNetworkAclEntryResult",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "CreateNetworkAclEntryResult",
"variableName": "createNetworkAclEntryResult",
"variableType": "CreateNetworkAclEntryResult",
"documentation": null,
"simpleType": "CreateNetworkAclEntryResult",
"variableSetterType": "CreateNetworkAclEntryResult"
},
"wrapper": false
},
"CreateNetworkAclRequest": {
"c2jName": "CreateNetworkAclRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateNetworkAcl.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "CreateNetworkAcl",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
}.
"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/"
Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
];
"membersAsMap" : {
  "VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@override
public void setVpcId(String vpcId) {
    this.vpcId = vpcId;
    this.setVpcId(vpcId);
}

@override
public String getVpcId() {
    return this.vpcId;
}
*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@override
public String getVpcId() {
    return this.vpcId;
}
*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "vpcId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VpcId",
    "requestMembers" : {
      "VpcId" : {
        "c2jName" : "VpcId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@override
public void setVpcId(String vpcId) {
    this.vpcId = vpcId;
    this.setVpcId(vpcId);
}

@override
public String getVpcId() {
    return this.vpcId;
}
*/",
        "fluentSetterMethodName" : "withVpcId",
        "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@override
public String getVpcId() {
    return this.vpcId;
}
*/",
        "getterMethodName" : "getVpcId",
        "getterModel" : {
          "returnType" : "String",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
          "marshallLocationName" : "VpcId",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "vpcId",
          "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "VpcId",
    }
  }
}
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@\n@vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@\n@vpcId The ID of the VPC.
\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The ID of the VPC.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "CreateNetworkAclRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateNetworkAclRequest",
"variableName" : "createNetworkAclRequest",
"variableType" : "CreateNetworkAclRequest",
"documentation" : null,
"simpleType" : "CreateNetworkAclRequest",
"variableSetterType" : "CreateNetworkAclRequest"
},
"wrapper" : false
},
"CreateNetworkAclResult" : {
"c2jName" : "CreateNetworkAclResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation": "Contains the output of CreateNetworkAcl.<p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "NetworkAcl",
"c2jShape": "NetworkAcl",
"deprecated": false,
"documentation": "Information about the network ACL..<p>",
"enumType": null,
"fluentSetterDocumentation": "Information about the network ACL.<p>
@param networkAcl Information about the network ACL.<p>
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withNetworkAcl",
"getterDocumentation": "Information about the network ACL..<p>
@return Information about the network ACL.<p>
*/",
"getterMethodName": "getNetworkAcl",
"getterModel": {
"returnType": "NetworkAcl",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkAcl",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkAcl",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkAcl",
"setterDocumentation": "Information about the network ACL.<p>
@return Information about the network ACL.<p>
*/",}
"setterMethodName" : "setNetworkAcl",
"setterModel" : {
  "variableDeclarationType" : "NetworkAcl",
  "variableName" : "networkAcl",
  "variableType" : "NetworkAcl",
  "documentation" : "",
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\nInformation about the network ACL.
\n@\n\nInformation about the network ACL.
\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkAcl",
  "variableName" : "networkAcl",
  "variableType" : "NetworkAcl",
  "documentation" : "Information about the network ACL.\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "NetworkAcl" : {
    "c2jName" : "NetworkAcl",
    "c2jShape" : "NetworkAcl",
    "deprecated" : false,
    "documentation" : "Information about the network ACL.\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\nInformation about the network ACL.\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkAcl",
    "getterDocumentation" : "/**\n\nInformation about the network ACL.\n\n\nInformation about the network ACL.\n\n\nReturns a reference to this object so that method calls can be chained together.*/",
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@param networkAcl Information about the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "NetworkAcl"
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@param networkAcl Information about the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "CreateNetworkAclResult"
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    "skipGeneratingUnmarshaller" : false
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  "documentation" : "<p>Contains the parameters for CreateNetworkInterface.</p>",
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    "xmlNameSpaceUri" : null
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    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet to associate with the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the subnet to associate with the network interface.</p>@param subnetId The ID of the subnet to associate with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/*<p>The ID of the subnet to associate with the network interface.</p>@return The ID of the subnet to associate with the network interface.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description for the network interface.</p>
@return A description for the network interface.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*"",
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"simpleType": "String",
"variableSetterType": "String"
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>",
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"fluentSetterDocumentation": "/*<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*"",
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"getterDocumentation": "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).*/",
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"idempotencyToken": false,
"list": false,
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"name": "PrivateIpAddress",
"setterDocumentation": "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).\n@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableType": "String",
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  "variableSetterType": "String"
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"simple": true,
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"
cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary).</p>

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 * The IDs of one or more security groups.
 * @param groups The IDs of one or more security groups.
 * @return Returns a reference to this object so that method calls can be chained together. */
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"getterDocumentation" : "/**
 * The IDs of one or more security groups.
 * @return The IDs of one or more security groups.*/
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
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 * The IDs of one or more security groups.
 * @param groups The IDs of one or more security groups.
 * @return Returns a reference to this object so that method calls can be chained together. */
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 * The IDs of one or more security groups.
 * @return The IDs of one or more security groups.*/
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 * @param groups The IDs of one or more security groups.
 * @return Returns a reference to this object so that method calls can be chained together. */
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 * The IDs of one or more security groups.
 * @return The IDs of one or more security groups.*/
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"c2jShape" : "SecurityGroupIdStringList",
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 * The IDs of one or more security groups.
 * @param groups The IDs of one or more security groups.
 * @return Returns a reference to this object so that method calls can be chained together. */
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 * @return The IDs of one or more security groups.*/
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  "isStreaming" : false,
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    "c2jShape" : "String",
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    "documentation" : "",
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    "variableSetterType" : "String"  
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  "variableSetterType" : "String"
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"c2jShape" : "SecurityGroupIdStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The IDs of one or more security groups.
 * @param groups The IDs of one or more security groups.
 * @return Returns a reference to this object so that method calls can be chained together. */
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"getterDocumentation" : "/**
 * The IDs of one or more security groups.
 * @return The IDs of one or more security groups.*/
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  "interfaceType" : "java.util.List",
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    "variableSetterType" : "String"  
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  "simpleType" : "String",
  "variableSetterType" : "String"}
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@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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"getterDocumentation": "/**
@return */",
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  "documentation": null
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  "unmarshallLocationName": "SecurityGroupId",
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  "documentation": "",
  "simpleType": "String",
  "variable SetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variable SetterType": "String"
},
"simple": true,
**Documentation**

The IDs of one or more security groups.

```java
public void setGroups(java.util.Collection<String> groups) {
    // Method implementation
}
```

**NOTE:** This method appends the values to the existing list (if any). Use `@link #setGroups(java.util.Collection)` or `@link #withGroups(java.util.Collection)` if you want to override the existing values.

```java
public String[] getGroups() {
    return new String[] {
        // Method implementation
    };
}
```

**Return**

Returns a reference to this object so that method calls can be chained together.

```java
public void withGroups(java.util.Collection<String> groups) {
    // Method implementation
}
```

**See also**

- `@link #setGroups(java.util.Collection)` - Method that sets the IDs of one or more security groups.
- `@link #withGroups(java.util.Collection)` - Method that overrides the existing values.
- `@link #getGroups()` - Method that retrieves the IDs of one or more security groups.
- `@link #withGroups(java.util.Collection)` - Method that returns a reference to this object so that method calls can be chained together.
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "PrivateIpAddressSpecificationList",
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses.</p>
@param privateIpAddresses
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**<p>One or more private IPv4 addresses.</p>
@return One or more private IPv4 addresses.*/",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddresses",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PrivateIpAddressSpecification",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PrivateIpAddressSpecification",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PrivateIpAddressSpecification",
  "variableName" : "member",
  "variableType" : "PrivateIpAddressSpecification",
  "documentation" : "",
  "simpleType" : "PrivateIpAddressSpecification",
  "variableSetterType" : "PrivateIpAddressSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * @param member 
 * @return Returns a reference to this object so that
 * method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PrivateIpAddressSpecification",
  "variableName" : "member",
  "variableType" : "PrivateIpAddressSpecification",
  "documentation" : "",
  "simpleType" : "PrivateIpAddressSpecification",
  "variableSetterType" : "PrivateIpAddressSpecification"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberLocationName" : "item"
"memberType" : "PrivateIpAddressSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**\n<p>One or more private IPv4 addresses.</p>
@param privateIpAddresses One or more private IPv4 addresses.*\n*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddressSpecification>",
"documentation" : "",
"simpleType" : "List<PrivateIpAddressSpecification>",
"variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>One or more private IPv4 addresses.</p>
<p>NOTE:/\n<b>This method appends the values to the existing list (if any). Use [@link #setPrivateIpAddresses(java.util.Collection)] or [@link #withPrivateIpAddresses(java.util.Collection)] if you want to override the existing values.</p>,</p>
@param privateIpAddresses One or more private IPv4 addresses.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddressSpecification>",
"documentation" : "<p>One or more private IPv4 addresses.</p>",
"simpleType" : "List<PrivateIpAddressSpecification>",
"variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.</p>
<p>The number of IP addresses you can assign to a network interface

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vares by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

"enumType" : null,

"fluentSetterDocumentation" : "/**
\pnThe number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `privateIpAddresses`.

\pnThe number of IP addresses you can assign to a network interface varies by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

\@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses to assign to a network interface.

When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `privateIpAddresses`.

\pnThe number of IP addresses you can assign to a network interface varies by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

\@return Returns a reference to this object so that method calls can be chained together.
*/",

"getterDocumentation" : "/**
\pnThe number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `privateIpAddresses`.

\pnThe number of IP addresses you can assign to a network interface varies by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

\@return The number of secondary private IPv4 addresses to assign to a network interface.

When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `privateIpAddresses`.

\pnThe number of IP addresses you can assign to a network interface varies by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

\@return The number of IP addresses you can assign to a network interface varies by instance type. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

"getterMethodName" : "getSecondaryPrivateIpAddressCount",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecondaryPrivateIpAddressCount",
"variableDeclarationType" : "Integer",
"variableName" : "secondaryPrivateIpAddressCount",
"variableType" : "Integer",
"documentation" : "/**
The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.*/",
"setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "/**
The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
*/",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
*/"}
Per ENI Per Instance Type in the Amazon Virtual Private Cloud User Guide. Returns a reference to this object so that method calls can be chained together.$*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.<p> The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the Amazon Virtual Private Cloud User Guide.</p>

"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.<p>

"enumType" : null,

"fluentSetterDocumentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.<p>

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6Addresses",
"uri": false
},
"idempotencyToken": false,
"list": true,
"ListModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
    *param member
    *return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
    *return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InstanceIpv6Address",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "ListModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
    *param member */
    },
setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "InstanceIpv6Address",
    "variableName" : "member",
    "variableType" : "InstanceIpv6Address",
    "documentation" : "",
    "simpleType" : "InstanceIpv6Address",
    "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "InstanceIpv6Address",
    "variableName" : "member",
    "variableType" : "InstanceIpv6Address",
    "documentation" : "",
    "simpleType" : "InstanceIpv6Address",
    "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>
@param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<InstanceIpv6Address>",
    "documentation" : "",
    "simpleType" : "List<InstanceIpv6Address>",
    "simple" : false,
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>

NOTE:<h1> This method appends the values to the existing list (if any). Use \{ @link #setIpv6Addresses(java.util.Collection)\} or \{ @link #withIpv6Addresses(java.util.Collection)\} if you want to override the existing values.</h1>

@inheritdoc

\param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.

\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>

You can't use this option if you're specifying a number of IPv6 addresses./p>",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"xmlNameSpaceUri" : null
}, {"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n@inheritdoc\n
\param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n\return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n@inheritdoc\n
\param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n@inheritdoc\n
\return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n@inheritdoc\n
\param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n\return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n@inheritdoc\n
\param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.\n\return Returns a reference to this object so that method calls can be chained together.*/
}
"returnType" : "Integer",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6AddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6AddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>\n@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>*/"}
the `<code>AssignIpv6AddressOnCreation</code>` attribute set to `<code>true</code>`, you can specify <code>0</code> to override this setting.

@return Returns a reference to this object so that method calls can be chained together.

```

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the `<code>AssignIpv6AddressOnCreation</code>` attribute set to `<code>true</code>`, you can specify <code>0</code> to override this setting."
},
"xmlNameSpaceUri" : null
`,

"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A description for the network interface.

@return A description for the network interface.

/**
 * A description for the network interface.
 */

getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false

```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of one or more security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@return The IDs of one or more security groups.*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
}
"http": {  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecurityGroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecurityGroupId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns\n\nReturns a reference to this object so that
method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {  
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "SecurityGroupId",
    "queryString": false,
    "statusCode": false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.\n</p>\n@param groups The IDs of"
one or more security groups.*"/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link setGroups(java.util.Collection)] or [link withGroups(java.util.Collection)] if you want to override the existing values.</p><param groups The IDs of one or more security groups.</param><return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The IDs of one or more security groups.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p><param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</param><return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6AddressCount",
  "getterDocumentation" : "/**<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p><param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</param><return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getIpv6AddressCount",
  "getterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link setGroups(java.util.Collection)] or [link withGroups(java.util.Collection)] if you want to override the existing values.</p><param groups The IDs of one or more security groups.</param><return Returns a reference to this object so that method calls can be chained together.*/
  },
  "xmlNameSpaceUri" : null
}
you can specify `<code>0</code>` to override this setting.</p>

@returns The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the `<code>AssignIpv6AddressOnCreation</code>` attribute set to `<code>true</code>`, you can specify `<code>0</code>` to override this setting.*"/

```
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6AddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6AddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/*<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the `<code>AssignIpv6AddressOnCreation</code>` attribute set to `<code>true</code>`, you can specify `<code>0</code>` to override this setting.</p>@param ipv6AddressCount The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the `<code>AssignIpv6AddressOnCreation</code>` attribute set to `<code>true</code>`, you can specify `<code>0</code>` to override this setting.*"/

```
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.

```
/**
 * The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.
 *
 * @param ipv6AddressCount
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "InstanceIpv6AddressList",
  "deprecated" : false,
  "documentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet.
You can't use this option if you're specifying a number of IPv6 addresses.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.
",
  "fluentSetterMethodName" : "withIpv6Addresses",
  "getterDocumentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet.
You can't use this option if you're specifying a number of IPv6 addresses.
",
  "getterMethodName" : "getIpv6Addresses",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceIpv6Address>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Addresses",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6Addresses",
"uri": false
],
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "InstanceIpv6Address",
"variableName": "member",
"variableType": "InstanceIpv6Address",
"documentation": "",
"simpleType": "InstanceIpv6Address",
"variableSetterType": "InstanceIpv6Address"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "InstanceIpv6Address",
"variableName": "member",
"variableType": "InstanceIpv6Address",
"documentation": "",
"simpleType": "InstanceIpv6Address",
"variableSetterType": "InstanceIpv6Address"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceIpv6Address",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceIpv6Address",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType": "java.util.List<InstanceIpv6Address>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Addresses",
"setterDocumentation": "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>\n@param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.*/",
"setterMethodName": "setIpv6Addresses",
"setterModel": {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>
@param ipv6Addresses One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<InstanceIpv6Address>",
    "documentation" : "One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet.
You can't use this option if you're specifying a number of IPv6 addresses.",
    "simpleType" : "List<InstanceIpv6Address>",
    "variableSetterType" : "java.util.Collection<InstanceIpv6Address>",
    "xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
    "c2jName" : "PrivateIpAddress",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).</p>
@param privateIpAddress The primary private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrivateIpAddress",
    "getterDocumentation" : "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in <code>privateIpAddresses</code> as primary (only one IP address can be designated as primary).
@return The primary private IPv4 address of the network interface.
*/"}
If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary). */

```
getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary).</p>
@param privateIpAddress The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary). */

```
address, you cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary).

```java
public class NetworkInterface
{
    //...

    @Parameter
    private String privateIpAddress;

    //...

    public List<PrivateIpAddressSpecification> getPrivateIpAddresses()
    {
        return privateIpAddresses;
    }

    //...

    public void setPrivateIpAddresses(List<PrivateIpAddressSpecification> privateIpAddresses)
    {
        this.privateIpAddresses = privateIpAddresses;
    }

    //...

    public static class PrivateIpAddresses
    {
        //...
    }

    //...

    public static class PrivateIpAddressSpecification
    {
        //...
    }

    //...
}
```

Returns a reference to this object so that method calls can be chained together.

**variable**
- **variableDeclarationType**: `String`
- **variableName**: `privateIpAddress`
- **variableType**: `String`
- **documentation**: `The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary).`
"unmarshallLocationName": "privateIpAddresses",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "PrivateIpAddressSpecification",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "PrivateIpAddressSpecification",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "PrivateIpAddressSpecification",
"returnType": "PrivateIpAddressSpecification",
"documentation": null
},
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
],
"simple" : false,
"varargSetterDocumentation" : "/*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrivateIpAddressSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>",
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/*\n@param privateIpAddresses One or more private IPv4 addresses.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddressSpecification>",
"documentation" : "",
"simpleType" : "List<PrivateIpAddressSpecification>",
"variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "/*\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.List<PrivateIpAddressSpecification>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddressSpecification>",
"documentation" : "",
"simpleType" : "List<PrivateIpAddressSpecification>",
"variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "/*\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.List<PrivateIpAddressSpecification>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddressSpecification>",
"documentation" : "",
"simpleType" : "List<PrivateIpAddressSpecification>",
"variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>",
},
"simple" : false,
"variable": {  
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",  
  "variableName": "privateIpAddresses",  
  "variableType": "java.util.List<PrivateIpAddressSpecification>",  
  "documentation": "One or more private IPv4 addresses.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n  
  },  
  "xmlNameSpaceUri": null  
},  
"SecondaryPrivateIpAddressCount": {  
  "c2jName": "SecondaryPrivateIpAddressCount",  
  "c2jShape": "Integer",  
  "deprecated": false,  
  "documentation": "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.\n\n@return The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
\n@return Returns a reference to this object so that method calls can be chained together.*\n  
  },  
  "enumType": null,  
  "fluentSetterDocumentation": "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.\n\n@return The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
\n@return Returns a reference to this object so that method calls can be chained together.*\n  
  },  
  "fluentSetterMethodName": "withSecondaryPrivateIpAddressCount",  
  "getterDocumentation": "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.\n\n@return The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
\n@return Returns a reference to this object so that method calls can be chained together.*\n  
  },  
  "getterMethodName": "getSecondaryPrivateIpAddressCount",  
  "simpleType": "Integer",  
  "variableSetterType": "java.util.Collection<PrivateIpAddressSpecification>"}
number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the Amazon Virtual Private Cloud User Guide.

```java
getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecondaryPrivateIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "secondaryPrivateIpAddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the Amazon Virtual Private Cloud User Guide.

@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using <code>privateIpAddresses</code>.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the Amazon Virtual Private Cloud User Guide.
```
```
The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `<code>privateIpAddresses</code>`.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

```
/*
 * param secondaryPrivateIpAddressCount
 * 
 * The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `<code>privateIpAddresses</code>`.
 * 
 * The number of IP addresses you can assign to a network interface varies by instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```
*/
*/
*/

```
/*
 * param subnetId
 * 
 * The ID of the subnet to associate with the network interface.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>*/
return The ID of the subnet to associate with the network interface.*/
getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
?idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>*/
@param subnetId The ID of the subnet to associate with the network interface.*/
setterMethodName" : "setSubnetId",
"setterModel" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet to associate with the network interface.</p>*/
@param subnetId The ID of the subnet to associate with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String"
"documentation": "The ID of the subnet to associate with the network interface.",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerClassFqcn": null,
"required": [ "SubnetId" ],
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"unmarshaller": null,
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"variableName": "createNetworkInterfaceRequest",
"variableType": "CreateNetworkInterfaceRequest",
"documentation": null,
"simpleType": "CreateNetworkInterfaceRequest",
"variableSetterType": "CreateNetworkInterfaceRequest"
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"wrapper": false
},
"CreateNetworkInterfaceResult": {
"c2jName": "CreateNetworkInterfaceResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Contains the output of CreateNetworkInterface.",
"enums": null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "NetworkInterface",
"c2jShape": "NetworkInterface",
"deprecated": false,
"documentation": "Information about the network interface.",
"enumType": null,
"fluentSetterDocumentation": "Information about the network interface.
@returns Returns a reference to this object so that method calls can be chained together.*/",}
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"getterDocumentation" : "/**<p>Information about the network interface.</p>
@return Information about the network interface.*/",
"getterMethodName" : "getNetworkInterface",
"getterModel" : {
"returnType" : "NetworkInterface",
"documentation" : null
},
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "networkInterface",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterface",
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@param networkInterface Information about the network interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterface",
"setterModel" : {
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"variableName" : "networkInterface",
"variableType" : "NetworkInterface",
"documentation" : "",
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the network interface.</p>
@param networkInterface Information about the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "networkInterface",
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"documentation": "<p>Information about the network interface.</p>",
"simpleType": "NetworkInterface",
"variableSetterType": "NetworkInterface"
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"c2jShape": "NetworkInterface",
"deprecated": false,
"documentation": "<p>Information about the network interface.</p>",
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@param networkInterface Information about the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterface",
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@return Information about the network interface.*/",
"getterMethodName": "getNetworkInterface",
"getterModel": {
"returnType": "NetworkInterface",
"documentation": null
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"statusCode": false,
"unmarshallLocationName": "networkInterface",
"uri": false
},
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"listModel": null,
"map": false,
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@param networkInterface Information about the network interface.*/",
"setterMethodName": "setNetworkInterface",
"setterModel": null,
"simpleType": "NetworkInterface",
"variableSetterType": "NetworkInterface"}
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    "variableName" : "networkInterface",
    "variableType" : "NetworkInterface",
    "documentation" : "",
    "simpleType" : "NetworkInterface",
    "variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the network interface.
 *\n * @param networkInterface Information about the network interface.
 *\n * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "networkInterface",
    "variableType" : "NetworkInterface",
    "documentation" : "Information about the network interface.<p>\n</p>
@param networkInterface Information about the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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        "variableName" : "createNetworkInterfaceResult",
        "variableType" : "CreateNetworkInterfaceResult",
        "documentation" : null,
        "simpleType" : "CreateNetworkInterfaceResult",
        "variableSetterType" : "CreateNetworkInterfaceResult"
    },
    "wrapper" : false
},
"CreatePlacementGroupRequest" : {
    "c2jName" : "CreatePlacementGroupRequest",
    "customization" : {
        "artificialResultWrapper" : null,
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : /*<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters*/",
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  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Strategy",
  "c2jShape" : "PlacementStrategy",
  "deprecated" : false,
  "documentation" : "<p>The placement strategy.</p>",
  "enumType" : "PlacementStrategy",
  "fluentSetterDocumentation" : "/*<p>The placement strategy.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlacementStrategy*/",
  "fluentSetterMethodName" : "withStrategy",
  "getterDocumentation" : "/*<p>The placement strategy.</p>\n@return The placement strategy.\n@see PlacementStrategy*/",
  "getterMethodName" : "getStrategy",
  "getterModel" : {
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  "c2jShape" : "PlacementStrategy",
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  "documentation" : "<p>The placement strategy.</p>",
  "enumType" : "PlacementStrategy",
  "fluentSetterDocumentation" : "/*<p>The placement strategy.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlacementStrategy*/",
  "fluentSetterMethodName" : "withStrategy",
  "getterDocumentation" : "/*<p>The placement strategy.</p>\n@return The placement strategy.\n@see PlacementStrategy*/",
  "getterMethodName" : "getStrategy",
  "getterModel" : {
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  "c2jShape" : "PlacementStrategy",
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  "documentation" : "<p>The placement strategy.</p>",
  "enumType" : "PlacementStrategy",
  "fluentSetterDocumentation" : "/*<p>The placement strategy.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlacementStrategy*/",
  "fluentSetterMethodName" : "withStrategy",
  "getterDocumentation" : "/*<p>The placement strategy.</p>\n@return The placement strategy.\n@see PlacementStrategy*/"}
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Strategy",
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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "strategy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The placement strategy.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "GroupName" : {
    "c2jName" : "GroupName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    \n    @param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    \n    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withGroupName",
    "getterDocumentation" : "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    \n    @return A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    */",
    "getterMethodName" : "getGroupName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "GroupName",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupName",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "GroupName",
    "setterDocumentation" : "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    \n    @param groupName A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
    \n    @return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "setterMethodName" : "setGroupName",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "groupName",
    }}}}
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>
@param groupName A name for the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Strategy" : {
  "c2jName" : "Strategy",
  "c2jShape" : "PlacementStrategy",
  "deprecated" : false,
  "documentation" : "<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
  "fluentSetterDocumentation" : "/**<p>The placement strategy.</p>\n@param strategy The placement strategy.\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlacementStrategy*/",
  "fluentSetterMethodName" : "withStrategy",
  "getterDocumentation" : "/**<p>The placement strategy.</p>\n@return The placement strategy.\n@see PlacementStrategy*/",
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  "getterModel" : {
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    "documentation" : null
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    "header" : false,
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    "isStreaming" : false,
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"statusCode" : null,
"unmarshallLocationName" : "strategy",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Strategy",
"setterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@see PlacementStrategy*/",
"setterMethodName" : "setStrategy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "strategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
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  "variableName" : "strategy",
  "variableType" : "String",
  "documentation" : "<p>The placement strategy.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupName", "Strategy" ],
"shapeName" : "CreatePlacementGroupRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreatePlacementGroupRequest",
  "variableName" : "createPlacementGroupRequest",
  "variableType" : "CreatePlacementGroupRequest",
  "documentation" : null,
  "simpleType" : "CreatePlacementGroupRequest",
  "variableSetterType" : "CreatePlacementGroupRequest"
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  "c2jName" : "CreatePlacementGroupResult",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
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  "requestSignerClassFqcn" : null,
  "required" : null,
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    "resultWrapper" : null
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    "variableName" : "createPlacementGroupResult",
    "variableType" : "CreatePlacementGroupResult",
    "documentation" : null,
    "simpleType" : "CreatePlacementGroupResult",
    "variableSetterType" : "CreatePlacementGroupResult"
  },
  "wrapper" : false
},

"CreateReservedInstancesListingRequest" : {
  "c2jName" : "CreateReservedInstancesListingRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "CreateReservedInstancesListingRequest",
  "unmarshaller" : { 
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    "resultWrapper" : null
  },
  "variable" : { 
    "variableDeclarationType" : "CreateReservedInstancesListingRequest",
    "variableName" : "createReservedInstancesListingRequest",
    "variableType" : "CreateReservedInstancesListingRequest",
    "documentation" : null,
    "simpleType" : "CreateReservedInstancesListingRequest",
    "variableSetterType" : "CreateReservedInstancesListingRequest"
  },
  "wrapper" : false
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateReservedInstancesListing",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/),
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@return The ID of the active Standard Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  }
},

"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/),
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@return The ID of the active Standard Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  },

"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/),
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@return The ID of the active Standard Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  },

"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/),
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@return The ID of the active Standard Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  },

"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateReservedInstancesListing",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/),
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@return The ID of the active Standard Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  },

"deprecated" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the active Standard Reserved Instance.</p>
@param reservedInstancesId The ID of the active Standard Reserved Instance.\
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID of the active Standard Reserved Instance.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>
@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>
@return The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/"
part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*"},
"getterMethodName" : "getInstanceCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/*<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*"",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This
number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.

```java
@return Returns a reference to this object so that method calls can be chained together.*]/",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
,"xmlNameSpaceUri" : null
},
"c2jName" : "PriceSchedules",
"c2jShape" : "PriceScheduleSpecificationList",
"deprecated" : false,
"documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPriceSchedules",
"getterDocumentation" : "/**<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@return A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.*/",
"getterMethodName" : "getPriceSchedules",
"getterModel" : {
  "returnType" : "java.util.List<PriceScheduleSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PriceSchedules",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "priceSchedules",
  "uri" : false
},
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
,"xmlNameSpaceUri" : null
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "PriceScheduleSpecification",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * param member
     * return Returns a reference to this object so that
     * method calls can be chained together.
     */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/*
     * return *
     */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "PriceScheduleSpecification",
      "documentation": null
    }
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n  @param member 
  @return Returns a reference to this object so that
  method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "PriceScheduleSpecification",
  "variableName": "member",
  "variableType": "PriceScheduleSpecification",
  "documentation": ""
"simpleType" : "PriceScheduleSpecification",
"variableSetterType" : "PriceScheduleSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PriceScheduleSpecification",
"variableName" : "member",
"variableType" : "PriceScheduleSpecification",
"documentation" : "",
"simpleType" : "PriceScheduleSpecification",
"variableSetterType" : "PriceScheduleSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PriceScheduleSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PriceScheduleSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
"templateType" : "java.util.List<PriceScheduleSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "PriceSchedules",
"setterDocumentation" : "/**\n<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.*/",
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
"variableName" : "priceSchedules",
"variableType" : "java.util.List<PriceScheduleSpecification>",
"documentation" : "",
"simpleType" : "List<PriceScheduleSpecification>",
"variableSetterType" : "java.util.Collection<PriceScheduleSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>

\n@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p><\n><b>\nNOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPriceSchedules(java.util.Collection)} or {@link #withPriceSchedules(java.util.Collection)} if you want to override the existing values.<p>
\n@param
priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the
Reserved Instance term.

@<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>

```
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
    "variableName" : "priceSchedules",
    "variableType" : "java.util.List<PriceScheduleSpecification>",
    "documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>",
    "simpleType" : "List<PriceScheduleSpecification>",
    "variableSetterType" : "java.util.Collection<PriceScheduleSpecification>",
",
    "xmlnsNameSpaceUri" : null
},
```

This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```
"f<em>luentSetterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n<p>@return Returns a reference to this object so that method calls can be chained together.*/",

"f<em>luentSetterMethodName" : "withClientToken",

"getterDocumentation" : "/**\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n<p>@return Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

"getterMethodName" : "getClientToken",
"getterModel" : {["returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>&gt;</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>&gt;</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
"simpleType" : "String",
  "variableSetterType" : "String"
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>">

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"fluentSetterMethodName" : "withClientToken",

"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getClientToken",
"getterModel" : { "returnType" : "String",
"documentation" : null
},

"http" : { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together."",
"setterMethodName": "setClientToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together."",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together."",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"InstanceCount": {
  "c2jName": "InstanceCount",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "The number of instances that are a part of a Reserved Instance account to be listed in
the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with
the Reserved Instance ID specified in this call.</p",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account
to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count
associated with the Reserved Instance ID specified in this call.</p>\n@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.\n@return The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be
listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count
associated with the Reserved Instance ID specified in this call.</p>
@return The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of instances that are a part of a Reserved Instance account to be
listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count
associated with the Reserved Instance ID specified in this call.</p>
@param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.*/",
"setterMethodName" : "setInstanceCount"
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.
   */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.</p>
  @param instanceCount The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"},
"xmlNameSpaceUri" : null
},
"PriceSchedules" : {
  "c2jName" : "PriceSchedules",
  "c2jShape" : "PriceScheduleSpecificationList",
  "deprecated" : false,
  "documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>
  @param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
   */",
  "fluentSetterMethodName" : "withPriceSchedules",
  "getterDocumentation" : "/**\n   * A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
   */",
  "getterMethodName" : "getPriceSchedules",
  "getterModel" : {
    "returnType" : "java.util.List<PriceScheduleSpecification>",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PriceSchedules",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "priceSchedules",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PriceScheduleSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
  * @param member 
  * @return Returns a reference to this object so that
  * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n  * @param member 
  * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PriceScheduleSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.

```java
/**
 * A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.
 */
```
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
    "variableName" : "priceSchedules",
    "variableType" : "java.util.List<PriceScheduleSpecification>",
    "documentation" : "",
    "simpleType" : "List<PriceScheduleSpecification>",
    "variableSetterType" : "java.util.Collection<PriceScheduleSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term. \n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPriceSchedules(java.util.Collection)} or {@link #withPriceSchedules(java.util.Collection)} if you want to override the existing values.\n@param priceSchedules A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceScheduleSpecification>",
    "variableName" : "priceSchedules",
    "variableType" : "java.util.List<PriceScheduleSpecification>",
    "documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.\n</p>",
    "simpleType" : "List<PriceScheduleSpecification>",
    "variableSetterType" : "java.util.Collection<PriceScheduleSpecification>"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesId" : {
    "c2jName" : "ReservedInstancesId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the active Standard Reserved Instance.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The ID of the active Standard Reserved Instance.\n@param reservedInstancesId The ID of the active Standard Reserved Instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesId",
    "getterDocumentation" : "<p>The ID of the active Standard Reserved Instance.\n@return The ID of the active Standard Reserved Instance.*/",
    "getReservedInstancesId" : {
        "getterMethodName" : "getReservedInstancesId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
        },
"reservedInstancesId": The ID of the active Standard Reserved Instance.

`setReservedInstancesId` The ID of the active Standard Reserved Instance.

```java
return
```

The ID of the active Standard Reserved Instance.

```java

```
"variable": {
  "variableDeclarationType": "CreateReservedInstancesListingRequest",
  "variableName": "createReservedInstancesListingRequest",
  "variableType": "CreateReservedInstancesListingRequest",
  "documentation": null,
  "simpleType": "CreateReservedInstancesListingRequest",
  "variableSetterType": "CreateReservedInstancesListingRequest"
},
"wrapper": false
},
"CreateReservedInstancesListingResult": {
  "c2jName": "CreateReservedInstancesListingResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateReservedInstancesListing.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "ReservedInstancesListings",
    "c2jShape": "ReservedInstancesListingList",
    "deprecated": false,
    "documentation": "<p>Information about the Standard Reserved Instance listing.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/*<p>Information about the Standard Reserved Instance listing.
@Param reservedInstancesListings Information about the Standard Reserved Instance listing.
@Return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withReservedInstancesListings",
    "getterDocumentation": "/*<p>Information about the Standard Reserved Instance listing.
@Return Information about the Standard Reserved Instance listing.*/",
    "getterMethodName": "getReservedInstancesListings",
    "getterModel": {
      "returnType": "java.util.List<ReservedInstancesListing>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesListingsSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "reservedInstancesListingsSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ReservedInstancesListing",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/*\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/*\n@param reservedInstancesListings Information about the Standard Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings"
}
"variableType" : "java.util.List<ReservedInstancesListing>",
"documentation" : "",
"simpleType" : "List<ReservedInstancesListing>",
"variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\*
Information about the Standard Reserved Instance listing.
\nNOTE:\b This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing values.\n
@\param reservedInstancesListings Information about the Standard Reserved Instance listing.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"variableName" : "reservedInstancesListings",
"variableType" : "java.util.List<ReservedInstancesListing>",
"documentation" : "Information about the Standard Reserved Instance listing.",
"simpleType" : "List<ReservedInstancesListing>",
"variableSetterType" : "java.util.Collection<ReservedInstancesListing>"
},
"xmlNameSpaceUri" : null
",
"membersAsMap" : {
"ReservedInstancesListings" : {
"c2jName" : "ReservedInstancesListings",
"c2jShape" : "ReservedInstancesListingList",
"deprecated" : false,
"documentation" : "Information about the Standard Reserved Instance listing.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\*
Information about the Standard Reserved Instance listing.\n
@\param reservedInstancesListings Information about the Standard Reserved Instance listing.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListings",
"getterDocumentation" : "/**\*
Information about the Standard Reserved Instance listing.\n
@return Information about the Standard Reserved Instance listing.*/",
"getMethodName" : "getReservedInstancesListings",
"getModel" : {
"returnType" : "java.util.List<ReservedInstancesListing>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
    "variableName" : "reservedInstancesListings",
    "variableType" : "java.util.List<ReservedInstancesListing>",
    "documentation" : "Information about the Standard Reserved Instance listing.
    <p>NOTE:<b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesListings(java.util.Collection)} or {@link #withReservedInstancesListings(java.util.Collection)} if you want to override the existing values.</b></p>
    <p>@param reservedInstancesListings Information about the Standard Reserved Instance listing.</p>
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>
},
"wrapper" : false
}
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : { 
  "action" : "CreateRoute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ 
  { 
    "c2jName" : "RouteTableId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the route table for the route.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the route table for the route.&lt;/p&gt;&lt;@param routeTableId The ID of the route table for the route.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p/&gt;",
    "fluentSetterMethodName" : "withRouteTableId",
    "getterDocumentation" : "/**&lt;p&gt;The ID of the route table for the route.&lt;/p&gt;&lt;@return The ID of the route table for the route.*/&lt;/p/&gt;",
    "getterMethodName" : "getRouteTableId",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "RouteTableId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "routeTableId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  },
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table for the route.</p>
@param routeTableId The ID of the route table for the route.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table for the route.</p>
@param routeTableId The ID of the route table for the route.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table for the route.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>
@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>
@return The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.*/",
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"header" : false,
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"location" : null,
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"uri" : false
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"list" : false,
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>\n@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "GatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p><ul><li>@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.</li><li>@return Returns a reference to this object so that method calls can be chained together.</li></ul>*/",
"getterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p><ul><li>@return The ID of an Internet gateway or virtual private gateway attached to your VPC.</li></ul>*/",
"getterMethodName" : "getGatewayId",
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  "documentation" : null
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "gatewayId",
  "uri" : false
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    @return Returns a reference to this object so that method calls can be chained together.
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
    ",
    "enumType" : null,
    "fluentSetterDocumentation" : "The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
    @param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
    @return Returns a reference to this object so that method calls can be chained together.
    ",
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    "getterDocumentation" : "The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
    @return The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
    ",
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "destinationIpv6CidrBlock",
        "uri" : false
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}
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@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>

  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"c2jName" : "EgressOnlyInternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>

  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
  "getterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getEgressOnlyInternetGatewayId",
  "getterModel" : {
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    "getEgressOnlyInternetGatewayId" : "getEgressOnlyInternetGatewayId",
    "returnType" : "String"}
"documentation": null,
"http": {
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"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayId",
"setterDocumentation": "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>
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  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.<p>",
"enumType" : null,
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@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
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@return The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.<p>",
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  "documentation" : null
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  "isStreaming" : false,
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"setterDocumentation" : "The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.<p>
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  "variableType" : "String"}
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"variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri": null
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"c2jShape": "String",
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"documentation": "<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The ID of a network interface.</p>@return The ID of a network interface.
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType" : null,
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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 "getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
  @return The ID of a VPC peering connection.
  @return The ID of a VPC peering connection.*/",
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  "documentation" : null
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    "isPayload" : false,
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"list" : false,
"listModel" : null,
"map" : false,
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"setterDocumentation" : "/**\n*p The ID of a VPC peering connection.\n*@param vpcPeeringConnectionId The ID of a VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
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    "documentation" : "",
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    "variableSetterType" : "String"
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"variable" : {
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "NatGatewayId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param
natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayId",
"getterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@return [IPv4 traffic only] The ID of a NAT gateway.*/",
"getterMethodName" : "getNatGatewayId",
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 "isStreaming" : false,
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"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
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natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "natGatewayId",
 "variableType" : "String",
 "documentation" : "",
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 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p><p>@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.</p><p>@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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  "variableSetterType" : "String"
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},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ":<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p><p>@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.</p><p>@return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName" : "withDestinationCidrBlock",
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "destinationCidrBlock",
      "uri" : false
"}
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DestinationCidrBlock",
"setterDocumentation": "/**<p>The IPv4 CIDR address block used for the destination match. Routing
decisions are based on the most specific match.</p>*/
@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. Routing
decisions are based on the most specific match.*/",
"setterMethodName": "setDestinationCidrBlock",
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  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The IPv4 CIDR address block used for the destination match. Routing
decisions are based on the most specific match.</p>*/
@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. Routing
decisions are based on the most specific match.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "The IPv4 CIDR address block used for the destination match. Routing decisions are
based on the most specific match.
",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
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the most specific match.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The IPv6 CIDR block used for the destination match. Routing
decisions are based on the most specific match.</p>*/
@<p param destinationIpv6CidrBlock> The IPv6 CIDR block used for the destination match. Routing
decisions are based on the most specific match.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are
based on the most specific match.</p>*/
@<p param destinationIpv6CidrBlock> The IPv6 CIDR block used for the destination match. Routing
decisions are based on the most specific match.\n@return Returns a reference to this object so that method calls can be chained together.*/"}
The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.

```java
@<p>return The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match. */

```

```
"getterMethodName" : "getDestinationIpv6CidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DestinationIpv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "destinationIpv6CidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationIpv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match. */

```

```
"setterMethodName" : "setDestinationIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.\n@return Returns a reference to this object so that method calls can be chained together. */

```

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
```
"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EgressOnlyInternetGatewayId" : {
"c2jName" : "EgressOnlyInternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*@\*<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>@*/\n@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",
"getterDocumentation" : "/*@\*<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>@*/\n\n\n@return \n[IPv6 traffic only] The ID of an egress-only Internet gateway.*/",
"getterMethodName" : "getEgressOnlyInternetGatewayId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "/*@\*<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>@*/\n@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.*/",}
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet
gateway.</p><p>@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet
gateway.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GatewayId" : {
  "c2jName" : "GatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>*/",
  "getterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>*/",
  "getterMethodName" : "getGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "GatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "gatewayId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your
VPC.</p>*/
@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.*="/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of an Internet gateway or virtual private gateway attached to your
VPC.</p>*/
@param gatewayId The ID of an Internet gateway or virtual private gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance
ID unless exactly one network interface is attached.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC. The operation fails if you
specify an instance ID unless exactly one network interface is attached.</p>*/
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*="/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance
ID unless exactly one network interface is attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"networkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a network interface in your VPC. The operation fails if you specify a
network interface ID unless exactly one network interface is attached.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of a network interface in your VPC. The operation fails if you
specify a network interface ID unless exactly one network interface is attached.</p>*/
@param networkInterfaceId The ID of a network interface in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a network interface in your VPC. The operation fails if you specify a
network interface ID unless exactly one network interface is attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
attached.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>\n@returns The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>\n@param instanceId The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NatGatewayId" : {
    "c2jName" : "NatGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "[IPv4 traffic only] The ID of a NAT gateway.<p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param
@n@param
natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@n@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNatGatewayId",
    "getterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@return
[IPv4 traffic only] The ID of a NAT gateway.*/",
    "getterMethodName" : "getNatGatewayId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NatGatewayId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "natGatewayId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "natGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "natGatewayId",
    "variableType" : "String",
    "documentation" : "[IPv4 traffic only] The ID of a NAT gateway.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of a network interface.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of a network interface.</p>
@return The ID of a network interface.*/",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of a network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"RouteTableId": {
  "c2jName": "RouteTableId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the route table for the route.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the route table for the route.</p>
@param routeTableId The ID of the route table for the route.*/",
"name": "RouteTableId",
"setterDocumentation": "/**<p>The ID of the route table for the route.</p>
@param routeTableId The ID of the route table for the route.*/
"setterMethodName": "setRouteTableId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the route table for the route.</p>
@param routeTableId The ID of the route table for the route.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "<p>The ID of the route table for the route.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
ID of the route table for the route.

```
/**
 * The ID of the route table for the route.
 * @return The ID of the route table for the route.
 */

public String getRouteTableId();
```

```
/**
 * The ID of the route table for the route.
 * @param routeTableId The ID of the route table for the route.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public void setRouteTableId(String routeTableId);
```
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table for the route.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcPeeringConnectionId" : {
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of a VPC peering connection.*/"
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "RouteTableId" ],
"shapeName" : "CreateRouteRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateRouteRequest",
  "variableName" : "createRouteRequest",
  "variableType" : "CreateRouteRequest",
  "documentation" : null,
  "simpleType" : "CreateRouteRequest",
  "variableSetterType" : "CreateRouteRequest"
},
"wrapper" : false
},
"CreateRouteResult" : {
  "c2jName" : "CreateRouteResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
"documentation": "<p>Contains the output of CreateRoute.\</p>\",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "Return",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withReturn",
  "getterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getReturn",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Return",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "return",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Return",
  "setterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setReturn",
  "setterModel": {
    "returnType": "Boolean",
    "documentation": null
  },
  "streaming": false,
  "value": null
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Return",
"setterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setReturn",
"setterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"streaming": false,
"value": null
}
error.*",  
  "setterMethodName" : "setReturn",  
  "setterModel" : {  
    "variableDeclarationType" : "Boolean",  
    "variableName" : "returnValue",  
    "variableType" : "Boolean",  
    "documentation" : "",  
    "simpleType" : "Boolean",  
    "variableSetterType" : "Boolean"  
  },  
  "simple" : true,  
  "varargSetterDocumentation" : " /**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
  "variable" : {  
    "variableDeclarationType" : "Boolean",  
    "variableName" : "returnValue",  
    "variableType" : "Boolean",  
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "simpleType" : "Boolean",  
    "variableSetterType" : "Boolean"  
  },  
  "xmlNameSpaceUri" : null  
},  
"membersAsMap" : {  
  "Return" : {  
    "c2jName" : "Return",  
    "c2jShape" : "Boolean",  
    "deprecated" : false,  
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "enumType" : null,  
    "fluentSetterDocumentation" : " /**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "fluentSetterMethodName" : "withReturn",  
    "getterDocumentation" : " /**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",  
    "getterMethodName" : "getReturn",  
    "getterModel" : {  
      "returnType" : "Boolean",  
      "documentation" : null  
    },  
    "http" : {  
      "additionalMarshallingPath" : null,  
      "additionalUnmarshallingPath" : null,  
      "flattened" : false,  
      "isTypeBasedMarshalling" : false,  
      "isTypeBasedUnmarshalling" : false,  
      "isTypeBasedMarshallingOnly" : false,  
      "isTypeBasedUnmarshallingOnly" : false,  
      "isTypeBasedMarshallingAndUnmarshalling" : false,  
      "isTypeBasedMarshallingOrUnmarshalling" : false,  
      "isTypeBasedMarshallingAndUnmarshallingOnly" : false,  
      "isTypeBasedMarshallingOrUnmarshallingOnly" : false,  
      "isTypeBasedMarshallingAndUnmarshallingOrOnly" : false,  
      "isTypeBasedMarshallingAndUnmarshallingOrOnlyOnly" : false,  
      "isTypeBasedMarshallingAndUnmarshallingOrOnlyOnlyOnly" : false  
    }  
  }  
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**
 * Returns true if the request succeeds; otherwise, it returns an error.
 */
@param returnValue Returns true if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setReturn",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Returns true if the request succeeds; otherwise, it returns an error.
 */
@param returnValue Returns true if the request succeeds; otherwise, it returns an error.
@returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "<p>Returns true if the request succeeds; otherwise, it returns an error.</p>
@returns a reference to this object so that method calls can be chained together.
*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"shapeName" : "CreateRouteResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
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    "variableName" : "createRouteResult",
    "variableType" : "CreateRouteResult",
    "documentation" : null,
    "simpleType" : "CreateRouteResult",
    "variableSetterType" : "CreateRouteResult"
},
"wrapper" : false
},
"CreateRouteTableRequest" : {
    "c2jName" : "CreateRouteTableRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for CreateRouteTable.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "CreateRouteTable",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "VpcId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the VPC.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@n@return
Returns a reference to this object so that method calls can be chained together.
*/",
            "fluentSetterMethodName" : "withVpcId",
            "simpleType" : null
        }
    ]
}
"getterDocumentation" : "/**<p>The ID of the VPC.</p><p>@return The ID of the VPC.</p>*/", "getterMethodName" : "getVpcId", "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterDocumentation" : "/**<p>The ID of the VPC.</p><p>@return The ID of the VPC.</p>*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p><p>@param vpcId The ID of the VPC.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "*/\*<p>The ID of the VPC.</p>\n@\param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "\n<p>The ID of the VPC.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "CreateRouteTableRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateRouteTableRequest",
  "variableName" : "createRouteTableRequest",
  "variableType" : "CreateRouteTableRequest",
  "documentation" : null,
  "simpleType" : "CreateRouteTableRequest",
  "variableSetterType" : "CreateRouteTableRequest"
},
"wrapper" : false
},
"CreateRouteTableResult" : {
  "c2jName" : "CreateRouteTableResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\n<p>Contains the output of CreateRouteTable.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
"simple" : true,
"varargSetterDocumentation" : "*/\*<p>The ID of the VPC.</p>\n@\param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "\n<p>The ID of the VPC.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "CreateRouteTableRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateRouteTableRequest",
  "variableName" : "createRouteTableRequest",
  "variableType" : "CreateRouteTableRequest",
  "documentation" : null,
  "simpleType" : "CreateRouteTableRequest",
  "variableSetterType" : "CreateRouteTableRequest"
},
"wrapper" : false
},
"CreateRouteTableResult" : {
  "c2jName" : "CreateRouteTableResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\n<p>Contains the output of CreateRouteTable.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
"simple" : true,
"c2jName" : "RouteTable",
"c2jShape" : "RouteTable",
"deprecated" : false,
"documentation" : "<p>Information about the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Information about the route table.</p>
@param routeTable Information about the route table.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withRouteTable",
"getterDocumentation" : "/**
<p>Information about the route table.</p>
@return Information about the route table.
*/",
"getterMethodName" : "getRouteTable",
"getterModel" : {
"returnType" : "RouteTable",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTable",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTable",
"setterDocumentation" : "/**
<p>Information about the route table.</p>
@param routeTable Information about the route table.
*/",
"setterMethodName" : "setRouteTable",
"setterModel" : {
"variableDeclarationType" : "RouteTable",
"variableName" : "routeTable",
"variableType" : "RouteTable",
"documentation" : "",
"simpleType" : "RouteTable",
"variableSetterType" : "RouteTable"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\n@param routeTable
Information about the route table.
\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "RouteTable",
"variableName" : "routeTable",
"variableType" : "RouteTable",
"documentation" : "Information about the route table.",
"simpleType" : "RouteTable",
"variableSetterType" : "RouteTable"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
"RouteTable" : {
"c2jName" : "RouteTable",
"c2jShape" : "RouteTable",
"deprecated" : false,
"documentation" : "Information about the route table.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\n@param routeTable
Information about the route table.
\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withRouteTable",
"getterDocumentation" : "/**\n\n@return Information about the route table.
\n*/",
"getterMethodName" : "getRouteTable",
"getterModel" : {
"returnType" : "RouteTable",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTable",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTable",
"setterDocumentation" : "/** <p>Information about the route table.</p>\n@param routeTable Information about the route table. */",
"setterMethodName" : "setRouteTable",
"setterModel" : {
    "variableDeclarationType" : "RouteTable",
    "variableName" : "routeTable",
    "variableType" : "RouteTable",
    "documentation" : "",
    "simpleType" : "RouteTable",
    "variableSetterType" : "RouteTable"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Information about the route table.</p>\n@param routeTable Information about the route table.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "RouteTable",
    "variableName" : "routeTable",
    "variableType" : "RouteTable",
    "documentation" : "<p>Information about the route table.</p>",
    "simpleType" : "RouteTable",
    "variableSetterType" : "RouteTable"
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"xmlnsNamespaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateRouteTableResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "CreateRouteTableResult",
    "variableName" : "createRouteTableResult",
    "variableType" : "CreateRouteTableResult",
    "documentation" : null,
    "simpleType" : "CreateRouteTableResult",
    "variableSetterType" : "CreateRouteTableResult"
},
"wrapper" : false
"CreateSecurityGroupRequest" : {
  "c2jName" : "CreateSecurityGroupRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateSecurityGroup.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateSecurityGroup",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "GroupName",
      "c2jShape" : "String",
      "deprecated" : false,
      "enumType" : null,
      "getterMethodName" : "getGroupName",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      }
    }
  ]
}
In virtualized voice browsers, the Open Source Used In Virtualized Voice Browser 12.6(1) 20400
length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for the security group. This is informational only.",

"enumType" : null,
"fluentSetterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"enumType" : null,
"fluentSetterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"enumType" : null,
"fluentSetterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"enumType" : null,
"fluentSetterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$"/

"fluentSetterMethodName" : "withDescription",

"getterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"getterMethodName" : "getDescription",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupDescription",
  "uri" : false
},

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$"/

"fluentSetterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"fluentSetterMethodName" : "withDescription",

"getterDocumentation" : "A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@]+=&amp;amp;;!$*$

"getterMethodName" : "getDescription",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupDescription",
  "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**
 * A description for the security group. This is informational only.
 */
@param description A description for the security group. This is informational only.
* Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-/:@\#\,\,\@\,\[\,\+,\=&\,\;\,{}\,\!\,\$\,\,\*
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * A description for the security group. This is informational only.
 */
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
* @return Returns a reference to this object so that method calls can be chained together.*/
,"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "A description for the security group. This is informational only.
 * Constraints: Up to 255 characters in length
 * Constraints for EC2-Classic: ASCII characters
 * Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and \-/:@\#\,\,\@\,\[\,\+,\=&\,\;\,{}\,\!\,\$\,\,\*
,"variableSetterType": "String"
},
"xmlNameSpaceUri": null}
],
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "[EC2-VPC] The ID of the VPC. Required for EC2-VPC.
* enumType": null,
"fluentSetterDocumentation": "/**
 * [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
 * @param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
 * @return Returns a reference to this object so that method calls can be chained together.*/
,"enumType": null,
method calls can be chained together.*/

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>
@return [EC2-VPC] The ID of the VPC. Required for EC2-VPC.*/

"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : null
}
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
}],
"membersAsMap" : {

"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,

"documentation" : "<p>A description for the security group. This is informational only.</p> Constraints: Up to 255 characters in length</p> Constraints for EC2-Classic: ASCII characters</p> Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[\]+&amp;;{}!$*",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description for the security group. This is informational only.</p>
Constraints for EC2-Classic: ASCII characters</p> Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[\]+&amp;;{}!$*/
@param description A description for the security group. This is informational only.</p> Constraints: Up to 255 characters in length</p> Constraints for EC2-Classic: ASCII characters</p> Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[\]+&amp;;{}!$*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",

"getterDocumentation" : "/**<p>A description for the security group. This is informational only.</p>
Constraints for EC2-Classic: ASCII characters</p> Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[\]+&amp;;{}!$*/
@return A description for the security group. This is informational only.</p> Constraints: Up to 255 characters in length</p> Constraints for EC2-Classic: ASCII characters</p> Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[\]+&amp;;{}!$*/
*/

"getterMethodName" : "getDescription",

"getModel" : {

"returnType" : "String",

"documentation" : null
}
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,

"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,

"location" : null,

"marshallLocationName" : "GroupDescription",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "GroupDescription",

"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the security group. This is informational only.</p>
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@()[#]*"</p>
@param description A description for the security group. This is informational only.
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@()[#]*</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "A description for the security group. This is informational only.
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@()[#]*</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getNameSpaceUri" : "null",
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the security group."}
<p>Constraints: Up to 255 characters in length</p>
<p>Constraints for EC2-Classic: ASCII characters</p>
<p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/@()[#]*"</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the security group."}
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
@param groupName The name of the security group.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+&amp;;{}!$*</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "groupName",
 "variableType" : "String",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>
"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p> <p>
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p> <p>
@return [EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p> <p>
</p>\n@returns [EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p> <p>
"getterMethodName" : "getVpcId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
 * [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
 */
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
 */
@param vpcId [EC2-VPC] The ID of the VPC. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupName", "Description" ],
"shapeName" : "CreateSecurityGroupRequest",
"unmarshaller" : null,
"variable" : {
"xmlNameSpaceUri" : null
},
"variableDeclarationType" : "CreateSecurityGroupRequest",
"variableName" : "createSecurityGroupRequest",
"variableType" : "CreateSecurityGroupRequest",
"documentation" : null,
"simpleType" : "CreateSecurityGroupRequest",
"variableSetterType" : "CreateSecurityGroupRequest"
},
"wrapper" : false
},
"CreateSecurityGroupResult" : {
 "c2jName" : "CreateSecurityGroupResult",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the output of CreateSecurityGroup.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [
 "c2jName" : "GroupId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the security group.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
 @param groupId The ID of the security group.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withGroupId",
 "getterDocumentation" : "/**<p>The ID of the security group.</p>
 @return The ID of the security group.
 */",
 "getterMethodName" : "getGroupId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.*/
 orthogonal to the object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group. orthogonal to the object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withGroupId",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "p>The ID of the security group.</p> orthogonal to the object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "GroupId" : {
    "c2jName" : "GroupId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "p>The ID of the security group.</p> orthogonal to the object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group. orthogonal to the object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId"}
"getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.</p>*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
"variable": {
"variableDeclarationType": "CreateSecurityGroupResult",
"variableName": "createSecurityGroupResult",
"variableType": "CreateSecurityGroupResult",
"documentation": null,
"simpleType": "CreateSecurityGroupResult",
"variableSetterType": "CreateSecurityGroupResult"
},
"wrapper": false
},
"CreateSnapshotRequest": {
"c2jName": "CreateSnapshotRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateSnapshot.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "CreateSnapshot",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ ]
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@return The ID of the EBS volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "<p>The ID of the EBS volume.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "Description",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>A description for the snapshot.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>A description for the snapshot.</p>@param description A description for the snapshot.</param><br/>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDescription",
  "getterDocumentation": "/**<p>A description for the snapshot.</p>@return A description for the snapshot.</param><br/>\n@return A description for the snapshot.*/",
  "getterMethodName": "getDescription",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Description",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Description",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Description",
  "setterDocumentation": "/**<p>A description for the snapshot.</p>@param description A description for the snapshot.*/"}
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the snapshot.</p>
@param description A description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for the snapshot.</p>
@param description A description for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for the snapshot.</p>
@return A description for the snapshot.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "xmlNameSpaceUri" : null
    }
  }
}
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for the snapshot.</p>
@param description A description for
the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for the snapshot.</p>
@param description A
description for the snapshot.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the
EBS volume.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withVolumeId",
  "getterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@return The ID of the EBS volume.</p>
",
  "getterMethodName" : "getVolumeId"}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/*",
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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@return Describes a snapshot.
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/**
 * Describes a snapshot.
 * @param snapshot Describes a snapshot.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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    @param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
    @return Returns a reference to this object so that method calls can be chained together.
    
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    @param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
    @return Returns a reference to this object so that method calls can be chained together.
    
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    @param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
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@param prefix A prefix for the data feed file names.*/<p>
@returns Returns a reference to this object so that method calls can be chained together.*/<p/>

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@return Returns a reference to this object so that method calls can be chained together.*/<p/>

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    @returns Returns a reference to this object so that method calls can be chained together.*/<p/>

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  @return Returns a reference to this object so that method calls can be chained together.*/<p/>

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  @param bucket The Amazon S3 bucket in which to store the Spot instance data feed.
  @return Returns a reference to this object so that method calls can be chained together.*/<p/>

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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType": null,
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"name" : "SpotDatafeedSubscription",
"setterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param
spotDatafeedSubscription The Spot instance data feed subscription.*="/",
"setterMethodName" : "setSpotDatafeedSubscription",
"setterModel" : {
  "variableDeclarationType" : "SpotDatafeedSubscription",
  "variableName" : "spotDatafeedSubscription",
  "variableType" : "SpotDatafeedSubscription",
  "documentation" : "",
  "simpleType" : "SpotDatafeedSubscription",
  "variableSetterType" : "SpotDatafeedSubscription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param
spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "SpotDatafeedSubscription",
  "variableName" : "spotDatafeedSubscription",
  "variableType" : "SpotDatafeedSubscription",
  "documentation" : "<p>The Spot instance data feed subscription.</p>",
  "simpleType" : "SpotDatafeedSubscription",
  "variableSetterType" : "SpotDatafeedSubscription"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateSpotDatafeedSubscriptionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateSpotDatafeedSubscriptionResult",
  "variableName" : "createSpotDatafeedSubscriptionResult",
  "variableType" : "CreateSpotDatafeedSubscriptionResult",
  "documentation" : "",
  "simpleType" : "CreateSpotDatafeedSubscriptionResult",
  "variableSetterType" : "CreateSpotDatafeedSubscriptionResult"}
"documentation" : null,
"simpleType" : "CreateSpotDatafeedSubscriptionResult",
"variableSetterType" : "CreateSpotDatafeedSubscriptionResult"
},
"wrapper" : false
},
"CreateSubnetRequest" : {
"c2jName" : "CreateSubnetRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "CreateSubnet",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
 "members" : [ ]
 },
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the VPC.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
 "getterMethodName" : "getVpcId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC."
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv4 network range for the subnet, in CIDR notation. For example,"
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example,"
  "name" : "CidrBlock",
  "setterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example,"
  "setterMethodName" : "setCidrBlock",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example,"
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "The IPv4 network range for the subnet, in CIDR notation. For example,"
  },
  "xmlNameSpaceUri" : null
}
<code>10.0.0.0/24</code>. @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>. @return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**\n * The IPv4 network range for the subnet, in CIDR notation. For example,
<code>10.0.0.0/24</code>.\n * \n * @return The IPv4 network range for the subnet, in CIDR notation. For example,
<code>10.0.0.0/24</code>. */",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "CidrBlock",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "CidrBlock",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**\n * The IPv4 network range for the subnet, in CIDR notation. For example,
<code>10.0.0.0/24</code>.\n * @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example,
<code>10.0.0.0/24</code>. */",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "cidrBlock",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv4 network range for the subnet, in CIDR notation. For example,
<code>10.0.0.0/24</code>.\n * @param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For
example, `<code>10.0.0.0/24</code>.

```java
public Ipv4CidrBlock withCidrBlock(String cidrBlock) {
    this.cidrBlock = cidrBlock;
    return this;
}
```

**Documentation**
For example, `<code>10.0.0.0/24</code>`.

```java
public Ipv6CidrBlock withIpv6CidrBlock(String ipv6CidrBlock) {
    this.ipv6CidrBlock = ipv6CidrBlock;
    return this;
}
```

**Documentation**
The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.

```java
public String getIpv6CidrBlock() {
    return ipv6CidrBlock;
}
```

**Documentation**
The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>
@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the subnet.</p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.

"fluentSetterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet."
create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.*"/

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>@param availabilityZone The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.*"/

"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>@param availabilityZone The Availability Zone for the subnet.</p> <p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<br>@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone for the subnet.<p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {

"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the subnet.<p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<p>"

  "fluentSetterDocumentation" : "/**<p>The Availability Zone for the subnet.<p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<p>*/
  
  "getterDocumentation" : "/**<p>The Availability Zone for the subnet.<p> Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.<p>*/

  "getterMethodName" : "getAvailabilityZone",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AvailabilityZone",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AvailabilityZone",
    "uri" : false
  }
};
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> 
<p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
@param availabilityZone The Availability Zone for the subnet.
*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the subnet.</p> 
<p>Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>
@param availabilityZone The Availability Zone for the subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "The Availability Zone for the subnet.
Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.

@return Returns a reference to this object so that method calls can be chained together.
*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CidrBlock" : {
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv4 network range for the subnet, in CIDR notation. For example, 
<p>10.0.0.0/24</p>

@returns a reference to this object so that method calls can be chained together.
*/",
  "enumType" : null,
  "fluuentSetterDocumentation" : "The IPv4 network range for the subnet, in CIDR notation. For example, 
<p>10.0.0.0/24</p>

@returns a reference to this object so that method calls can be chained together.
*/
}
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>\n@return The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>.*\*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "CidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>\n@param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>\n@param cidrBlock The IPv4 network range for the subnet, in CIDR notation. For example, 
<code>10.0.0.0/24</code>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "The IPv4 network range for the subnet, in CIDR notation. For example,
<code>0.0.0.0/24</code>.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length."
},
"enumType" : null,
"fluentSetterDocumentation" : "The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
@return Returns a reference to this object so that method calls can be chained together.
/**
* The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
* @param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.
* @return Returns a reference to this object so that method calls can be chained together.
*/

"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Ipv6CidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>\n@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>\n@param ipv6CidrBlock The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>\n@return The ID of the VPC.\n*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "method" : "GET",
    "required" : false,
    "target" : "string"
  }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "parameterName" : "vpcId",
  "parameterType" : "String",
  "documentation" : "The ID of the VPC.

  @return Returns a reference to this object so that method calls can be chained together.
*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "The ID of the VPC.

    @return Returns a reference to this object so that method calls can be chained together.
*/
},
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId", "CidrBlock" ],
"shapeName" : "CreateSubnetRequest",
"unmarshaller" : null,
"variable": {
  "variableDeclarationType": "CreateSubnetRequest",
  "variableName": "createSubnetRequest",
  "variableType": "CreateSubnetRequest",
  "documentation": null,
  "simpleType": "CreateSubnetRequest",
  "variableSetterType": "CreateSubnetRequest"
},
"wrapper": false,
"CreateSubnetResult": {
  "c2jName": "CreateSubnetResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateSubnet.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [{
    "c2jName": "Subnet",
    "c2jShape": "Subnet",
    "deprecated": false,
    "documentation": "<p>Information about the subnet.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**
* Information about the subnet.
* @param subnet Information about the subnet.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName": "withSubnet",
    "getterDocumentation": "/**
* Information about the subnet.
* @return Information about the subnet.
* @throws IllegalArgumentException if the object is null.
*/",
    "getterMethodName": "getSubnet",
    "getterModel": {
      "returnType": "Subnet",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "documentation": null
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Subnet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnet",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Subnet",
"setterDocumentation" : "/**\n\n@param subnet Information about the subnet.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnet",
"setterModel" : {
  "variableDeclarationType" : "Subnet",
  "variableName" : "subnet",
  "variableType" : "Subnet",
  "documentation" : "",
  "simpleType" : "Subnet",
  "variableSetterType" : "Subnet"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\n@param subnet Information about the subnet.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Subnet",
  "variableName" : "subnet",
  "variableType" : "Subnet",
  "documentation" : "\n\nInformation about the subnet.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Subnet",
  "variableSetterType" : "Subnet"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Subnet" : {
    "c2jName" : "Subnet",
    "c2jShape" : "Subnet",
    "deprecated" : false,
    "documentation" : "\n\nInformation about the subnet.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\nInformation about the subnet.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/"
"simpleType" : "Subnet",
"variableSetterType" : "Subnet"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateSubnetResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateSubnetResult",
  "variableName" : "createSubnetResult",
  "variableType" : "CreateSubnetResult",
  "documentation" : null,
  "simpleType" : "CreateSubnetResult",
  "variableSetterType" : "CreateSubnetResult"
},
"wrapper" : false
},
"CreateTagsRequest" : {
  "c2jName" : "CreateTagsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateTags.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateTags",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
}
"members" : [ 
  "c2jName" : "Resources",
  "c2jShape" : "ResourceIdList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>
@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResources",
  "getterDocumentation" : "/**
@return The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*/",
  "getterMethodName" : "getResources",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ResourceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return *
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      }
    }
  }
}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@Param member \n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

Return: Returns a reference to this object so that method calls can be chained together.

One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.

The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

This method appends the values to the existing list (if any). Use { @link #setResources(java.util.Collection) } or { @link #withResources(java.util.Collection) } if you want to override the existing values.

Returns a reference to this object so that method calls can be chained together.

Returns a reference to this object so that method calls can be chained together.

The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
"fluentSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.</p>
@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.</p>
@return One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tag",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Tag",
"uri" : false
},
idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.\n/**",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you

<p>don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.</p>

@<p>param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag

to have a value, specify the parameter with no value, and we set the value to an empty string.*/

setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you
don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link

#setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing

values.</p>

@<p>param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag

to have a value, specify the parameter with no value, and we set the value to an empty string.</p>

Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag
to have a value, specify the parameter with no value, and we set the value to an empty string. <br/>

simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you
don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.

</p>

<return

Returns a reference to this object so that method calls can be chained together.*/

xmlNameSpaceUri" : null
}
},
"membersAsMap" : {
"Resources" : {
  "c2jName" : "Resources",
}
"c2jShape" : "ResourceIdList",
"deprecated" : false,
"documentation" : "The IDs of one or more resources to tag. For example, ami-1a2b3c4d.

"fluentSetterDocumentation" : "//<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.<p>@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResources",
"getterDocumentation" : "//<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.<p>@return The IDs of one or more resources to tag. For example, ami-1a2b3c4d./*

"getMethod.Name" : "getResources",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
}
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResourceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResourceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "//<p>@param member <p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "//<p>@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "Resources",
"setterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>\n@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*/",
"setterMethodName" : "setResources",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "resources",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>\n@n@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.*\n
*\n
@b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setResources(java.util.Collection)} or {@link #withResources(java.util.Collection)} if you want to override the existing values.\n@param resources The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "resources",
"variableType" : "java.util.List<String>",
"documentation" : "The IDs of one or more resources to tag. For example, ami-1a2b3c4d.\n<p>\n
@p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. \n</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. \n</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but
if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty
string. </p>

@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want
the tag to have a value, specify the parameter with no value, and we set the value to an empty string.

@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**
<p>One or more tags. The <code>value</code> parameter is required, but if you
don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.
</p>

@return One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to
have a value, specify the parameter with no value, and we set the value to an empty string. */",
"getterMethodName" : "getTags",
"getterModel" : {

"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tag",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Tag",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@param return *

"getterMethodName" : "getMember",
"getterModel" : {

"returnType" : "Tag",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "marshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>
@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.*/",
"setterMethodName" : "setTags",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values. </p>
@param tags One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. <br>Retruns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>
",
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Resources", "Tags" ]
"shapeName" : "CreateTagsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "CreateTagsRequest",
"variableName" : "createTagsRequest",
"variableType" : "CreateTagsRequest",
"documentation" : null,
"simpleType" : "CreateTagsRequest",
"variableSetterType" : "CreateTagsRequest"
},
"wrapper" : false
},
"CreateTagsResult" : {
"c2jName" : "CreateTagsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateTagsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateTagsResult",
"variableName" : "createTagsResult",
"variableType" : "CreateTagsResult",
"documentation" : null,
"simpleType" : "CreateTagsResult",
"variableSetterType" : "CreateTagsResult"
},
"wrapper" : false
"CreateVolumePermission": {
  "c2jName": "CreateVolumePermission",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes the user or group to be added or removed from the permissions for a volume.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "UserId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/** <p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>\n@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withUserId",
      "getterDocumentation": "/** <p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>\n@return The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/",
      "getterMethodName": "getUserId",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      }
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "m

"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserId",
"setterDocumentation" : "/**\n * The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
 */
@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
*/",
"setterMethodName" : "setUserId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
 */\n@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "Group",
"c2jShape" : "PermissionGroup",
"deprecated" : false,
"documentation" : "<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>
"enumType" : "PermissionGroup",
"fluentSetterDocumentation" : "/**\n * The specific group that is to be added or removed from a volume's list of create volume permissions.
 */\n@param group The specific group that is to be added or removed from a volume's list of create volume permissions.
*/"
The specific group that is to be added or removed from a volume's list of create volume permissions.

@see PermissionGroup*

**The specific group that is to be added or removed from a volume's list of create volume permissions.**

@see PermissionGroup*

The specific group that is to be added or removed from a volume's list of create volume permissions.

@see PermissionGroup*

The specific group that is to be added or removed from a volume's list of create volume permissions.

@see PermissionGroup*

The specific group that is to be added or removed from a volume's list of create volume permissions.

@see PermissionGroup*

The specific group that is to be added or removed from a volume's list of create volume permissions.

@see PermissionGroup*
chained together.

```java
@see PermissionGroup*/
```

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "group",
    "variableType" : "String",
    "documentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.

```java
@see PermissionGroup*/
```

"simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ].
"membersAsMap" : {
    "Group" : {
        "c2jName" : "Group",
        "c2jShape" : "PermissionGroup",
        "deprecated" : false,
        "documentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.

```java
@see PermissionGroup*/
```

"enumType" : "PermissionGroup",
    "fluentSetterDocumentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.

```java
@see PermissionGroup*/
```

"fluentSetterMethodName" : "withGroup",
    "getterDocumentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.

```java
@see PermissionGroup*/
```

"getterMethodName" : "getGroup",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Group",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "group",
    "uri" : false
}.}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Group",
"setterDocumentation" : "/**<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>
@param group The specific group that is to be added or removed from a volume's list of create volume permissions.</param>
@see PermissionGroup*/",
"setterMethodName" : "setGroup",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "group",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>
@param group The specific group that is to be added or removed from a volume's list of create volume permissions.</p>
@return Returns a reference to this object so that method calls can be chained together.</param>
@see PermissionGroup*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "group",
"variableType" : "String",
"documentation" : "The specific group that is to be added or removed from a volume's list of create volume permissions.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserId" : {
"c2jName" : "UserId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>
@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.</param>
@see PermissionGroup*/",
"fluentSetterMethodName" : "withUserId",
"getterDocumentation" : "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.

<!-- Add more cases if needed -->
a volume's list of create volume permissions.*/
getterMethodName" : "getUserId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserId",
  "queryString" : false,
  "statuscode" : false,
  "marshallLocationName" : "userId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserId",
"setterDocumentation" : "/*!<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.*/
setterMethodName" : "setUserId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*!<p>The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.</p>@param userId The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.@return Returns a reference to this object so that method calls can be chained together.*/
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userId",
  "variableType" : "String"}
The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.

Describes modifications to the permissions for a volume.

Adds a specific AWS account ID or group to a volume's list of create volume permissions.
permissions.

"enumType" : null,

"fluentSetterDocumentation" : "/**
Adds a specific AWS account ID or group to a volume's list of create volume permissions.

\n@returns Returns a reference to this object so that method calls can be chained together.
*/",

"fluentSetterMethodName" : "withAdd",

"getterDocumentation" : "/**
Adds a specific AWS account ID or group to a volume's list of create volume permissions.

\n@returns Adds a specific AWS account ID or group to a volume's list of create volume permissions.
*/",

"getterMethodName" : "getAdd",

"getterModel" : {
  "returnType" : "java.util.List<CreateVolumePermission>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Add",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Add",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "CreateVolumePermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\nmember \n@returns Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "CreateVolumePermission",
      "documentation" : null
    }
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "CreateVolumePermission",
    "variableName" : "member",
    "variableType" : "CreateVolumePermission",
    "documentation" : "",
    "simpleType" : "CreateVolumePermission",
    "variableSetterType" : "CreateVolumePermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "CreateVolumePermission",
    "variableName" : "member",
    "variableType" : "CreateVolumePermission",
    "documentation" : "",
    "simpleType" : "CreateVolumePermission",
    "variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/** <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p> <p>NOTE: This method appends the values to the existing list (if any). Use \{ @link #setAdd(java.util.Collection) \} or \{ @link #withAdd(java.util.Collection) \} if you want to override the existing values. </p> <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p>\*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false,
"varargsSetterDocumentation" : "/** <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p> <p>NOTE: This method appends the values to the existing list (if any). Use \{ @link #setAdd(java.util.Collection) \} or \{ @link #withAdd(java.util.Collection) \} if you want to override the existing values. </p> <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p>\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : " <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p>\",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Remove",
"c2jShape" : "CreateVolumePermissionList",
"deprecated" : false,
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions. </p>\",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Removes a specific AWS account ID or group from a volume's list of create volume permissions. </p>\*/"}
create volume permissions.<p>@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withRemove",
        "getterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>@return Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
        "getterMethodName" : "getRemove",
        "getterModel" : {
            "returnType" : "java.util.List<CreateVolumePermission>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Remove",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Remove",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
            "implType" : "com.amazonaws.internal.SdkInternalList",
            "interfaceType" : "java.util.List",
            "listMemberModel" : {
                "c2jName" : "member",
                "c2jShape" : "CreateVolumePermission",
                "deprecated" : false,
                "documentation" : "",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
                "fluentSetterMethodName" : "withMember",
                "getterDocumentation" : "/**\n@return */",
                "getterMethodName" : "getMember",
                "getterModel" : {
                    "returnType" : "CreateVolumePermission",
                    "documentation" : null
                },
                "http" : {
                    "additionalMarshallingPath" : null,
                    "additionalUnmarshallingPath" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
"setterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
"setterMethodName" : "setRemove",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "remove",
"variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "",
"simpleType" : "List<CreateVolumePermission>",
"variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRemove(java.util.Collection)} or {@link #withRemove(java.util.Collection)} if you want to override the existing values.</p>
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "remove",
"variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
"simpleType" : "List<CreateVolumePermission>",
"variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"Add" : {
"c2jName" : "Add",
"c2jShape" : "CreateVolumePermissionList",
"deprecated" : false,
"documentation" : "<p> Adds a specific AWS account ID or group to a volume's list of create volume permissions. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAdd",
"getterDocumentation" : "/** <p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
@return Adds a specific AWS account ID or group to a volume's list of create volume permissions. */",
"getterMethodName" : "getAdd",
"getterModel" : {
"returnType" : "java.util.List<CreateVolumePermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Add",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Add",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "CreateVolumePermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "CreateVolumePermission",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Add",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Add",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "CreateVolumePermission",
  "variableName": "member",
  "variableType": "CreateVolumePermission",
  "documentation": "",
  "simpleType": "CreateVolumePermission",
  "variableSetterType": "CreateVolumePermission"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "CreateVolumePermission",
  "variableName": "member",
  "variableType": "CreateVolumePermission",
  "documentation": "",
  "simpleType": "CreateVolumePermission",
  "variableSetterType": "CreateVolumePermission"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "CreateVolumePermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>")
},
"map" : false,
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>")
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
@param add Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<CreateVolumePermission>",
  "documentation" : "<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>",
  "simpleType" : "List<CreateVolumePermission>",
  "variableSetterType" : "java.util.Collection<CreateVolumePermission>")
},
"xmlns:ns4" : null,
"Remove" : {
  "c2jName" : "Remove",
  "c2jShape" : "CreateVolumePermissionList",
  "deprecated" : false,
  "documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>
@param remove Removes a specific AWS account ID or group from a volume's list of create volume permissions.

@return Returns a reference to this object so that method calls can be chained together.*/"
list of create volume permissions.\n@returns A reference to this object so that method calls can be chained together.*/

  "fluentSetterMethodName" : "withRemove",
  "getterDocumentation" : "/**\n<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>\n@end\n\n@returns Removes a specific AWS account ID or group from a volume's list of create volume permissions.*/",
  "getterMethodName" : "getRemove",
  "getterModel" : {
    "returnType" : "java.util.List<CreateVolumePermission>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Remove",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Remove",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "CreateVolumePermission",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@returns A reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "CreateVolumePermission",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "CreateVolumePermission",
"variableName" : "member",
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "CreateVolumePermission",
"variableName" : "member",
"variableType" : "CreateVolumePermission",
"documentation" : "",
"simpleType" : "CreateVolumePermission",
"variableSetterType" : "CreateVolumePermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CreateVolumePermission",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditional UnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CreateVolumePermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
"setterDocumentation" : "/**\n@param remove Removes a specific AWS account ID or group from a volume's list of create
volume permissions.*/",
"setterMethodName" : "setRemove",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "remove",
"variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "",
"simpleType" : "List<CreateVolumePermission>",
"variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param remove Removes a specific AWS account ID or group from a volume's list of create
volume permissions.\n\nNOTE:\nThis method appends the values to the existing list (if any). Use { @link #setRemove(java.util.Collection)} or { @link #withRemove(java.util.Collection)} if you want to
override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "remove",
"variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create
volume permissions.</p>",
"simpleType" : "List<CreateVolumePermission>",
"variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateVolumePermissionModifications",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}.
"variable" : { 
  "variableDeclarationType" : "CreateVolumePermissionModifications",
  "variableName" : "createVolumePermissionModifications",
  "variableType" : "CreateVolumePermissionModifications",
  "documentation" : null,
  "simpleType" : "CreateVolumePermissionModifications",
  "variableSetterType" : "CreateVolumePermissionModifications"
},
"wrapper" : false
},
"CreateVolumeRequest" : {
  "c2jName" : "CreateVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateVolume.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "CreateVolume",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "Size",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>", 
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't
specify a volume size, the default is the snapshot size.

@param size The size of the volume, in GiBs.

Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you’re creating the volume from a snapshot and don’t specify a volume size, the default is the snapshot size.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@return The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>*/",
"getterMethodName" : "getSize",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Size",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Size",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param size The size of the volume, in GiBs.

Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@return Returns a reference to this object so that method calls can be chained together.*/"}
If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.
</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.<br/>

The size of the volume, in GiBs.

Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.
</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The snapshot from which to create the volume.

Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.
</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The snapshot from which to create the volume.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

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The snapshot from which to create the volume.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The snapshot from which to create the volume.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
"getterMethodName" : "getSnapshotId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SnapshotId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SnapshotId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "snapshotId",
   "variableType" : "String",
   "documentation" : "/",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "snapshotId",
   "variableType" : "String",
   "documentation" : "/p>
The snapshot from which to create the volume.<p/>
@return Returns a reference to this object so that method calls can be chained together.*
"simpleType" : "String",
"variableSetterType" : "String"
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.".
"enumType" : null,

"fluentSetterDocumentation" : "The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.

"getterDocumentation" : "The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.

"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZone",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",

"setterDocumentation" : "The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.".

"setterMethodName" : "withAvailabilityZone";

"uri" : false
list the Availability Zones that are currently available to you.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The Availability Zone in which to create the volume. Use
availableZone</a> to list the Availability Zones that are currently available to you.
*<p>@param availabilityZone The Availability Zone in which to create the volume. Use
availableZone</a> to list the Availability Zones that are currently available to you.
*<p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZone",
    "variableType" : "String",
    "documentation" : "<p>The Availability Zone in which to create the volume. Use
availableZone</a> to list the Availability Zones that are currently available to you.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "xmlNameSpaceUri" : null
},
  "c2jName" : "VolumeType",
  "c2jShape" : "VolumeType",
  "deprecated" : false,
  "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>iops</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>
  <p>Default: <code>standard</code></p>
  "enumType" : "VolumeType",
  "fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>iops</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>
  <p>Default: <code>standard</code></p>
  
  <p>@return Returns a reference to this object so that method calls can be chained
together.</p>
  "@see VolumeType*/",
  "fluentSetterMethodName" : "withVolumeType",
  "getterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>iops</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>
  <p>Default: <code>standard</code></p>
  
  <p>@return The volume type. This can be <code>gp2</code> for General Purpose SSD,
for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>
<p>Default: <code>standard</code> in @see VolumeType*/

```
"getterMethodName" : "getVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/** The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. 

<p>Default: <code>standard</code> in @see VolumeType*/

```
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> 

@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> 

@return Returns a reference to this object so that method calls can be chained together.

@see VolumeType*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

    "Default: <code>standard</code>"
},

"xmlNameSpaceUri" : null
},

"c2jName" : "Iops",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@param iops Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Returns a reference to this object so that method calls can be chained together.

@see Iops*/

"enumType" : null,

"fluentSetterDocumentation" : "/**" Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@param iops Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Returns a reference to this object so that method calls can be chained together.

@see Iops*/

"getterDocumentation" : "/**" Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.

@return Returns a reference to this object so that method calls can be chained together.

@see Iops*/

"getterMethodName" : "getIops",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"setDocumentation": "*/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>@param iops Only valid for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable": {
 "variableDeclarationType": "Integer",
 "variableName": "iops",
 "variableType": "Integer",
 "documentation": """,
 "simpleType": "Integer",
 "variableSetterType": "Integer" 
},
 "simple": true,
 "varargSetterDocumentation": "*/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>@param iops Only valid for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable": {
 "variableDeclarationType": "Integer",
 "variableName": "iops",
 "variableType": "Integer",
 "documentation": """,
 "simpleType": "Integer",
 "variableSetterType": "Integer" 
},
 "simple": true,"xmlNameSpaceURI": null
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Encrypted",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "encrypted",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Encrypted",
"setterDocumentation": "/**
*p Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html) in the Amazon Elastic Compute Cloud User Guide.**",
"setterMethodName": "setEncrypted",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "encrypted",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**
p Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see [Amazon EBS Encryption](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html) in the Amazon Elastic Compute Cloud User Guide.**"
support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<i>

@return Returns a reference to this object so that method calls can be chained together.*"/

    "variable" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "encrypted",
        "variableType" : "Boolean",
        "documentation" : "Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
    },
    "xmlNameSpaceUri" : null
},
{
    "c2jName" : "KmsKeyId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p/>

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p/>

@return Returns a reference to this object so that method calls can be chained together.*"/

    "fluentSetterMethodName" : "withKmsKeyId",
    "getterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.<p/>

@return Returns a reference to this object so that method calls can be chained together.*"/

    "fluentSetterMethodType" : "Boolean",
    "getterType" : "Boolean",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
}
}
master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p><p>@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*
"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>\n@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i></code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/"
default CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.

```java
"setterMethodName" : "setKmsKeyId",
"setterModel" : {

    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}

"simple" : true,

"varargSetterDocumentation" : "/**\n * The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.\n */

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {

    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the `<code>arn:aws:kms</code>` namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the `<code>key</code>` namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:key/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. If a `<code>KmsKeyId</code>` is specified, the `<code>Encrypted</code>` flag must also be set.\n */

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}

"membersAsMap" : {

    "AvailabilityZone" : {
        "c2jName" : "AvailabilityZone",
        "c2jParametersForOperation" : {
            "member" : {
                "memberName" : "AvailabilityZone",
                "parameterName" : "AvailabilityZone",
                "defaultValue" : null
            }
        }
    }
}
```

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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>
@param
availabilityZone The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to
list the Availability Zones that are currently available to you.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**
<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>
@return
The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to
list the Availability Zones that are currently available to you.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**
<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>
@return
The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to
list the Availability Zones that are currently available to you.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String"}
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.\n@param availabilityZone The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which to create the volume. Use <a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>.
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nSpecifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  \n  @param encrypted Specifying whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n  @return Returns a reference to this object so that method calls can be chained together.*/";
}
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Encrypted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "encrypted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : " /**<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/"
support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```javascript
setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  "@param encrypted Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  "@return Returns a reference to this object so that method calls can be chained together."",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"iops" : {
  "c2jName" : "Iops",
  "c2jShape" : "Integer",
  "deprecated" : false,
```
"documentation" : "<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@param iops Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIops",
"getterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@return Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes*/",
"getterMethodName" : "getIops",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Iops",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
@param iops Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes
@return Returns a reference to this object so that method calls can be chained together.*/";
setterMethodName" : "setIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/ GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/ GiB.</p><p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p><p>@return Returns a reference to this object so that method calls can be chained together.*\*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "iops",
        "variableType" : "Integer",
        "documentation" : "Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/ GiB.</p> <p>Constraint: Range is 100 to 20000 for Provisioned IOPS SSD volumes</p>
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"KmsKeyId" : {
    "c2jName" : "KmsKeyId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>/<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>*/
"@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted
volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. If an <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.

@returns Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withKmsKeyId",
    "getterDocumentation" : "/**\p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. If an <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.\p@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:us-east-1:012345678910:key/abcd1234-a123-456a-a12b-a123b4cd56ef</code>. If an <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*\*/

    "getterMethodName" : "getKmsKeyId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KmsKeyId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "KmsKeyId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "KmsKeyId",
    "setterDocumentation" : "/**\p>The full ARN of the AWS Key Management Service (AWS KMS) customer
master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/";

"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableDocumentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, <code>arn:aws:kms:<i>us-east-1</i>::<i>012345678910</i>::<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>/</code>. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.*/

@return Returns a reference to this object so that method calls can be chained together.*/";
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
"c2jName" : "Size",
"c2jShape" : "Integer",
"deprecated" : false,

"documentation" : "<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for <code>gp2</code>,
4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024
for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot
size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is
the snapshot size.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for
<code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for
<code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be
equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't
specify a volume size, the default is the snapshot size.</p>
@param size The size of the volume, in GiBs.
<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for
<code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be
equal to or larger than the snapshot size. </p> <p>Default: If you're creating the volume from a snapshot and don't
specify a volume size, the default is the snapshot size.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withSize",

"getterDocumentation" : "/**<p>The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for
<code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for
<code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be
equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't
specify a volume size, the default is the snapshot size.</p>\n@return The size of the volume, in GiBs.</p> <p>Constraints: 1-16384 for
<code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for
<code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be
equal to or larger than the snapshot size. </p> <p>Default: If you're creating the volume from a snapshot and don't
specify a volume size, the default is the snapshot size.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterMethodName" : "getSize",

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
The size of the volume, in GiBs.<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size. If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@return Returns a reference to this object so that method calls can be chained together.

The size of the volume, in GiBs.<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size. In return, a reference to this object so that method calls can be chained together.

The size of the volume, in GiBs.<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The size of the volume, in GiBs.<p>Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
<code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

```
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The snapshot from which to create the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@return The snapshot from which to create the volume.*"",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.*"",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
```
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclaratType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot from which to create the volume.</p>
@param snapshotId The snapshot from which to create the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The snapshot from which to create the volume.</p>
 ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
  "c2jName" : "VolumeType",
  "c2jShape" : "VolumeType",
  "deprecated" : false,
  "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: <code>standard</code></p>
  "complexType" : "VolumeType",
  "fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: 
<code>standard</code></p>
  
  @param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return Returns a reference to this object so that method calls can be chained together.
  @see VolumeType*/",
  "fluentSetterMethodName" : "withVolumeType",
  "getterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> <p>Default: 
<code>standard</code></p>
  @param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return The volume type. This can be <code>gp2</code> for General Purpose SSD, 
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, 
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
  @return Returns a reference to this object so that method calls can be chained together.
  @see VolumeType*/"}
"getterMethodName" : "getVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type. This can be &lt;code&gt;gp2&lt;/code&gt; for General Purpose SSD, &lt;code&gt;io1&lt;/code&gt; for Provisioned IOPS SSD, &lt;code&gt;st1&lt;/code&gt; for Throughput Optimized HDD, &lt;code&gt;sc1&lt;/code&gt; for Cold HDD, or &lt;code&gt;standard&lt;/code&gt; for Magnetic volumes.&lt;/p&gt; Default:&lt;code&gt;standard&lt;/code&gt; &lt;p&gt;n at see VolumeType*/
@param volumeType The volume type. This can be &lt;code&gt;gp2&lt;/code&gt; for General Purpose SSD, &lt;code&gt;io1&lt;/code&gt; for Provisioned IOPS SSD, &lt;code&gt;st1&lt;/code&gt; for Throughput Optimized HDD, &lt;code&gt;sc1&lt;/code&gt; for Cold HDD, or &lt;code&gt;standard&lt;/code&gt; for Magnetic volumes.&lt;/p&gt; Default:&lt;code&gt;standard&lt;/code&gt;&lt;p&gt;n @see VolumeType*/"",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be &lt;code&gt;gp2&lt;/code&gt; for General Purpose SSD, &lt;code&gt;io1&lt;/code&gt; for Provisioned IOPS SSD, &lt;code&gt;st1&lt;/code&gt; for Throughput Optimized HDD, &lt;code&gt;sc1&lt;/code&gt; for Cold HDD, or &lt;code&gt;standard&lt;/code&gt; for Magnetic volumes.&lt;/p&gt; Default:&lt;code&gt;standard&lt;/code&gt; &lt;p&gt;n at see VolumeType The volume type. This can be &lt;code&gt;gp2&lt;/code&gt; for General Purpose SSD, &lt;code&gt;io1&lt;/code&gt; for Provisioned IOPS SSD, &lt;code&gt;st1&lt;/code&gt; for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. Default:

```
return
```

Returns a reference to this object so that method calls can be chained
together.

@see VolumeType*/

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD,
<code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. Default:
<code>standard</code> 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AvailabilityZone" ],
"shapeName" : "CreateVolumeRequest",
"unmarshaller" : null,

"variable" : {
  "variableDeclarationType" : "CreateVolumeRequest",
  "variableName" : "createVolumeRequest",
  "variableType" : "CreateVolumeRequest",
  "documentation" : null,
  "simpleType" : "CreateVolumeRequest",
  "variableSetterType" : "CreateVolumeRequest"
},

"wrapper" : false
},

"CreateVolumeResult" : {
  "c2jName" : "CreateVolumeResult",
  "customization" : {
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      "wrappedMemberName" : "Volume",
      "wrappedMemberSimpleType" : "Volume"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the Volume object that was sent over the wire.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "Volume",
  "c2jShape" : "Volume",
  "deprecated" : false,
  "documentation" : "<p>Describes a volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Describes a volume.</p>@param volume Describes a volume\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolume",
  "getterDocumentation" : "/**<p>Describes a volume.</p>@return Describes a volume.*/",
  "getterMethodName" : "getVolume",
  "getterModel" : { 
    "returnType" : "Volume",
    "documentation" : null
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volume",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Volume",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Volume",
  "setterDocumentation" : "/**<p>Describes a volume.</p>@param volume Describes a volume.*/",
  "setterMethodName" : "setVolume",
  "setterModel" : { 
    "variableDeclarationType" : "Volume",
    "variableName" : "volume",
    "variableType" : "Volume",
    "documentation" : "",
    "simpleType" : "Volume",
  }
]
}
"variableSetterType" : "Volume"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Volume",
"variableName" : "volume",
"variableType" : "Volume",
"documentation" : "Describes a volume.
@param volume Describes a volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "Volume"},
"xmlNameSpaceUri" : null
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"Volume" : {
"c2jName" : "Volume",
"c2jShape" : "Volume",
"deprecated" : false,
"documentation" : "Describes a volume.
@return Describes a volume.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
"complexType" : "Volume",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Volume",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Volume",
"setterDocumentation": "/**\n * Describes a volume. \n * @param volume Describes a volume. */",
"setterMethodName": "setVolume",
"setterModel": {
  "variableDeclarationType": "Volume",
  "variableName": "volume",
  "variableType": "Volume",
  "documentation": "",
  "simpleType": "Volume",
  "variableSetterType": "Volume"
},
"simple": false,
"varargSetterDocumentation": "/**\n * Describes a volume. \n * @param volume Describes a volume. \n * @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Volume",
  "variableName": "volume",
  "variableType": "Volume",
  "documentation": "Describes a volume.",
  "simpleType": "Volume",
  "variableSetterType": "Volume"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CreateVolumeResult",
"Unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CreateVolumeResult",
  "variableName": "createVolumeResult",
  "variableType": "CreateVolumeResult",
  "documentation": null,
  "simpleType": "CreateVolumeResult",
  "variableSetterType": "CreateVolumeResult"
},
"wrapper": false,
"CreateVpcEndpointRequest": {
  "c2jName": "CreateVpcEndpointRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpcEndpoint.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateVpcEndpoint",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {"c2jName" : "VpcId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The ID of the VPC in which the endpoint will be used.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>
   *param
   vpcId The ID of the VPC in which the endpoint will be used.</param>
   *return Returns a reference to this object so that
   method calls can be chained together.*/",
   "fluentSetterMethodName" : "withVpcId",
   "getterDocumentation" : "/**<p>The ID of the VPC in which the endpoint will be used.</p>
   *return The ID of the VPC in which the endpoint will be used.*/",
   "getterMethodName" : "getVpcId",
   "getterModel" : {
    "returnType" : "String",
    "documentation" : null
   },
   "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "merger" : null,
    "method" : "POST",
    "modelType" : "CreateVpcEndpointRequest",
    "requestUri" : "/",
    "responseModel" : "CreateVpcEndpointResponse",
    "responseUnmarshallerContextFactoryClass" : "com.amazonaws.transform.UnmarshallerContextFactory"
  }
}
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n * The ID of the VPC in which the endpoint will be used.\n */
@param vpcId
The ID of the VPC in which the endpoint will be used.*/

setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the VPC in which the endpoint will be used.\n */
@param vpcId
The ID of the VPC in which the endpoint will be used.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The ID of the VPC in which the endpoint will be used.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ServiceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The AWS service name, in the form <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the /a>DescribeVpcEndpointServices</a> request.\n
enumType" : null,
"fluentSetterDocumentation" : "/**\n * The AWS service name, in the form <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the /a>DescribeVpcEndpointServices</a> request.\n@param serviceName The AWS service name, in the form <code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.

@return Returns a reference to this object so that method calls can be chained together."
"
    "fluentSetterMethodName" : "withServiceName",
    "getterDocumentation" : "/**<p>The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.</p>
@return The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.*/",
    "getterMethodName" : "getServiceName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ServiceName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ServiceName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ServiceName",
    "setterDocumentation" : "/**<p>The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.</p>
@param serviceName The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.*/",
    "setterMethodName" : "setServiceName",
    "setterModel" : {
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        "variableName" : "serviceName",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "fluentSetterMethodName" : "withServiceName",
    "getterDocumentation" : "/**<p>The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.</p>
@return The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i> </code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.*/",}
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS service name, in the form
[code]com.amazonaws.<i>region</i>.<i>service</i>[/code]. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.<p>/n@param serviceName The AWS service name, in the form
[code]com.amazonaws.<i>region</i>.<i>service</i>[/code]. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.<n@return Returns a reference to this object so that method calls can be chained together.</n>*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "serviceName",
  "variableType": "String",
  "documentation": "<p>The AWS service name, in the form
[code]com.amazonaws.<i>region</i>.<i>service</i>[/code]. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request.</p>
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "PolicyDocument",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.</p>",
"simpleType": "String",
"fluentSetterDocumentation": "/**<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n@param policyDocument A policy to attach to the endpoint that controls access to the service.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withPolicyDocument",
"getterDocumentation": "/**<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n@return A policy to attach to the endpoint that controls access to the service.\n</p>*/",
"getterMethodName": "getPolicyDocument",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
**setterDocumentation** : /*\*<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n*/
@param policyDocument A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : /*\*<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n*/
@param policyDocument A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null


"c2jName" : "RouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs.</p>\n@param routeTableIds One or more route table IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getterDocumentation" : "/**<p>One or more route table IDs.</p>\n@return One or more route table IDs.*/",
"getterMethodName" : "getRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**\n*p>One or more route table IDs.<\n@param routeTableIds One or more route table IDs.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*p>One or more route table IDs.<\n@param routeTableIds One or more route table IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route table IDs.<",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"},
Ensure Idempotency

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.

@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
}
Ensure Idempotency</a>.\n
@return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>

    "getterMethodName" : "getClientToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ClientToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ClientToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ClientToken",
    "setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>

    "setterMethodName" : "setClientToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>.
  
  @param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">How to Ensure Idempotency</a>
  
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "simpleType" : true,
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PolicyDocument" : {
  "c2jName" : "PolicyDocument",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.*/p>*/p>
  
  @param policyDocument A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.
  
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "enumType" : null,
  "fluentSetterDocumentation" : "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.*/p>*/p>
  
  @param PolicyDocument A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.
  
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "getterDocumentation" : "A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.
  
  @return A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.*/p>*/p>
  
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "getterMethodName" : "getPolicyDocument",
  "getterModel" : {

"returnType" : "String",
"documentation" : null,
}
,"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PolicyDocument",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PolicyDocument",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**
<p>A policy to attach to the endpoint that controls access to the service. The
policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full
access to the service.</p>
@param policyDocument A policy to attach to the endpoint that controls access to the
service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that
allows full access to the service.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>A policy to attach to the endpoint that controls access to the service. The
policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full
access to the service.</p>
@param policyDocument A policy to attach to the endpoint that controls access to the
service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that
allows full access to the service.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
}
"variableType" : "String",
"documentation" : "<p>A policy to attach to the endpoint that controls access to the service. The policy must
be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the
service.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RouteTableIds" : {
"c2jName" : "RouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs.</p>
@param routeTableIds One or more
route table IDs.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getterDocumentation" : "/*<p>One or more route table IDs.</p>
@return One or more route table IDs.*/",
"getterMethodName" : "getRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
],
"xmlnsSpaceUri": null
],
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
],
"map": false,
"mapModel": null,
"name": "RouteTableIds",
"setterDocumentation": "/**<p>One or more route table IDs.</p>
@param routeTableIds One or more route
table IDs.*/",
"setterMethodName": "setRouteTableIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "routeTableIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
],
"simple": false,
"varargSetterDocumentation": "/**<p>One or more route table IDs.</p>
@param routeTableIds One or more route table IDs.*/
NOTE:<b>
This method appends the values to the existing list (if any). Use {@link #setRouteTableIds(java.util.Collection)} or {
@link 
#withRouteTableIds(java.util.Collection)} if you want to override the existing values.<p>
@return Returns a reference to this object so that method calls can be chained
together.</b>*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "routeTableIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more route table IDs.</p>
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
],
"xmlnsSpaceUri": null
**ServiceName**

- **c2jName**: "ServiceName",
- **c2jShape**: "String",
- **deprecated**: false,
- **documentation**: "The AWS service name, in the form `com.amazonaws.<i>region</i>.<i>service</i>`
  To get a list of available services, use the `DescribeVpcEndpointServices` request.
- **enumType**: null,
- **fluentSetterDocumentation**: "The AWS service name, in the form `com.amazonaws.<i>region</i>.<i>service</i>`
  To get a list of available services, use the `DescribeVpcEndpointServices` request.
- **getterDocumentation**: "The AWS service name, in the form `com.amazonaws.<i>region</i>.<i>service</i>`
  To get a list of available services, use the `DescribeVpcEndpointServices` request.
- **getterMethodName**: "getServiceName",
- **getterModel**: {
  "returnType": "String",
  "documentation": null
},
- **http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ServiceName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ServiceName",
  "uri": false
},
- **idempotencyToken**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **name**: "ServiceName",
- **setterDocumentation**: "The AWS service name, in the form `com.amazonaws.<i>region</i>.<i>service</i>`
  To get a list of available services, use the `DescribeVpcEndpointServices` request."
To get a list of available services, use the <a>DescribeVpcEndpointServices</a> request.

```xml
<param serviceName="com.amazonaws.<i>region</i>.<i>service</i>">

**setterMethodName**: "setServiceName",

**setterModel**: {
    "variableDeclarationType": "String",
    "variableName": "serviceName",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: """"*/

**return**: Returns a reference to this object so that method calls can be chained together.

```
The ID of the VPC in which the endpoint will be used.

@var vpcId

 [@param vpcId The ID of the VPC in which the endpoint will be used.]

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The ID of the VPC in which the endpoint will be used.
 */
private String vpcId;
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId", "ServiceName" ],
"shapeName" : "CreateVpcEndpointRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateVpcEndpointRequest",
  "variableName" : "createVpcEndpointRequest",
  "variableType" : "CreateVpcEndpointRequest",
  "documentation" : null,
  "simpleType" : "CreateVpcEndpointRequest",
  "variableSetterType" : "CreateVpcEndpointRequest"
},
"wrapper" : false
},
"CreateVpcEndpointResult" : {
  "c2jName" : "CreateVpcEndpointResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingUnmarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpcEndpoint.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "VpcEndpoint",
      "c2jShape" : "VpcEndpoint",
      "deprecated" : false,
      "documentation" : "<p>Information about the endpoint.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the endpoint.</p>
          \n          @param vpcEndpoint Information about the endpoint.\n          \n          @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withVpcEndpoint",
      "getterDocumentation" : "/**<p>Information about the endpoint.</p>
          \n          @param vpcEndpoint Information about the endpoint.\n          \n          @return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getVpcEndpoint",
      "getterModel" : {
        "returnType" : "VpcEndpoint",
        "documentation" : null
      }
    }
  ]
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpcEndpoint",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "vpcEndpoint",
  "uri": false
},
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"setterDocumentation": "/**
 * Information about the endpoint.
 * 
 * @param vpcEndpoint Information about the endpoint.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
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  "variableSetterType": "VpcEndpoint"
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 * Information about the endpoint.
 * 
 * @param vpcEndpoint Information about the endpoint.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
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@return Returns a reference to this object so that method calls can be chained together."/",
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"variableSetterType" : "String"
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"simple": true,
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@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request.*/",
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   * @return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the requester VPC.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/"
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    "fluentSetterDocumentation" : "/**<p>The ID of the VPC with which you are creating the VPC peering connection.</p>
@Param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.
@Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the VPC with which you are creating the VPC peering connection.*/",
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@Param peerVpcId The ID of the VPC with which you are creating the VPC peering connection.
@Returns a reference to this object so that method calls can be chained together.*/"
connection.

@param peerVpcId The ID of the VPC with which you are creating the VPC peering connection. */

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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/

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@return The AWS account ID of the owner of the peer VPC.

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 * The AWS account ID of the owner of the peer VPC.
 * Default: Your AWS account ID
 * @param peerOwnerId The AWS account ID of the owner of the peer VPC.
 * Default: Your AWS account ID*/
 * @return Returns a reference to this object so that method calls can be chained together. */
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"simple": true,
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 * The AWS account ID of the owner of the peer VPC.
 * Default: Your AWS account ID
 * @param peerOwnerId The AWS account ID of the owner of the peer VPC.
 * Default: Your AWS account ID
 * @return Returns a reference to this object so that method calls can be chained together. */
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@return The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID*/",
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<p>Default: Your AWS account ID</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n@p>\nThe ID of the requester VPC.\n\n@p><br>\n\n@p>
@param vpcId The ID of the requester VPC.\n
@return Returns a reference to this object so that method calls can be chained together.\n\*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@p>\nThe ID of the requester VPC.\n\n@p><br>\n\n@p>
@param vpcId The ID of the requester VPC.\n\n@p><br>\n\n@p>
\n@return Returns a reference to this object so that method calls can be chained together.\n\*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the requester VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null}
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "CreateVpcPeeringConnectionRequest",
"unmarshaller": null,
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  "variableName": "createVpcPeeringConnectionRequest",
  "variableType": "CreateVpcPeeringConnectionRequest",
  "documentation": null,
  "simpleType": "CreateVpcPeeringConnectionRequest",
  "variableSetterType": "CreateVpcPeeringConnectionRequest"
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"wrapper": false
},
"CreateVpcPeeringConnectionResult": {
  "c2jName": "CreateVpcPeeringConnectionResult",
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateVpcPeeringConnection.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
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      "enumType": null,
      "fluentSetterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@<param
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@<return
Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withVpcPeeringConnection",
      "getterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@<param
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@<return
Information about the VPC peering connection.*/",
      "getterMethodName": "getVpcPeeringConnection",
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        "returnType": "VpcPeeringConnection",
        "shapeName": "VpcPeeringConnection"
      }
    }
  ]
"documentation": null
},
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnection",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnection",
"setterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@param
vpcPeeringConnection Information about the VPC peering connection.</p>*/
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"setterMethodName": "setVpcPeeringConnection",
"setterModel": {
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"variableType": "VpcPeeringConnection",
"documentation": "",
"simpleType": "VpcPeeringConnection",
"variableSetterType": "VpcPeeringConnection"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the VPC peering connection.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/
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"variableDeclarationType": "VpcPeeringConnection",
"variableName": "vpcPeeringConnection",
"variableType": "VpcPeeringConnection",
"documentation": "<p>Information about the VPC peering connection.</p>",
"simpleType": "VpcPeeringConnection",
"variableSetterType": "VpcPeeringConnection"
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"xmlnsSpaceUri": null
}].
"membersAsMap": {
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    "c2jShape": "VpcPeeringConnection",
    "deprecated": false,
    "documentation": "&lt;p&gt;Information about the VPC peering connection.&lt;/p&gt;",
    "enumType": null,
    "fluentSetterDocumentation": "/**&lt;p&gt;Information about the VPC peering connection.&lt;/p&gt;&lt;param vpcPeeringConnection Information about the VPC peering connection.&lt;/p&gt;&lt;return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
    "fluentSetterMethodName": "withVpcPeeringConnection",
    "getterDocumentation": "/**&lt;p&gt;Information about the VPC peering connection.&lt;/p&gt;&lt;return Information about the VPC peering connection.&lt;/p&gt;*/",
    "getterMethodName": "getVpcPeeringConnection",
    "getterModel": {
      "returnType": "VpcPeeringConnection",
      "documentation": null
    },
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      "greedy": false,
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      "isStreaming": false,
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      "marshallLocationName": "VpcPeeringConnection",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "vpcPeeringConnection",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "VpcPeeringConnection",
    "setterDocumentation": "/**&lt;p&gt;Information about the VPC peering connection.&lt;/p&gt;&lt;param vpcPeeringConnection Information about the VPC peering connection.&lt;/p&gt;&lt;return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
    "setterMethodName": "setVpcPeeringConnection",
    "setterModel": {
      "variableDeclarationType": "VpcPeeringConnection",
      "variableName": "vpcPeeringConnection",
      "variableType": "VpcPeeringConnection",
      "documentation": "",
      "simpleType": "VpcPeeringConnection",
    }
  }
}
"variableSetterType" : "VpcPeeringConnection"},
"simple" : false,
"varargSetterDocumentation" : "/**
\* Information about the VPC peering connection.
\n@returns Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
"variableDeclarationType" : "VpcPeeringConnection",
"variableName" : "vpcPeeringConnection",
"variableType" : "VpcPeeringConnection",
"documentation" : "Information about the VPC peering connection.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateVpcPeeringConnectionResult",
" unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateVpcPeeringConnectionResult",
"variableName" : "createVpcPeeringConnectionResult",
"variableType" : "CreateVpcPeeringConnectionResult",
"documentation" : null,
"simpleType" : "CreateVpcPeeringConnectionResult",
"variableSetterType" : "CreateVpcPeeringConnectionResult"
},
"wrapper" : false
},
"CreateVpcRequest" : {
"c2jName" : "CreateVpcRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Contains the parameters for CreateVpc.\n\n\n© 2015 Amazon Web Services, Inc. or its affiliates. All rights reserved.

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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example,
"10.0.0.0/16"."
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  ...
  "documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example,
"10.0.0.0/16"."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The IPv4 network range for the VPC, in CIDR notation. For example,
"10.0.0.0/16"."",
  "fluentSetterMethodName" : "withCidrBlock",
  "getterDocumentation" : "The IPv4 network range for the VPC, in CIDR notation. For example,
"10.0.0.0/16"."",
  "getterMethodName" : "getCidrBlock",
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    "returnType" : "String",
    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CidrBlock",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrBlock",
"setterDocumentation": "/**\n* The IPv4 network range for the VPC, in CIDR notation. For example,
* <code>10.0.0.0/16</code>.\n* @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For
* example, <code>10.0.0.0/16</code>.
* @return Returns a reference to this object so that method calls can be
* chained together.*/",
"setterMethodName": "setCidrBlock",
"setterModel": {
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  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The IPv4 network range for the VPC, in CIDR notation. For example,
* <code>10.0.0.0/16</code>.\n* @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For
* example, <code>10.0.0.0/16</code>.
* @return Returns a reference to this object so that method calls can be
* chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "The IPv4 network range for the VPC, in CIDR notation. For example,
* <code>10.0.0.0/16</code>.
* @return Returns a reference to this object so that method calls can be
* chained together.*/",
  "xmlNameSpaceUri": null
},
"c2jName": "InstanceTenancy",
"c2jShape": "Tenancy",
"deprecated": false,
"documentation": "The tenancy options for instances launched into the VPC. For <code>default</code>,
instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared
tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You
can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated
tenancy VPC. <p> Important: The <code>host</code> value cannot be used with this parameter. Use the
<code>default</code> or <code>dedicated</code> values only. <p> Default: <code>default</code>  
* @return Returns a reference to this object so that method calls can be
* chained together.*/",
"enumType": "Tenancy",
"fluentSetterDocumentation": "The tenancy options for instances launched into the VPC. For
<code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared
tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You
can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated
tenancy VPC. <p> Important: The <code>host</code> value cannot be used with this parameter. Use the
<code>default</code> or <code>dedicated</code> values only. <p> Default: <code>default</code>  
* @return Returns a reference to this object so that method calls can be
* chained together.*/",}
Default: `<code>default</code>`

@param instanceTenancy The tenancy options for instances launched into the VPC. For `<code>default</code>`, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For `<code>dedicated</code>`, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of `<code>dedicated</code>` or `<code>host</code>` into a dedicated tenancy VPC. `<code>host</code>` cannot be used with this parameter. Use the `<code>default</code>` or `<code>dedicated</code>` values only.

Default: `<code>default</code>`

@see Tenancy*/
The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/

The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/

The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/

The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/

The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/

Returns a reference to this object so that method calls can be chained together.

The tenancy options for instances launched into the VPC. For instances launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For instances launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of dedicated or host into a dedicated tenancy VPC. For host value cannot be used with this parameter. Use the values only.

Default: default

@see Tenancy*/
"variableSetterType" : "String",
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"xmlNameSpaceUri" : null
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAmazonProvidedIpv6CidrBlock",
"getterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.*/",
"getterMethodName" : "getAmazonProvidedIpv6CidrBlock",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AmazonProvidedIpv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "amazonProvidedIpv6CidrBlock",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmazonProvidedIpv6CidrBlock",
"setterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAmazonProvidedIpv6CidrBlock",
"setterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"typedExceptions" : [],
"xmlNameSpaceUri" : null
}
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.*"/

"setterMethodName" : "setAmazonProvidedIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "amazonProvidedIpv6CidrBlock",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "amazonProvidedIpv6CidrBlock",
  "variableType" : "Boolean",
  "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
  "AmazonProvidedIpv6CidrBlock" : {
    "c2jName" : "AmazonProvidedIpv6CidrBlock",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@param
amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*"/",
    "fluentSetterMethodName" : "withAmazonProvidedIpv6CidrBlock",
    "getterDocumentation" : "/**<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.</p>
@return Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.*/",
    "getterMethodName" : "getAmazonProvidedIpv6CidrBlock",
    "getterModel" : {

/**
 * Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.
 * @param amazonProvidedIpv6CidrBlock Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/*\n*/

/*\n*/

/*\n*/
VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.<p/>

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"CidrBlock" : {
  "c2jName" : "CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.<p>
  \n  @param cidrBlock The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>. \n  @return Returns a reference to this object so that method calls can be chained together.*\"",
  "fluentSetterMethodName" : "withCidrBlock",
  "getterDocumentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.<p>
  @return The IPv4 network range for the VPC, in CIDR notation. For example, <code>10.0.0.0/16</code>.*/",
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  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CidrBlock",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "CidrBlock",
  "setterDocumentation" : "The IPv4 network range for the VPC, in CIDR notation. For example,
<code>10.0.0.0/16</code>

```java

```

**setterMethodName**: "setCidrBlock",

```java

```

**setterModel**: {

```java

```

**variableDeclarationType**: "String",

```java

```

**variableName**: "cidrBlock",

```java

```

**variableType**: "String",

```java

```

**documentation**: "",

```java

```

**simpleType**: "String",

```java

```

**variableSetterType**: "String"

```java

```

**simple**: true,

```java

```

**varargSetterDocumentation**: 

```java

```

**The IPv4 network range for the VPC, in CIDR notation. For example,**

```java

```

**param cidrBlock**

```java

```

**The IPv4 network range for the VPC, in CIDR notation. For example,**

```java

```

**return**

```java

```

**Returns a reference to this object so that method calls can be chained together.**

```java

```

**variable**: {

```java

```

**variableDeclarationType**: "String",

```java

```

**variableName**: "cidrBlock",

```java

```

**variableType**: "String",

```java

```

**documentation**: "",

```java

```

**simpleType**: "String",

```java

```

**variableSetterType**: "String"

```java

```

**xmlNameSpaceUri**: null

```java

```

**InstanceTenancy**: {

```java

```

**c2jName**: "InstanceTenancy",

```java

```

**c2jShape**: "Tenancy",

```java

```

**deprecated**: false,

```java

```

**documentation**: "",

```java

```

**InstanceTenancy**: {

```java

```

**c2jName**: "InstanceTenancy",

```java

```

**c2jShape**: "Tenancy",

```java

```

**deprecated**: false,

```java

```

**documentation**: "",

```java

```

**The tenancy options for instances launched into the VPC. For**

```java

```

**default**

```java

```

**instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For**

```java

```

**dedicated**

```java

```

**instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of**

```java

```

**dedicated**

```java

```

**or**

```java

```

**host**

```java

```

**into a dedicated tenancy VPC.**

```java

```

**Important:**

```java

```

**The**

```java

```

**host**

```java

```

**value cannot be used with this parameter. Use the**

```java

```

**default**

```java

```

**or**

```java

```

**dedicated**

```java

```

**values only.**

```java

```

**Default:**

```java

```

**default**

```java

```

***/

```java

```

**"enumType": "Tenancy",

```java

```

**"fluentSetterDocumentation"**: "",

```java

```

**"The tenancy options for instances launched into the VPC. For**

```java

```

**default**

```java

```

**instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For**

```java

```

**dedicated**

```java

```

**instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of**

```java

```

**dedicated**

```java

```

**or**

```java

```

**host**

```java

```

**into a dedicated tenancy VPC.**

```java

```

**Important:**

```java

```

**The**

```java

```

**host**

```java

```

**value cannot be used with this parameter. Use the**

```java

```

**default**

```java

```

**or**

```java

```

**dedicated**

```java

```

**values only.**

```java

```

**Default:**

```java

```

**default**

```java

```

***/

```java

```

**"enumType": "Tenancy",

```java

```

**"fluentSetterDocumentation"**: "",

```java

```

**The tenancy options for instances launched into the VPC. For**

```java

```

**default**

```java

```

**instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For**

```java

```

**dedicated**

```java

```

**instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of**

```java

```

**dedicated**

```java

```

**or**

```java

```

**host**

```java

```

**into a dedicated tenancy VPC.**

```java

```

**Important:**

```java

```

**The**

```java

```

**host**

```java

```

**value cannot be used with this parameter. Use the**

```java

```

**default**

```java

```

**or**

```java

```

**dedicated**

```java

```

**values only.**

```java

```

**Default:**

```java

```

**default**

```java

```

***/

```java

```
<code>host</code> into a dedicated tenancy VPC. </p> <p> <b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p> <p>Default: <code>default</code> <br />@return Returns a reference to this object so that method calls can be chained together.</p> */

"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. </p> <p> <b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p> <p>Default: <code>default</code> </p>\n@return The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. </p> <p> <b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p> <p>Default: <code>default</code> <br />@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or
<code>host</code> into a dedicated tenancy VPC. <p> Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>

@Default: <code>default</code>

@See Tenancy*/

```json
{
  "setterMethodName" : "setInstanceTenancy",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceTenancy",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/*\p> The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC. <p> Important: The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.</p>

@Default: <code>default</code>

@See Tenancy*/

```
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "CidrBlock" ],
"shapeName" : "CreateVpcRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateVpcRequest",
  "variableName" : "createVpcRequest",
  "variableType" : "CreateVpcRequest",
  "documentation" : null,
  "simpleType" : "CreateVpcRequest",
  "variableSetterType" : "CreateVpcRequest"
},
"wrapper" : false
},
"CreateVpcResult" : {
  "c2jName" : "CreateVpcResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Vpc",
    "c2jShape" : "Vpc",
    "deprecated" : false,
    "documentation" : "<p>Information about the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the VPC.</p>*/
     @return Returns a reference to this object so that method calls can be chained together."/",
    "fluentSetterMethodName" : "withVpc",
    "getterDocumentation" : "/**<p>Information about the VPC.</p>*/
     @return Information about the VPC."/",
    "getterMethodName" : "getVpc",
    "getterModel" : {
      "returnType" : "Vpc",
      "documentation" : null
    }
  }
}
"http": {  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Vpc",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "vpc",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Vpc",
"setterDocumentation": "/**<p>Information about the VPC.</p>
@param vpc Information about the
VPC.*/",
"setterMethodName": "setVpc",
"setterModel": {
  "variableDeclarationType": "Vpc",
  "variableName": "vpc",
  "variableType": "Vpc",
  "documentation": "",
  "simpleType": "Vpc",
  "variableSetterType": "Vpc"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the VPC.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Vpc",
  "variableName": "vpc",
  "variableType": "Vpc",
  "documentation": "<p>Information about the VPC.</p>",
  "simpleType": "Vpc",
  "variableSetterType": "Vpc"
},
"xmlNameSpaceUri": null
};
"membersAsMap": {
  "Vpc": {
    "c2jName": "Vpc",
    "variableDeclarationType": "Vpc",
    "variableName": "vpc",
    "variableType": "Vpc",
    "documentation": "<p>Information about the VPC.</p>",
    "simpleType": "Vpc",
    "variableSetterType": "Vpc"
  }
};
"c2jShape" : "Vpc",
"deprecated" : false,
"documentation" : "<p>Information about the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Information about the VPC.</p><p>@param vpc Information about the VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withVpc",
"getterDocumentation" : "/*<p>Information about the VPC.</p><p>@return Information about the VPC.</p>*/",
"getterMethodName" : "getVpc",
"getterModel" : {
"returnType" : "Vpc",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Vpc",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpc",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Vpc",
"setterDocumentation" : "/*<p>Information about the VPC.</p><p>@param vpc Information about the VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setVpc",
"setterModel" : {
"variableDeclarationType" : "Vpc",
"variableName" : "vpc",
"variableType" : "Vpc",
"documentation" : "",
"simpleType" : "Vpc",
"variableSetterType" : "Vpc"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>Information about the VPC.</p><p>@param vpc Information about the VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/"
"variable": {
  "variableDeclarationType": "Vpc",
  "variableName": "vpc",
  "variableType": "Vpc",
  "documentation": "<p>Information about the VPC.</p>",
  "simpleType": "Vpc",
  "variableSetterType": "Vpc"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "CreateVpcResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CreateVpcResult",
  "variableName": "createVpcResult",
  "variableType": "CreateVpcResult",
  "documentation": null,
  "simpleType": "CreateVpcResult",
  "variableSetterType": "CreateVpcResult"
},
"wrapper": false
},
"CreateVpnConnectionRequest": {
  "c2jName": "CreateVpnConnectionRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateVpnConnection.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "CreateVpnConnection",
    "locationName": null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "Type",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The type of VPN connection (<code>ipsec.1</code>).",
"enumType" : null,
"fluentSetterDocumentation" : "The type of VPN connection (<code>ipsec.1</code>). Returns a reference to this object so that method calls can be chained together."/
",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "The type of VPN connection (<code>ipsec.1</code>).
\n@return The type of VPN connection (<code>ipsec.1</code>).*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "The type of VPN connection (<code>ipsec.1</code>).\n\n@param The type of VPN connection (<code>ipsec.1</code>).*/",
"setterMethodName" : "setType",
"setterModel" : { 
"variableDeclarationType" : "String"
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of VPN connection (<code>ipsec.1</code>).\n@type The type of VPN connection (<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection (<code>ipsec.1</code>).\n\n@return The type of VPN connection (<code>ipsec.1</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CustomerGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway.</p>
\n@param customerGatewayId The ID of the customer gateway.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "/*\n@return The ID of the customer gateway.*/",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
"unmarshalledLocationName" : "CustomerGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**\n<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.\n*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.\n@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "\n<p>The ID of the customer gateway.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpnGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\n<p>The ID of the virtual private gateway.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.\n@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "/**\n<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.\n@returns The ID of the virtual private gateway.*/",
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
  "returnType" : "String",
}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpnGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.</p>\n@returns
A reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@paramvpnGatewayId The ID of the virtual private gateway.
\n@returns
A reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"c2jName" : "Options",
"c2jShape" : "VpnConnectionOptionsSpecification",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
</p>
@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOptions",
"getterDocumentation" : "/**
<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
</p>
@return Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>.
*/",
"getterMethodName" : "getOptions",
"getterModel" : {
 "returnType" : "VpnConnectionOptionsSpecification",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "options",
 "uri" : false
},
?idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Options",
"setterDocumentation" : "/**
<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
</p>
@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "withOptions"
routes. If you are creating a VPN connection for a device that does not support BGP, you must specify
<code>true</code>. Default: <code>false</code>*/

setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VpnConnectionOptionsSpecification",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptionsSpecification",
  "documentation" : "",
  "simpleType" : "VpnConnectionOptionsSpecification",
  "variableSetterType" : "VpnConnectionOptionsSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>*/
@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "VpnConnectionOptionsSpecification",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptionsSpecification",
  "documentation" : "<p>The ID of the customer gateway.</p>\n@<param customerGatewayId
The ID of the customer gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "/**\n The ID of the customer gateway.\n@\nreturn The ID of the customer gateway.\n"/"",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "/**\n The ID of the customer gateway.\n@\nreturn The ID of the customer gateway.\n"/"",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CustomerGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the customer gateway.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Options" : {
  "c2jName" : "Options"
"c2jShape" : "VpnConnectionOptionsSpecification",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>. *

@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>. *<n>return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOptions",
"getterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>. *

@return Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>.*/",
"getterMethodName" : "getOptions",
"getterModel" : {
"returnType" : "VpnConnectionOptionsSpecification",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "options",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Options",
"setterDocumentation" : "/**<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>. */

@param options Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify <code>true</code>. <p>Default: <code>false</code>. */

@return Returns a reference to this object so that method calls can be chained together.*/"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**
<p>The type of VPN connection (<code>ipsec.1</code>).<br/>
@param type The type of VPN connection (<code>ipsec.1</code>).<br/>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The type of VPN connection (<code>ipsec.1</code>).<br/>
@param type The type of VPN connection (<code>ipsec.1</code>).<br/>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "<p>The type of VPN connection (<code>ipsec.1</code>).<br/>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpnGatewayId" : {
"c2jName" : "VpnGatewayId",
"c2jShape" : "String",
"deprecated" : false,
The ID of the virtual private gateway.

@returns Returns a reference to this object so that method calls can be chained together.

withVpnGatewayId

The ID of the virtual private gateway.

getVpnGatewayId

The ID of the virtual private gateway.

setVpnGatewayId

The ID of the virtual private gateway.
chained together.*"},
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpnGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Type", "CustomerGatewayId", "VpnGatewayId" ],
"shapeName" : "CreateVpnConnectionRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateVpnConnectionRequest",
  "variableName" : "createVpnConnectionRequest",
  "variableType" : "CreateVpnConnectionRequest",
  "documentation" : null,
  "simpleType" : "CreateVpnConnectionRequest",
  "variableSetterType" : "CreateVpnConnectionRequest"
},
"wrapper" : false
},
"CreateVpnConnectionResult" : {
  "c2jName" : "CreateVpnConnectionResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateVpnConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "VpnConnection",
    "c2jShape" : "VpnConnection",
    "deprecated" : false,
chained together.*"/
    "variable" : {
        "variableDeclarationType" : "VpnConnection",
        "variableName" : "vpnConnection",
        "variableType" : "VpnConnection",
        "documentation" : "&lt;p&gt;Information about the VPN connection.&lt;/p&gt;",
        "simpleType" : "VpnConnection",
        "variableSetterType" : "VpnConnection"
    },
    "xmlNameSpaceUri" : null
  },
  "membersAsMap" : {
    "VpnConnection" : {
      "c2jName" : "VpnConnection",
      "c2jShape" : "VpnConnection",
      "deprecated" : false,
      "documentation" : "&lt;p&gt;Information about the VPN connection.&lt;/p&gt;",
      "enumType" : null,
      "fluentSetterDocumentation" : "/*&lt;p&gt;Information about the VPN connection.&lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.*"/
    },
    "fluentSetterMethodName" : "withVpnConnection",
    "getterDocumentation" : "/*&lt;p&gt;Information about the VPN connection.&lt;/p&gt;\n@returns Information about the VPN connection.*"/
  },
  "getterMethodName" : "getVpnConnection",
  "getterModel" : {
    "returnType" : "VpnConnection",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpnConnection",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpnConnection",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "VpnConnection",
"setterDocumentation" : "/**<p>Information about the VPN connection.</p>
@param vpnConnection
Information about the VPN connection.*"",
"setterMethodName" : "setVpnConnection",
"setterModel" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "vpnConnection",
  "variableType" : "VpnConnection",
  "documentation" : "",
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPN connection.</p>
@param vpnConnection
Information about the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "vpnConnection",
  "variableType" : "VpnConnection",
  "documentation" : "<p>Information about the VPN connection.</p>
"simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateVpnConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateVpnConnectionResult",
  "variableName" : "createVpnConnectionResult",
  "variableType" : "CreateVpnConnectionResult",
  "documentation" : null,
  "simpleType" : "CreateVpnConnectionResult",
  "variableSetterType" : "CreateVpnConnectionResult"
},
"wrapper" : false,
"CreateVpnConnectionRouteRequest" : {
  "c2jName" : "CreateVpnConnectionRouteRequest",

"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpnConnectionRoute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "CreateVpnConnectionRoute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "c2jName" : "VpnConnectionId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPN connection.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
        <p>@param vpnConnectionId The ID of the VPN connection.</p>
        <p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
        "fluentSetterMethodName" : "withVpnConnectionId",
        "getterDocumentation" : "/**<p>The ID of the VPN connection.</p>
        <p>@return The ID of the VPN connection.</p>*/",
        "getterMethodName" : "getVpnConnectionId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "VpnConnectionId",
            "marshallLocationName" : "VpnConnectionId"
        },
    }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "The ID of the VPN connection.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The CIDR block associated with the local subnet of the customer network.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@return The CIDR block associated with the local subnet of the customer network.*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {"xmlNameSpaceUri" : null}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DestinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer
network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer
network.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer
network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer
network.<\/param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlns:NameSpaceUri" : null
}

"membersAsMap" : {
  "DestinationCidrBlock" : {
    "c2jName" : "DestinationCidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
*\n@returns A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDestinationCidrBlock",
    "getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
*\n@returns The CIDR block associated with the local subnet of the customer network.*/",
    "getterMethodName" : "getDestinationCidrBlock",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "DestinationCidrBlock",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "DestinationCidrBlock",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "DestinationCidrBlock",
    "setterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
*\n@returns The CIDR block associated with the local subnet of the customer network.*/",
    "setterMethodName" : "setDestinationCidrBlock",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "destinationCidrBlock",
      "variableType" : "String"
    }
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpnConnectionId" : {
"c2jName" : "VpnConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@return The ID of the VPN connection.*/",
"getterMethodName" : "getVpnConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnConnectionId",
"queryString" : false,
"statusString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of
the VPN connection.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The
ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpnConnectionId", "DestinationCidrBlock" ],
"shapeName" : "CreateVpnConnectionRouteRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateVpnConnectionRouteRequest",
  "variableName" : "createVpnConnectionRouteRequest",
  "variableType" : "CreateVpnConnectionRouteRequest",
  "documentation" : null,
  "simpleType" : "CreateVpnConnectionRouteRequest",
  "variableSetterType" : "CreateVpnConnectionRouteRequest"
}.
"wrapper": false
",
"CreateVpnConnectionRouteResult": {
  "c2jName": "CreateVpnConnectionRouteResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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  "members": null,
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  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "CreateVpnConnectionRouteResult",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  },
  "variable": {
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    "variableName": "createVpnConnectionRouteResult",
    "variableType": "CreateVpnConnectionRouteResult",
    "documentation": null,
    "simpleType": "CreateVpnConnectionRouteResult",
    "variableSetterType": "CreateVpnConnectionRouteResult"
  },
  "wrapper": false
},
"CreateVpnGatewayRequest": {
  "c2jName": "CreateVpnGatewayRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
"documentation" : "<p>Contains the parameters for CreateVpnGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "CreateVpnGateway",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {"c2jName" : "Type",
   "c2jShape" : "GatewayType",
   "deprecated" : false,
   "documentation" : "&lt;p&gt;The type of VPN connection this virtual private gateway supports.&lt;/p&gt;",
   "enumType" : "GatewayType",
   "fluentSetterDocumentation" : "/**&lt;p&gt;The type of VPN connection this virtual private gateway supports.&lt;/p&gt;&lt;param type The type of VPN connection this virtual private gateway supports.&lt;/param&gt;&lt;return Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;&lt;see GatewayType*/",
   "fluentSetterMethodName" : "withType",
   "getterDocumentation" : "/**&lt;p&gt;The type of VPN connection this virtual private gateway supports.&lt;/p&gt;&lt;return The type of VPN connection this virtual private gateway supports.&lt;/return&gt;&lt;see GatewayType*/",
   "getterMethodName" : "getType",
   "getterModel" : {
     "returnType" : "String",
     "documentation" : null
   },
   "http" : {
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     "additionalUnmarshallingPath" : null,
     "flattened" : false,
     "greedy" : false,
     "header" : false,
     "isPayload" : false,
     "isStreaming" : false,
     "location" : null,
     "marshallLocationName" : "Type",
     "queryString" : false,
     "statusCode" : false,
     "unmarshallLocationName" : "Type",
     "uri" : false
   },
   "idempotencyToken" : false,
"setterDocumentation" : "/**\n<p>The type of VPN connection this virtual private gateway supports.</p>\n@param type The type of VPN connection this virtual private gateway supports.\n@see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The type of VPN connection this virtual private gateway supports.</p>\n@param type The type of VPN connection this virtual private gateway supports.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GatewayType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : <p>The type of VPN connection this virtual private gateway supports.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The Availability Zone for the virtual private gateway.</p>\n@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
  "getterDocumentation" : "/**\n<p>The Availability Zone for the virtual private gateway.</p>\n@return The Availability Zone for the virtual private gateway.*/",
  "getterMethodName" : "getAvailabilityZone",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZone",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.</p>
@param availabilityZone The Availability Zone for the virtual private gateway.</param>*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the virtual private gateway.</p>
@param availabilityZone The Availability Zone for the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
...}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : " /**<p>The Availability Zone for the virtual private gateway.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : " /**<p>The Availability Zone for the virtual private gateway.</p>
@return The Availability Zone for the virtual private gateway. */",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "marshallLocationName" : "AvailabilityZone",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "AvailabilityZone",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "AvailabilityZone",
 "setterDocumentation" : " /**<p>The Availability Zone for the virtual private gateway.</p>
@param
availabilityZone The Availability Zone for the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
 "setterMethodName" : "setAvailabilityZone",
 "setterModel" : {
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 "variableName" : "availabilityZone",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
"varargSetterDocumentation": "/**\n<p>The Availability Zone for the virtual private gateway.</p>\n@param availabilityZone The Availability Zone for the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "availabilityZone",
    "variableType": "String",
    "documentation": "<p>The Availability Zone for the virtual private gateway.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"Type": {
    "c2jName": "Type",
    "c2jShape": "GatewayType",
    "deprecated": false,
    "documentation": "<p>The type of VPN connection this virtual private gateway supports.</p>",
    "enumType": "GatewayType",
    "fluentSetterDocumentation": "/**\n<p>The type of VPN connection this virtual private gateway supports.</p>\n@param type The type of VPN connection this virtual private gateway supports.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GatewayType*/",
    "fluentSetterMethodName": "withType",
    "getterDocumentation": "/**\n<p>The type of VPN connection this virtual private gateway supports.</p>\n@return The type of VPN connection this virtual private gateway supports.\n@see GatewayType*/",
    "getterMethodName": "getType",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
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        "additionalUnmarshallingPath": null,
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        "greedy": false,
        "header": false,
        "isPayload": false,
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        "location": null,
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        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "Type",
        "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
**The type of VPN connection this virtual private gateway supports.**

```java
/**
 * The type of VPN connection this virtual private gateway supports.
 * @param type The type of VPN connection this virtual private gateway supports.
 * @see GatewayType*/

private String type;
```

**Returns a reference to this object so that method calls can be chained together.**

```java
/**
 * The type of VPN connection this virtual private gateway supports.
 * @param type The type of VPN connection this virtual private gateway supports.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see GatewayType*/

public CreateVpnGatewayRequest withType(String type) {
    this.type = type;
    return this;
}
```
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpnGateway.</p>",
"enums" : null,
"errorCode" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "c2jName" : "VpnGateway",
  "c2jShape" : "VpnGateway",
  "deprecated" : false,
  "documentation" : "<p>Information about the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnGateway",
  "getterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@return Information about the virtual private gateway.*/",
  "getterMethodName" : "getVpnGateway",
  "getterModel" : {
    "returnType" : "VpnGateway",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpnGateway",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpnGateway",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
Information about the virtual private gateway. */

@param vpnGateway Information about the virtual private gateway. 

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
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  "variableName" : "vpnGateway",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param
vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "VpnGateway",
  "variableName" : "vpnGateway",
  "variableType" : "VpnGateway",
  "documentation" : "<p>Information about the virtual private gateway.</p>",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
},
"xmlNameSpaceUri" : null
]
,"membersAsMap" : {
"VpnGateway" : {
  "c2jName" : "VpnGateway",
  "c2jShape" : "VpnGateway",
  "deprecated" : false,
  "documentation" : "<p>Information about the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param
vpnGateway Information about the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withVpnGateway",
"getterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@return Information about the virtual private gateway. */

"getterMethodName" : "getVpnGateway",
"getterModel" : {
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  "documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpnGateway",
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGateway",
"setterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param vpnGateway
Information about the virtual private gateway.*/",
"setterMethodName" : "setVpnGateway",
"setterModel" : {
  "variableDeclarationType" : "VpnGateway",
  "variableName" : "vpnGateway",
  "variableType" : "VpnGateway",
  "documentation" : "",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the virtual private gateway.</p>
@param vpnGateway Information about the virtual private gateway.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "VpnGateway",
  "documentation" : "<p>Information about the virtual private gateway.</p>",
  "simpleType" : "VpnGateway",
  "variableSetterType" : "VpnGateway"
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"xmlNameSpaceUri" : null}
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"variableType" : "CurrencyCodeValues",
"documentation" : null,
"simpleType" : "CurrencyCodeValues",
"variableSetterType" : "CurrencyCodeValues"
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},
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 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Describes a customer gateway.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "CustomerGatewayId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the customer gateway.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>\n@\n@param CustomerGatewayId
The ID of the customer gateway.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
 "fluentSetterMethodName" : "withCustomerGatewayId",
 "getterDocumentation" : "/**<p>The ID of the customer gateway.</p>\n@return The ID of the customer
gateway.*/",
 "getterMethodName" : "getCustomerGatewayId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
available | deleting | deleted</code>).\n@return Returns a reference to this object so that method calls can be chained together.*"*/
,
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@return The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
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        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "State",
    "setterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@<br>param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/",
    "setterMethodName" : "setState",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "state",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@<br>param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/\n@return Returns a reference to this object so that method calls can be
The current state of the customer gateway (<code>pending | available | deleting | deleted</code>). 

The type of VPN connection the customer gateway supports (<code>ipsec.1</code>). 

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The type of VPN connection the customer gateway supports (<code>ipsec.1</code>).
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "/**<p>The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).\n@param type The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of VPN connection the customer gateway supports
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(<code>ipsec.1</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "The type of VPN connection the customer gateway supports
(<code>ipsec.1</code>).",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "IpAddress",
"c2jShape": "String",
"deprecated": false,
"documentation": "The Internet-routable IP address of the customer gateway's outside interface.\n@return The Internet-routable IP address of the customer gateway's outside interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpAddress",
"getterDocumentation": "/**<p>The Internet-routable IP address of the customer gateway's outside interface.\n@return The Internet-routable IP address of the customer gateway's outside interface.*/",
"getterMethodName": "getIpAddress",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"additionalUnmarshallingPath": null,  
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"isPayload": false,  
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"statusCode": false,  
"unmarshallLocationName": "ipAddress",  
"uri": false  
},  
"idempotencyToken": false,  
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"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "IpAddress",  
"setterDocumentation": "/**\n@param ipAddress The Internet-routable IP address of the customer gateway's outside interface.\n@returns Returns a reference to this object so that method calls can be chained together.*/",  
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"variableName": "ipAddress",  
"variableType": "String",  
"documentation": "",  
"simpleType": "String",  
"variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**\n@param ipAddress The Internet-routable IP address of the customer gateway's outside interface.\n@returns Returns a reference to this object so that method calls can be chained together.*/",  
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"variableName": "ipAddress",  
"variableType": "String",  
"documentation": "<p>The Internet-routable IP address of the customer gateway's outside interface.</p>",  
"simpleType": "String",  
"variableSetterType": "String"  
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"xmlNameSpaceUri": null  
}, {  
"c2jName": "BgpAsn",  
"c2jShape": "String"}
"deprecated" : false,
"documentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@\p The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBgpAsn",
"getterDocumentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@return The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).*/",
"getterMethodName" : "getBgpAsn",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "BgpAsn",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "bgpAsn",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BgpAsn",
"setterDocumentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@\p The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n@return The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).*/",
"setterMethodName" : "setBgpAsn",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "bgpAsn",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String"
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "bgpAsn",
  "variableType" : "String",
  "documentation" : "<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the customer gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the customer gateway.</p>
@param tags Any tags assigned to the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the customer gateway.</p>
@return Any tags assigned to the customer gateway.
*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
{"idempotencyToken":false,
"list":true,
"listModel":{
  "implType":"com.amazonaws.internal.SdkInternalList",
  "interfaceType":"java.util.List",
  "listMemberModel":{
    "c2jName":"member",
    "c2jShape":"Tag",
    "deprecated":false,
    "documentation":null,
    "enumType":null,
    "fluentSetterDocumentation":"/**
    * @param member
    * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName":"withMember",
    "getterDocumentation":"/**
    * @return *
    */",
    "getterMethodName":"getMember",
    "getterModel":{
      "returnType":"Tag",
      "documentation":null
    }
  },
  "http":{
    "additionalMarshallingPath":null,
    "additionalUnmarshallingPath":null,
    "flattened":false,
    "greedy":false,
    "header":false,
    "isPayload":false,
    "isStreaming":false,
    "location":null,
    "marshallLocationName":"Item",
    "queryString":false,
    "statusCode":false,
    "unmarshallLocationName":"item",
    "uri":false
  },
  "idempotencyToken":false,
  "list":false,
  "listModel":null,
  "map":false,
  "mapModel":null,
  "name":"Member",
  "setterDocumentation":"/**
  * @param member *
  */",
  "setterMethodName":"setMember",
  "setterModel":{
    "variableDeclarationType":"Tag",
    "variableName":"member",
    "variableType":"Tag"}
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
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},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
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"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n<p>Any tags assigned to the customer gateway.</p>
@param tags Any tags assigned to the customer gateway.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the customer gateway.</p>
@param tags Any tags assigned to the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/

This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.

@see <a href="http://docs.amazonwebservices.com/AWSEC2/latest/APIReference/Api.html">Api</a>
together.*"},

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the customer gateway.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},

"xmlNameSpaceUri" : null
}],

"membersAsMap" : {
    "BgpAsn" : {
        "c2jName" : "BgpAsn",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
@return Returns a reference to this object so that method calls can be chained together.*"",
        "fluentSetterMethodName" : "withBgpAsn",
        "getterDocumentation" : "<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@return The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).*/",
        "getterMethodName" : "getBgpAsn",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "BgpAsn",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "bgpAsn",
            "uri" : false
        },
        "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BgpAsn",
"setterDocumentation" : "/**<p>The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p>
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "bgpAsn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
@param bgpAsn The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bgpAsn",
  "variableType" : "String",
  "documentation" : "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CustomerGatewayId" : {
  "c2jName" : "CustomerGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the customer gateway."
},
"getCustomerGatewayId" : {
  "returnType" : "String",
  "setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "withCustomerGatewayId",
  "setterModel" : {
    "returnType" : "String",
    "setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@return The ID of the customer gateway.*/",
    "setterMethodName" : "getCustomerGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "getterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@return The ID of the customer gateway.*/",
      "getterMethodName" : "getCustomerGatewayId"
    }
  }
}

"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "customerGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.*/",
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the customer gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpAddress" : {
  "c2jName" : "IpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The Internet-routable IP address of the customer gateway's outside interface.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.\n  \n  @param ipAddress The Internet-routable IP address of the customer gateway's outside interface.\n  \n  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpAddress",
  "getterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.\n  \n  @return The Internet-routable IP address of the customer gateway's outside interface.*/",
  "getterMethodName" : "getIpAddress",
  "getterModel" : { //
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "IpAddress",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipAddress",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "IpAddress",
  "setterDocumentation" : "/**<p>The Internet-routable IP address of the customer gateway's outside interface.\n  \n  @param ipAddress The Internet-routable IP address of the customer gateway's outside interface.*/",
  "setterMethodName" : "setIpAddress",
  "setterModel" : { //
    "variableDeclarationType" : "String",
    "variableName" : "ipAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
The Internet-routable IP address of the customer gateway's outside interface.

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.

The current state of the customer gateway (pending | available | deleting | deleted).

@returns Returns a reference to this object so that method calls can be chained together.
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the customer gateway.

@param tags Any tags assigned to the customer gateway.

@return Returns a reference to this object so that method calls can be chained together.

/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the customer gateway.

@param tags Any tags assigned to the customer gateway.

@return Returns a reference to this object so that method calls can be chained together.

/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the customer gateway.

@param tags Any tags assigned to the customer gateway.

@return Returns a reference to this object so that method calls can be chained together.

/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the customer gateway.

@param tags Any tags assigned to the customer gateway.

@return Returns a reference to this object so that method calls can be chained together.

/**<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>
@param state The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"getterMethodName" : "getTags",
"getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Tag",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Tag",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "uri" : false
        }
    }
}
"location": null,
"marshallLocationName": "item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the customer gateway.</p>
@param tags Any tags assigned to the customer gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the customer gateway.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the customer gateway.</p>
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection the customer gateway supports</p>
  <code>&lt;code&gt;ipsec.1&lt;/code&gt;).*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The type of VPN connection the customer gateway supports</p>
  <code>&lt;code&gt;ipsec.1&lt;/code&gt;).\n  @param type The type of VPN connection the customer gateway supports</code>&lt;code&gt;ipsec.1&lt;/code&gt;).\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The type of VPN connection the customer gateway supports</p>
  <code>&lt;code&gt;ipsec.1&lt;/code&gt;).\n  @return The type of VPN connection the customer gateway supports</code>&lt;code&gt;ipsec.1&lt;/code&gt;).*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String"}}
The type of VPN connection the customer gateway supports

```java
@Default
public void setType(String type) {
    this.type = type;
}
```

### Description

- **Type**: This field represents the type of VPN connection supported by the customer gateway, which is currently set to `IPSEC`. This interface is part of the `com.amazonaws.services.cognitoidentity.model` package, used for managing identity providers in AWS Cognito.

- **Setter Method**: The `setType` method allows setting the type of VPN connection. It accepts a `String` parameter named `type`, which specifies the desired type of connection.

### Example Usage

```java
import com.amazonaws.services.cognitoidentity.model.Type;

Type type = Type.IPSEC; // Set the type of VPN connection
```

### Parameters

- **Type**: This field is of type `String` and is used to store the type of VPN connection. It is a mandatory parameter, indicating the specific type of connection desired from the customer gateway. The `@Default` annotation suggests that this field is a default setting or property.

### Notes

- This field is part of a larger interface and package structure, reflecting a typical AWS service API design, where detailed types and methods are used to manage various aspects of identity management in AWS Cognito.
"xmlNameSpaceUri" : null
"
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CustomerGateway",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "CustomerGateway",
   "variableName" : "customerGateway",
   "variableType" : "CustomerGateway",
   "documentation" : null,
   "simpleType" : "CustomerGateway",
   "variableSetterType" : "CustomerGateway"
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"wrapper" : false
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   "customization" : {
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      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "",
   "enums" : [ {
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      "value" : "Active"
  }, {
      "name" : "Inactive",
      "value" : "Inactive"
  } ],
   "errorCode" : null,
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   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
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   "marshaller" : null,
   "members" : null,
   "membersAsMap" : { },
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"requestSignerClassFqcn" : null,
"required" : null,
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  "resultWrapper" : null
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"variable" : {
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  "variableType" : "DatafeedSubscriptionState",
  "documentation" : null,
  "simpleType" : "DatafeedSubscriptionState",
  "variableSetterType" : "DatafeedSubscriptionState"
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"wrapper" : false
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"DeleteCustomerGatewayRequest" : {
  "c2jName" : "DeleteCustomerGatewayRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteCustomerGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
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      "c2jName" : "CustomerGatewayId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the customer gateway.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>\n@\n@param customerGatewayId"
The ID of the customer gateway.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
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  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "/**<p>The ID of the customer gateway.</p>\n@param customerGatewayId The ID of the customer gateway.*/",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the customer gateway.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "/**<p>The ID of the customer gateway.</p>\n@return The ID of the customer gateway.*/",
  "variableSetterType" : "String"}
"variableName": "customerGatewayId",
"variableType": "String",
"documentation": "<p>The ID of the customer gateway.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"CustomerGatewayId": {
"c2jName": "CustomerGatewayId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the customer gateway.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID of the customer gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCustomerGatewayId",
"getterDocumentation": "/**<p>The ID of the customer gateway.</p>
@return The ID of the customer gateway.*/",
"getterMethodName": "getCustomerGatewayId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CustomerGatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CustomerGatewayId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CustomerGatewayId",
"setterDocumentation": "/**<p>The ID of the customer gateway.</p>
@param customerGatewayId The ID
of the customer gateway.*/*

"setterModel" : {
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  "variableName" : "customerGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\n\n@\n\n/*\n**The ID of the customer gateway.<p>@\n\n@param customerGatewayId
The ID of the customer gateway.
\n@return Returns a reference to this object so that method calls can be chained
together.*/

  "variable" : {
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    "variableName" : "customerGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the customer gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "CustomerGatewayId" ],
"shapeName" : "DeleteCustomerGatewayRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteCustomerGatewayRequest",
  "variableName" : "deleteCustomerGatewayRequest",
  "variableType" : "DeleteCustomerGatewayRequest",
  "documentation" : null,
  "simpleType" : "DeleteCustomerGatewayRequest",
  "variableSetterType" : "DeleteCustomerGatewayRequest"
},
"wrapper" : false
},
"DeleteCustomerGatewayResult" : {
  "c2jName" : "DeleteCustomerGatewayResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteCustomerGatewayResult",
"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DeleteCustomerGatewayResult",
  "variableName" : "deleteCustomerGatewayResult",
  "variableType" : "DeleteCustomerGatewayResult",
  "documentation" : null,
  "simpleType" : "DeleteCustomerGatewayResult",
  "variableSetterType" : "DeleteCustomerGatewayResult"
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"wrapper" : false
},
"DeleteDhcpOptionsRequest" : {
  "c2jName" : "DeleteDhcpOptionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteDhcpOptions.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
  },
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"members" : [ {
  "c2jName" : "DhcpOptionsId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the DHCP options set.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\<p>The ID of the DHCP options set.</p>\n@param dhcpOptionsId The ID of the DHCP options set.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDhcpOptionsId",
  "getterDocumentation" : "/**\<p>The ID of the DHCP options set.</p>\n@return The ID of the DHCP options set.*/",
  "getterMethodName" : "getDhcpOptionsId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DhcpOptionsId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DhcpOptionsId",
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "DhcpOptionsId",
  "setterDocumentation" : "/**\<p>The ID of the DHCP options set.</p>\n@param dhcpOptionsId The ID of the DHCP options set.*/",
  "setterMethodName" : "setDhcpOptionsId",
  "setterModel" : {
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    "variableType" : "String",
    "variableValue" : null
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}];
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the DHCP options set.
* @param dhcpOptionsId The ID of the DHCP options set.
* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
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"variableType" : "String",
"documentation" : "The ID of the DHCP options set.",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the DHCP options set.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* The ID of the DHCP options set.
* @param dhcpOptionsId The ID of the DHCP options set.
* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**\n* The ID of the DHCP options set.
* @return The ID of the DHCP options set.
*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"targetClass" : null,
"targetLocation" : null,
"unmarshallingParams" : null,
"unmarshallingType" : null,
"wrappedValue" : null
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"statusCode" : false,
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"uri" : false
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"map" : false,
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@param dhcpOptionsId The ID of the DHCP options set */",
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  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the DHCP options set.</p>
@param dhcpOptionsId The ID of the DHCP options set
@return Returns a reference to this object so that method calls can be chained together */",
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  "documentation" : "<p>The ID of the DHCP options set.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
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  "variableName" : "deleteDhcpOptionsRequest",
  "variableType" : "DeleteDhcpOptionsRequest",
  "documentation" : null,
  "simpleType" : "DeleteDhcpOptionsRequest",
  "xmlNameSpaceUri" : null
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"variableSetterType" : "DeleteDhcpOptionsRequest",
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"wrapper" : false
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"DeleteDhcpOptionsResult" : {
"c2jName" : "DeleteDhcpOptionsResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : null,
"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"requestSignerClassFqcn" : null,
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  "resultWrapper" : null
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  "variableType" : "DeleteDhcpOptionsResult",
  "documentation" : null,
  "simpleType" : "DeleteDhcpOptionsResult",
  "variableSetterType" : "DeleteDhcpOptionsResult"
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"wrapper" : false
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"DeleteEgressOnlyInternetGatewayRequest" : {
"c2jName" : "DeleteEgressOnlyInternetGatewayRequest",
"customization" : {
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  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
"deprecated": false,
"documentation": 
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,

"marshaller": {
  
  "action": "DeleteEgressOnlyInternetGateway",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},

"members": [ 
  
  "c2jName": "EgressOnlyInternetGatewayId",
  "c2jShape": "EgressOnlyInternetGatewayId",
  "deprecated": false,
  
  "documentation": 
"<p>The ID of the egress-only Internet gateway.</p>",
  "enumType": null,
  
  "fluentSetterDocumentation": */**<p>The ID of the egress-only Internet gateway.</p>@return Returns a reference to this 
object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withEgressOnlyInternetGatewayId",
  
  "getterDocumentation": */**<p>The ID of the egress-only Internet gateway.</p>@return The ID of the 
egress-only Internet gateway.*/",
  
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  "getterModel": { 
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    "documentation": null
  },
  
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "queryString": false,
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    "unmarshallLocationName": "EgressOnlyInternetGatewayId",
    "uri": false
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"listModel": null,
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayId",
"setterDocumentation": "/**\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.*/",
"setterMethodName": "setEgressOnlyInternetGatewayId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "egressOnlyInternetGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variable SetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "The ID of the egress-only Internet gateway.
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  "simpleType": "String",
  "variable SetterType": "String"
},
"xmlNameSpaceUri": null
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"membersAsMap": {
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    "c2jShape": "EgressOnlyInternetGatewayId",
    "deprecated": false,
    "documentation": "The ID of the egress-only Internet gateway.
",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withEgressOnlyInternetGatewayId",
    "getterDocumentation": "/**\n@param egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.\n@return The ID of the egress-only Internet gateway.*/",
    "getterMethodName": "getEgressOnlyInternetGatewayId",
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      "simple": true,
      "simpleType": "String",
      "variable SetterType": "String"
    }
  }
}
"documentation" : null,
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EgressOnlyInternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EgressOnlyInternetGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : "<p>The ID of the egress-only Internet gateway.</p>
@param
egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the egress-only Internet gateway.

@returns Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "EgressOnlyInternetGatewayId" ],
"shapeName" : "DeleteEgressOnlyInternetGatewayRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteEgressOnlyInternetGatewayRequest",
"variableName" : "deleteEgressOnlyInternetGatewayRequest",
"variableType" : "DeleteEgressOnlyInternetGatewayRequest",
"documentation" : null,
"simpleType" : "DeleteEgressOnlyInternetGatewayRequest",
"variableSetterType" : "DeleteEgressOnlyInternetGatewayRequest"
},
"wrapper" : false
},
"DeleteEgressOnlyInternetGatewayResult" : {
"c2jName" : "DeleteEgressOnlyInternetGatewayResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "ReturnCode",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
"getterMethodName" : "getReturnCode",
"getterModel" : {
"returnType" : "Boolean",
"documentation": null,
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReturnCode",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "returnCode",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReturnCode",
"setterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setReturnCode",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "returnCode",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@n
@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "returnCode",
  "variableType": "Boolean",
  "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
"ReturnCode" : {
"c2jName" : "ReturnCode",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReturnCode",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"getterMethodName" : "getReturnCode",
"getterModel" : {

"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReturnCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "returnCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReturnCode",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturnCode",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnCode",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnCode Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnCode",
"variableType" : "Boolean",
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteEgressOnlyInternetGatewayResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DeleteEgressOnlyInternetGatewayResult",
"variableName" : "deleteEgressOnlyInternetGatewayResult",
"variableType" : "DeleteEgressOnlyInternetGatewayResult",
"documentation" : null,
"simpleType" : "DeleteEgressOnlyInternetGatewayResult",
"variableSetterType" : "DeleteEgressOnlyInternetGatewayResult"
},
"wrapper" : false
},
"DeleteFlowLogsRequest" : {
"c2jName" : "DeleteFlowLogsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  
  "action" : "DeleteFlowLogs",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "FlowLogIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more flow log IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more flow log IDs.</p>
         @param flowLogIds One or more flow log IDs.
         @return Returns a reference to this object so that method calls can be chained together.*="/",
    "fluentSetterMethodName" : "withFlowLogIds",
    "getterDocumentation" : "/**<p>One or more flow log IDs.</p>
         @return One or more flow log IDs.*="/",
    "getterMethodName" : "getFlowLogIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "FlowLogId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "FlowLogId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"}
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.</>*/",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.</>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds"}
"variableType" : "java.util.List<String>",
"documentation" : "One or more flow log IDs.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"FlowLogIds" : {
"c2jName" : "FlowLogIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "One or more flow log IDs.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more flow log IDs.
\n@return
\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogIds",
"getterDocumentation" : "One or more flow log IDs.
\n@return
\nOne or more flow log IDs.*/
",
"getterMethodName" : "getFlowLogIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FlowLogId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together */",
"fluentSetterMethodName" : "withMember",
"getDocumentation" : "/**\n@return */",
"getMethod" : "getMember",
"getterModel" : {  
"returnType" : "String",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together */",
"variable" : {  
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation": "", "simpleType": "String", "variableSetterType": "String"
}, "xmlNameSpaceUri": null
}, "memberLocationName": "item", "memberType": "String", "map": false, "marshallNonAutoConstructedEmptyLists": false, "memberAdditionalMarshallingPath": null, "memberAdditionalUnmarshallingPath": null, "sendEmptyQueryString": false, "simple": true, "simpleType": "String", "templateImplType": "com.amazonaws.internal.SdkInternalList<String>", "templateType": "java.util.List<String>
}, "map": false, "mapModel": null, "name": "FlowLogIds", "setterDocumentation": "/**\n@param flowLogIds One or more flow log IDs.*\n\n@returns Returns a reference to this object so that method calls can be chained together.*/", "setterMethodName": "setFlowLogIds", "setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>", "variableName": "flowLogIds", "variableType": "java.util.List<String>", "documentation": "", "simpleType": "List<String>", "variableSetterType": "java.util.Collection<String>
}, "simple": false, "varargSetterDocumentation": "/**\n@param flowLogIds One or more flow log IDs.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/", "variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>", "variableName": "flowLogIds", "variableType": "java.util.List<String>", "documentation": "<p>One or more flow log IDs.</p>", "simpleType": "List<String>", "variableSetterType": "java.util.Collection<String>
}, "xmlNameSpaceUri": null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "FlowLogIds" ],
"shapeName" : "DeleteFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteFlowLogsRequest",
  "variableName" : "deleteFlowLogsRequest",
  "variableType" : "DeleteFlowLogsRequest",
  "documentation" : null,
  "simpleType" : "DeleteFlowLogsRequest",
  "variableSetterType" : "DeleteFlowLogsRequest"
},
"wrapper" : false
},
"DeleteFlowLogsResult" : {
  "c2jName" : "DeleteFlowLogsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DeleteFlowLogs.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Unsuccessful",
      "c2jShape" : "UnsuccessfulItemSet",
      "deprecated" : false,
      "documentation" : "<p>Information about the flow logs that could not be deleted successfully.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n * Information about the flow logs that could not be deleted successfully.\n *\n \n @param unsuccessful Information about the flow logs that could not be deleted successfully.\n \n @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withUnsuccessful",
      "getterDocumentation" : "/**\n * Information about the flow logs that could not be deleted successfully.\n *\n \n @return Information about the flow logs that could not be deleted successfully.*/",
      "getterMethodName" : "getUnsuccessful",
      "getterModel" : {
        "returnType" : "java.util.List<UnsuccessfulItem>",
        "documentation" : null
      }
    }
  ],
  "wrapper" : false
}
"unmarshalLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**
<p>Information about the flow logs that could not be deleted

"
@param unsuccessful Information about the flow logs that could not be deleted successfully.

setterMethodName": "setUnsuccessful",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>

<param unsuccessful Information about the flow logs that could not be deleted successfully.

NOTE: This method appends the values to the existing list (if any). Use { @link 
#setUnsuccessful(java.util.Collection) } or { @link 
#withUnsuccessful(java.util.Collection) } if you want to override
the existing values. */

@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "Information about the flow logs that could not be deleted successfully.

<p>Information about the flow logs that could not be deleted successfully.</p>

@returns Returns a reference to this object so that method calls can be chained together. */

Unsuccessful" : {
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemSet",
"deprecated" : false,
"documentation" : "Information about the flow logs that could not be deleted successfully.

<p>Information about the flow logs that could not be deleted successfully.</p>

enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>

@returns Returns a reference to this object so that method calls can be chained together. */

getterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.</p>

@returns Information about the flow logs that could not be deleted successfully.

getterMethodName" : "getUnsuccessful",
"getterModel" : {
"returnType" : "java.util.List<UnsuccessfulItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Unsuccessful",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "unsuccessful",
"uri": false,
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "UnsuccessfulItem",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterBlob": null,
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false,
    },
    "idempotencyToken": false,
    "list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**\nInformation about the flow logs that could not be deleted successfully.<p>
@param unsuccessful Information about the flow logs that could not be deleted successfully.*\n*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful"
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the flow logs that could not be deleted successfully.<p>

@<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setUnsuccessful(java.util.Collection)} or { @link #withUnsuccessful(java.util.Collection)} if you want to override the existing values.\n
@<p>@param unsuccessful Information about the flow logs that could not be deleted successfully.\n
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "Information about the flow logs that could not be deleted successfully.",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteFlowLogsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DeleteFlowLogsResult",
"variableName" : "deleteFlowLogsResult",
"variableType" : "DeleteFlowLogsResult",
"documentation" : null,
"simpleType" : "DeleteFlowLogsResult",
"variableSetterType" : "DeleteFlowLogsResult"
},
"wrapper" : false
},
"DeleteInternetGatewayRequest" : {
"c2jName" : "DeleteInternetGatewayRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteInternetGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DeleteInternetGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.<p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the Internet gateway.<p>
@return The ID of the Internet gateway.*/",
"getterMethodName" : "getInternetGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "internetGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**\n*pThe ID of the Internet gateway.\n@param internetGatewayId The ID of the Internet gateway.*/",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : {
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  "variableName" : "internetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableType" : "String",
  "documentation" : "The ID of the Internet gateway",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the Internet gateway",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n*pThe ID of the Internet gateway.\n@param internetGatewayId The ID of the Internet gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInternetGatewayId",
    "getterDocumentation" : "/**\n*pThe ID of the Internet gateway.\n@return The ID of the Internet gateway.*/",
    "getterMethodName" : "getInternetGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  }
}
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "marshallLocationName": "InternetGatewayId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "internetGatewayId",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InternetGatewayId",
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 */@param internetGatewayId The ID of the Internet gateway.*\n",
"setterMethodName": "setInternetGatewayId",
"setterModel": {
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  "variableName": "internetGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the Internet gateway.
 */\n @param internetGatewayId The ID of the Internet gateway.\n @return Returns a reference to this object so that method calls can be chained together.*\n",
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  "variableType": "String",
  "documentation": "\n<br>The ID of the Internet gateway.\n",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerClassFqcn" : null,
"required" : [ "InternetGatewayId" ],
"shapeName" : "DeleteInternetGatewayRequest",
"unmarshaller" : null,
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  "variableName" : "deleteInternetGatewayRequest",
  "variableType" : "DeleteInternetGatewayRequest",
  "documentation" : null,
  "simpleType" : "DeleteInternetGatewayRequest",
  "variableSetterType" : "DeleteInternetGatewayRequest"
},
"wrapper" : false
},
"DeleteInternetGatewayResult" : {
  "c2jName" : "DeleteInternetGatewayResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteInternetGatewayResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
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    "variableName" : "deleteInternetGatewayResult",
    "variableType" : "DeleteInternetGatewayResult",
    "documentation" : null,
    "simpleType" : "DeleteInternetGatewayResult",
    "variableSetterType" : "DeleteInternetGatewayResult"}
"variableSetterType" : "DeleteInternetGatewayResult"
},
"wrapper" : false
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"DeleteKeyPairRequest" : {
"c2jName" : "DeleteKeyPairRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DeleteKeyPair",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>@return The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jName" : "KeyName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
    @param keyName The name of the key pair.*/",
    "setterDocumentation" : "/**<p>The name of the key pair.</p>
    @param keyName The name of the key pair.*/",
    "setterMethodName" : "setKeyName",
    "setterModel" : {
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      "variableName" : "keyName",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
    @param keyName The name of the key pair.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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      "variableName" : "keyName",
      "variableType" : "String",
      "documentation" : "<p>The name of the key pair.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}

"xmlNameSpaceUri" : null
}
key pair.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>@return The name of the key pair.</p>/",
"getterMethodName" : "getKeyPair",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "KeyPair",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyPair",
"setterDocumentation" : "/**<p>The name of the key pair.</p>@param keyPair The name of the key pair.</p>/",
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"setterModel" : {
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  "variableName" : "keyPair",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>@param keyPair The name of the key pair.</p>@return Returns a reference to this object so that method calls can be chained together.</p>/",
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  "variableType" : "String",
  "documentation" : "The name of the key pair."
"simpleType" : "String",
  "variableSetterType" : "String"
},
  "xmlNameSpaceUri" : null
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  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : [ "KeyName" ],
  "shapeName" : "DeleteKeyPairRequest",
  "unmarshaller" : null,
  "variable" : {
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    "variableName" : "deleteKeyPairRequest",
    "variableType" : "DeleteKeyPairRequest",
    "documentation" : null,
    "simpleType" : "DeleteKeyPairRequest",
    "variableSetterType" : "DeleteKeyPairRequest"
  },
  "wrapper" : false
},
  "DeleteKeyPairResult" : {
    "c2jName" : "DeleteKeyPairResult",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
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    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "DeleteKeyPairResult",
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
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"variable" : {
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  "variableName" : "deleteKeyPairResult",
  "variableType" : "DeleteKeyPairResult",
  "documentation" : null,
  "simpleType" : "DeleteKeyPairResult",
  "variableSetterType" : "DeleteKeyPairResult"
},
"wrapper" : false
},
"DeleteNatGatewayRequest" : {
  "c2jName" : "DeleteNatGatewayRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNatGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "NatGatewayId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the NAT gateway.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "<p>The ID of the NAT gateway.</p>
      \n      @return Returns a reference to this object so that method calls can be chained together.</p>",
      "fluentSetterMethodName" : "withNatGatewayId",
      "getterDocumentation" : "<p>The ID of the NAT gateway.</p>
      \n      @return The ID of the NAT gateway.</p>",
      "getterMethodName" : "getNatGatewayId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      }
    }
  ]
}
"http": {  "additionalMarshallingPath": null,  "additionalUnmarshallingPath": null,  "flattened": false,  "greedy": false,  "header": false,  "isPayload": false,  "isStreaming": false,  "location": null,  "marshallLocationName": "NatGatewayId",  "queryString": false,  "statusCode": false,  "unmarshallLocationName": "NatGatewayId",  "uri": false  },  "idempotencyToken": false,  "list": false,  "listModel": null,  "map": false,  "mapModel": null,  "name": "NatGatewayId",  "setterDocumentation": "/**<p>The ID of the NAT gateway.\n@param natGatewayId The ID of the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",  "setterMethodName": "setNatGatewayId",  "setterModel": {  "variableDeclarationType": "String",  "variableName": "natGatewayId",  "variableType": "String",  "documentation": "",  "simpleType": "String",  "variableSetterType": "String"  },  "simple": true,  "varargSetterDocumentation": "/**<p>The ID of the NAT gateway.\n@param natGatewayId The ID of the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",  "variable": {  "variableDeclarationType": "String",  "variableName": "natGatewayId",  "variableType": "String",  "documentation": "<p>The ID of the NAT gateway.</p>",  "simpleType": "String",  "variableSetterType": "String"  },  "xmlNameSpaceUri": null  },  "membersAsMap": {  "NatGatewayId": {
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayId",
"getterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@return The ID of the NAT gateway.*/",
"getterMethodName" : "getNatGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NatGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of
NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
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  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.*/"
the NAT gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the NAT gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NatGatewayId" ],
"shapeName" : "DeleteNatGatewayRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteNatGatewayRequest",
"variableName" : "deleteNatGatewayRequest",
"variableType" : "DeleteNatGatewayRequest",
"documentation" : null,
"simpleType" : "DeleteNatGatewayRequest",
"variableSetterType" : "DeleteNatGatewayRequest"
},
"wrapper" : false
},
"DeleteNatGatewayResult" : {
"c2jName" : "DeleteNatGatewayResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DeleteNatGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,

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"variableName" : "natGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of the NAT gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"NatGatewayId" : {
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayId",
"getterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@return The ID of the NAT gateway.*/",
"getMethodName" : "getNatGatewayId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNatGatewayId",
"deprecat
"setterModel" : {
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  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
@param natGatewayId The ID of the NAT gateway
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the NAT gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteNatGatewayResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteNatGatewayResult",
  "variableName" : "deleteNatGatewayResult",
  "variableType" : "DeleteNatGatewayResult",
  "documentation" : null,
  "simpleType" : "DeleteNatGatewayResult",
  "variableSetterType" : "DeleteNatGatewayResult"
},
"wrapper" : false
},
"DeleteNetworkAclEntryRequest" : {
  "c2jName" : "DeleteNetworkAclEntryRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteNetworkAclEntry",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkAclId",
  "getterDocumentation" : "/**<p>The ID of the network ACL.</p>
@return The ID of the network ACL.*/",
  "getterMethodName" : "getNetworkAclId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkAclId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkAclId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network ACL.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number of the entry to delete.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "/**<p>The rule number of the entry to delete.</p>
@return The rule number of the entry to delete.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
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"setterMethodName" : "setRuleNumber",
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  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe rule number of the entry to delete.\n@param ruleNumber The rule number of the entry to delete.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "variableName" : "ruleNumber",
  "variableType" : "Integer",
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
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{"c2jName" : "Egress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the rule is an egress rule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*pIndicates whether the rule is an egress rule.*\n*/\n\n@\nparam egress
Indicates whether the rule is an egress rule.

@return Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withEgress",
"getterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>*/
@returns Indicates whether the rule is an egress rule.*"/",
"getterMethodName" : "getEgress",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egress",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Egress",
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@param egress Indicates whether the rule is an egress rule.
@returns Indicates whether the rule is an egress rule.*"/",
"setterMethodName" : "setEgress",
"setterModel" : {
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>*/
@param egress Indicates whether the rule is an egress rule.
@returns Indicates whether the rule is an egress rule.*"/",
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"variableType": "Boolean",
"documentation": "<p>Indicates whether the rule is an egress rule.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"membersAsMap": {
"Egress": {
"c2jName": "Egress",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the rule is an egress rule.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the rule is an egress rule.</p>
*param egress
Indicates whether the rule is an egress rule.*/
@getEgress
Indicates whether the rule is an egress rule.*\n*/
getterDocumentation": "/**<p>Indicates whether the rule is an egress rule.</p>
@getEgress
Indicates whether the rule is an egress rule.*/
getterMethod": {
"returnType": "Boolean",
"documentation": null
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"http": {
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "egress",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Egress",
"setterDocumentation": "/**<p>Indicates whether the rule is an egress rule.</p>
*param egress
Indicates whether the rule is an egress rule.*/
@getEgress
Indicates whether the rule is an egress rule.*/
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"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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whether the rule is an egress rule.*/

setterMethodName" : "setEgress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule.</p>*/

Indicates whether the rule is an egress rule.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "egress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the rule is an egress rule.</p>
  "@param egress Indicates whether the rule is an egress rule.
  "return Returns a reference to this object so that method calls can be chained together.*/

  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "egress",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the rule is an egress rule.</p>
    "return Returns a reference to this object so that method calls can be chained together.*/

  "NetworkAclId" : {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>
    "return Returns a reference to this object so that method calls can be chained together.*/

"NetworkAclId" : {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>
  "return Returns a reference to this object so that method calls can be chained together.*/

  "NetworkAclId" : {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>
    "return Returns a reference to this object so that method calls can be chained together.*/

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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>
    "return Returns a reference to this object so that method calls can be chained together.*/

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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network ACL.</p>
    "return Returns a reference to this object so that method calls can be chained together.*/

  "NetworkAclId" : {
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    "c2jShape" : "String",
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of the
network ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>
@param networkAclId The ID of
the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "The ID of the network ACL.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"RuleNumber" : {
  "c2jName" : "RuleNumber",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The rule number of the entry to delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"}
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"getterModel": {
 "returnType": "Integer",
 "documentation": null
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 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "RuleNumber",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "ruleNumber",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RuleNumber",
"setterDocumentation": "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.*/",
"setterMethodName": "setRuleNumber",
"setterModel": {
 "variableDeclarationType": "Integer",
 "variableName": "ruleNumber",
 "variableType": "Integer",
 "documentation": "",
 "simpleType": "Integer",
 "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The rule number of the entry to delete.</p>
@param ruleNumber The rule number of the entry to delete.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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 "variableName": "ruleNumber",
 "variableType": "Integer",
 "documentation": "<p>The rule number of the entry to delete.</p>",
 "simpleType": "Integer",
 "variableSetterType": "Integer"
"variableName" : "deleteNetworkAclEntryResult",
"variableType" : "DeleteNetworkAclEntryResult",
"documentation" : null,
"simpleType" : "DeleteNetworkAclEntryResult",
"variableSetterType" : "DeleteNetworkAclEntryResult"
},
"wrapper" : false
},
"DeleteNetworkAclRequest" : {
"c2jName" : "DeleteNetworkAclRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkAcl.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteNetworkAcl",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNetworkAclId",
"getterDocumentation" : "/**<p>The ID of the network ACL.</p>@return The ID of the network ACL.</p>*/",
"getterMethodName" : "getNetworkAclId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**\n@param networkAclId The ID of the network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param networkAclId The ID of the network ACL\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network ACL.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "NetworkAclId" : {
    "c2jName" : "NetworkAclId",
    "c2jShape" : "String",
    "c2jType" : "NetworkAclId",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"deprecated" : false,
"documentation" : "<p>The ID of the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkAclId",
"getterDocumentation" : "/**<p>The ID of the network ACL.</p>@return The ID of the network ACL.*/",
"getterMethodName" : "getNetworkAclId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkAclId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkAclId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the network ACL.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
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  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "The ID of the network ACL.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkAclId" ],
"shapeName" : "DeleteNetworkAclRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteNetworkAclRequest",
  "variableName" : "deleteNetworkAclRequest",
  "variableType" : "DeleteNetworkAclRequest",
  "documentation" : null,
  "simpleType" : "DeleteNetworkAclRequest",
  "variableSetterType" : "DeleteNetworkAclRequest"
},
"wrapper" : false
},
"DeleteNetworkAclResult" : {
  "c2jName" : "DeleteNetworkAclResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteNetworkAclResult",}
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteNetworkAclResult",
  "variableName" : "deleteNetworkAclResult",
  "variableType" : "DeleteNetworkAclResult",
  "documentation" : null,
  "simpleType" : "DeleteNetworkAclResult",
  "variableSetterType" : "DeleteNetworkAclResult"
},
"wrapper" : false
},
"DeleteNetworkInterfaceRequest" : {
  "c2jName" : "DeleteNetworkInterfaceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNetworkInterface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteNetworkInterface",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "NetworkInterfaceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the network interface.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns A reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withNetworkInterfaceId",
      "documentation" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns A reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withNetworkInterfaceId",
    },
    ...}
"getterDocumentation" : "/**<p>The ID of the network interface.</p>@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
] } ],
"membersAsMap": {
"NetworkInterfaceId": {
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "\<p>The ID of the network interface.\</p>",
"enumType": null,
"fluentSetterDocumentation": "\/*\<p>The ID of the network interface.\</p>@param networkInterfaceId The ID of the network interface.\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "\/*\<p>The ID of the network interface.\</p>@return The ID of the network interface.*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkInterfaceId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "\/*\<p>The ID of the network interface.\</p>@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {

"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ID of the network interface.
 */

@param networkInterfaceId
The ID of the network interface.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId" ],
"shapeName" : "DeleteNetworkInterfaceRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteNetworkInterfaceRequest",
"variableName" : "deleteNetworkInterfaceRequest",
"variableType" : "DeleteNetworkInterfaceRequest",
"documentation" : null,
"simpleType" : "DeleteNetworkInterfaceRequest",
"variableSetterType" : "DeleteNetworkInterfaceRequest"
},
"wrapper" : false
},
"DeleteNetworkInterfaceResult" : {
"c2jName" : "DeleteNetworkInterfaceResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteNetworkInterfaceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteNetworkInterfaceResult",
  "variableName" : "deleteNetworkInterfaceResult",
  "variableType" : "DeleteNetworkInterfaceResult",
  "documentation" : null,
  "simpleType" : "DeleteNetworkInterfaceResult",
  "variableSetterType" : "DeleteNetworkInterfaceResult"
},
"wrapper" : false
},
"DeletePlacementGroupRequest" : {
  "c2jName" : "DeletePlacementGroupRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeletePlacementGroup",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST"}
"xmlNameSpaceUri" : null,
  },
  "members" : [ {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p> ".
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group.</p>
@return The name of the placement group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : { 

"returnType" : "String",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : { 

"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>The name of the placement group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the placement group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**\n<p>The name of the placement group.</p>
@return The name of the placement group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false
},


"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of
the placement group.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "groupName",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The
name of the placement group.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "groupName",
   "variableType" : "String",
   "documentation" : "<p>The name of the placement group.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupName" ],
"shapeName" : "DeletePlacementGroupRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "DeletePlacementGroupRequest",
   "variableName" : "deletePlacementGroupRequest",
   "variableType" : "DeletePlacementGroupRequest",
   "documentation" : null,
   "simpleType" : "DeletePlacementGroupRequest",
   "variableSetterType" : "DeletePlacementGroupRequest"
},
"wrapper" : false
",
"DeletePlacementGroupResult" : 

"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteRoute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@returns {string} The ID of the route table.
*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>
@returns {string} The ID of the route table.
*/",
  "getterMethodname" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "RouteTableId",
}
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "DestinationCidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withDestinationCidrBlock",
  "getterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@return The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
*/",
  "getterMethodName" : "getDestinationCidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalmarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatte" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>*/
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly. */",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>\n@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly."/
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DestinationIpv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p><p>@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"fluentSetterMethodName" : "withDestinationIpv6CidrBlock",

"getterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p><p>@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>*/",

"getterMethodName" : "getDestinationIpv6CidrBlock",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DestinationIpv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "destinationIpv6CidrBlock",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "DestinationIpv6CidrBlock",

"setterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p><p>@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"setterMethodName" : "setDestinationIpv6CidrBlock",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationIpv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.<br/>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "destinationIpv6CidrBlock",
  "variableType": "String",
  "documentation": "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
,"membersAsMap": {
  "DestinationCidrBlock": {
    "c2jName": "DestinationCidrBlock",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
      @param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.<br/>
      @return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName": "withDestinationCidrBlock",
    "getterDocumentation": "/**<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
      @return The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.<br/>"",
    "getterMethodName": "getDestinationCidrBlock",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "DestinationCidrBlock",
      "queryString": false,
"simple": true,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**
*pThe IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
*pThe IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@param destinationCidrBlock The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"DestinationIpv6CidrBlock" : {
  "c2jName" : "DestinationIpv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
*pThe IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*\*/
"
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
    "getterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>@return The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.*/",
    "getterMethodName" : "getDestinationIpv6CidrBlock",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "DestinationIpv6CidrBlock",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "destinationIpv6CidrBlock",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "DestinationIpv6CidrBlock",
    "setterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setDestinationIpv6CidrBlock",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "destinationIpv6CidrBlock",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "vargSetterDocumentation" : "/**<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>
@param destinationIpv6CidrBlock The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.
@return Returns a reference to this object so that method calls can be chained together.*/";
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "enumType" : null,
  "fluentSetterDocumentation" : "/*\*<p>The ID of the route table.\n@para...on to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodname" : "withRouteTableId",
  "getterDocumentation" : "/*\*<p>The ID of the route table.\n@return The ID of the route table.*/",
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    "documentation" : null
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    "statusCode" : false,
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\n**\n\nroute table.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "String",
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"xmlNameSpaceUri" : null
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"variableName" : "deleteRouteRequest",
"variableType" : "DeleteRouteRequest",
"documentation" : null,
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"variableSetterType" : "DeleteRouteRequest"
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"customization" : {
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
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"deprecated" : false,
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   "required" : null,
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"enumType" : null,
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route table.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
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route table.\n@return The ID of the route table.*/",
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"uri" : false
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"skipGeneratingUnmarshaller" : false
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"required" : null,
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    "variableType" : "DeleteRouteTableResult",
    "documentation" : null,
    "simpleType" : "DeleteRouteTableResult",
    "variableSetterType" : "DeleteRouteTableResult"
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"wrapper" : false
},
"DeleteSecurityGroupRequest" : {
    "c2jName" : "DeleteSecurityGroupRequest",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "documentation" : "<p>Contains the parameters for DeleteSecurityGroup.</p>",
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    "errorCode" : null,
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    "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupName",
    "getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>@return [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID."",
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    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
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      "statusCode" : false,
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      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.*/",
"setterMethodName" : "setGroupName",
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  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
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@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/*<p>The ID of the security group. Required for a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a nondefault VPC.
@return The ID of the security group. Required for a nondefault VPC.*/",
"getterMethodName" : "getGroupId",
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  "documentation" : null
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"uri" : false
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"list" : false,
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>
@param
groupId The ID of the security group. Required for a nondefault VPC.</param>*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault
VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the security group. Required for a nondefault VPC.\n"simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the security group. Required for a nondefault VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault 
VPC.</p>@param groupId The ID of the security group. Required for a nondefault VPC.@return Returns a 
reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The ID of the security group. Required for a nondefault VPC.</p>@return 
The ID of the security group. Required for a nondefault VPC.*/",
"getterMethodName" : "getGroupId",
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  "greedy" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupId",
  "uri" : false
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  "simpleType": "String",
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  "documentation": "<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>\n@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withGroupName",
  "getterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>
@return [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.*/",
  "getterMethodName": "getGroupName",
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    "documentation": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "GroupName",
    "uri": false
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"idempotencyToken" : false,
"list" : false,
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"map" : false,
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"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID. */",
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  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.
@param groupName [EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.</p>
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : null,
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  "variableName" : "deleteSecurityGroupRequest",
  "variableType" : "DeleteSecurityGroupRequest",
  "documentation" : "null",
  "simpleType" : "DeleteSecurityGroupRequest",
  "variableSetterType" : "DeleteSecurityGroupRequest"
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"documentation": "\<p\>Contains the parameters for DeleteSnapshot.</p>\", 
"enums": null, 
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"hasPayloadMember": false, 
"hasStatusCodeMember": false, 
"hasStreamingMember": false, 
"marshaller": { 
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  "locationName": null, 
  "requestUri": "/\", 
  "target": null, 
  "verb": "POST", 
  "xmlNameSpaceUri": null 
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  "c2jShape": "String", 
  "deprecated": false, 
  "documentation": "\<p\>The ID of the EBS snapshot.</p>\", 
  "enumType": null, 
  "fluentSetterDocumentation": "/\**\<p\>The ID of the EBS snapshot.</p>\n\@param snapshotId The ID of the EBS snapshot.\/\*/\", 
  "fluentSetterMethodName": "withSnapshotId", 
  "getterDocumentation": "/\**\<p\>The ID of the EBS snapshot.</p>\n\@return Returns a reference to this object so that method calls can be chained together.\/\*/\", 
  "getterMethodName": "getSnapshotId", 
  "getterModel": { 
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    "documentation": null 
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    "greedy": false, 
    "header": false, 
    "isPayload": false, 
    "isStreaming": false, 
    "location": null, 
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    "queryString": false, 
    "statusCode": false, 
    "unmarshallLocationName": "SnapshotId", 
    "uri": false 
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  "idempotencyToken": false, 
  "list": false, 
  "listModel": null,
"map" : false,
"mapModel" : null,
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@param snapshotId The ID of the EBS snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSnapshotId",
    "getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@return The ID of the EBS snapshot.*/",
    "getterMethodName" : "getSnapshotId",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"setterDocumentation": "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.*/

"setterMethodName": "setSnapshotId",
"setterModel": {
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The ID of the EBS snapshot.*/
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "SnapshotId" ],
"shapeName": "DeleteSnapshotRequest",
"unmarshallable": null,
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"variableName": "deleteSnapshotRequest",
"variableType": "DeleteSnapshotRequest",
"documentation": null,
"simpleType": "DeleteSnapshotRequest",
"variableSetterType": "DeleteSnapshotRequest"
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"wrapper": false
},
"DeleteSnapshotResult": {
"c2jName": "DeleteSnapshotResult",
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DeleteSnapshotResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DeleteSnapshotResult",
  "variableName": "deleteSnapshotResult",
  "variableType": "DeleteSnapshotResult",
  "documentation": null,
  "simpleType": "DeleteSnapshotResult",
  "variableSetterType": "DeleteSnapshotResult"
},
"wrapper": false
},
"DeleteSpotDatafeedSubscriptionRequest": {
"c2jName": "DeleteSpotDatafeedSubscriptionRequest",
"customization": {
"variableName": "deleteSpotDatafeedSubscriptionRequest",
"variableType": "DeleteSpotDatafeedSubscriptionRequest",
"documentation": null,
"simpleType": "DeleteSpotDatafeedSubscriptionRequest",
"variableSetterType": "DeleteSpotDatafeedSubscriptionRequest"
},
"wrapper": false
}
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p> ",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "DeleteSpotDatafeedSubscription",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteSpotDatafeedSubscriptionRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DeleteSpotDatafeedSubscriptionRequest",
    "variableName" : "deleteSpotDatafeedSubscriptionRequest",
    "variableType" : "DeleteSpotDatafeedSubscriptionRequest",
    "documentation" : null,
    "simpleType" : "DeleteSpotDatafeedSubscriptionRequest",
    "variableSetterType" : "DeleteSpotDatafeedSubscriptionRequest"
},
"wrapper" : false
},
"DeleteSpotDatafeedSubscriptionResult" : {
    "c2jName" : "DeleteSpotDatafeedSubscriptionResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteSpotDatafeedSubscriptionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null,
},
"variable" : {
  "variableDeclarationType" : "DeleteSpotDatafeedSubscriptionResult",
  "variableName" : "deleteSpotDatafeedSubscriptionResult",
  "variableType" : "DeleteSpotDatafeedSubscriptionResult",
  "documentation" : null,
  "simpleType" : "DeleteSpotDatafeedSubscriptionResult",
  "variableSetterType" : "DeleteSpotDatafeedSubscriptionResult"
},
"wrapper" : false
},
"DeleteSubnetRequest" : {
  "c2jName" : "DeleteSubnetRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteSubnet.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DeleteSubnet",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
  }
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@Retention parameter subnetId The ID of the subnet.
@Return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "SubnetId" : {
    "c2jName" : "SubnetId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@Retention param subnetId The ID of the subnet.
@Return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSubnetId",
    "getterDocumentation" : "/**<p>The ID of the subnet.</p>
@Retention return The ID of the subnet.*/",
    "getterMethodName" : "getSubnetId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SubnetId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SubnetId",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  }
};
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n@\n@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "subnetId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@param subnetId The ID of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "subnetId",
 "variableType" : "String",
 "documentation" : "The ID of the subnet.",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SubnetId" ],
"shapeName" : "DeleteSubnetRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "DeleteSubnetRequest",
 "variableName" : "deleteSubnetRequest",
 "variableType" : "DeleteSubnetRequest",
 "documentation" : null,
 "simpleType" : "DeleteSubnetRequest",
 "variableSetterType" : "DeleteSubnetRequest"
 },
"wrapper" : false
},
"DeleteSubnetResult" : {
 "c2jName" : "DeleteSubnetResult",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteSubnetResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
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    "variableName" : "deleteSubnetResult",
    "variableType" : "DeleteSubnetResult",
    "documentation" : null,
    "simpleType" : "DeleteSubnetResult",
    "variableSetterType" : "DeleteSubnetResult"
},
"wrapper" : false
},
"DeleteTagsRequest" : {
    "c2jName" : "DeleteTagsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteTags.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {

"action" : "DeleteTags",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
],
"members" : [ {
  "c2jName" : "Resources",
  "c2jShape" : "ResourceIdList",
  "deprecated" : false,
  "documentation" : "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.\n\n  \n  </p>\n  "enumType" : null,
  "fluentSetterDocumentation" : /\*\p>\The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.\n\n  @param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.\n\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResources",
  "getterDocumentation" : /\*\p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.\n\n  @return The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.*/",
  "getterMethodName" : "getResources",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceId",
    "queryString" : false,
    "statusCodes" : false,
    "unmarshallLocationName" : "resourceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
...
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/*
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/*
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
}
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/*
@param member *
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}
},
"simple": true,
"varargSetterDocumentation": "/*
@param member
@return Returns a reference to this object so that method calls can be chained together.*/,"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Resources",
"setterDocumentation": "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>*/
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setResources",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resources",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>*/
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "resources",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
}
"documentation" : "<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>
@param tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>
@return One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tag",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tag",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@returns */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "variableType" : "Tag",
      "documentation" : "",
      "simpleType" : "Tag",
      "variableSetterType" : "Tag"
    }
  }
}

### Tags

One or more tags to delete. If you omit the `<code>value</code>` parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.

**NOTE:** This method appends the values to the existing list (if any). Use `{@link #setTags(java.util.Collection)}` or `{@link #withTags(java.util.Collection)}` if...
you want to override the existing values.</p>
@<param tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string."
},
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
    "Resources" : {
        "c2jName" : "Resources",
        "c2jShape" : "ResourceIdList",
        "deprecated" : false,
        "documentation" : "The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.

@return The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.

@<param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "/** The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID. 

@return The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID. */

"getterDocumentation" : "/** The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID. 

@return The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID. */

"getterMethodDocumentation" : "getResources",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceId",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "resourceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * param member 
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "Resources",
"setterDocumentation" : "/**\n<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>
@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.*/",
"setterMethodName" : "setResources",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "resources",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p><p>NOTE:</p><p>This method appends the values to the existing list (if any). Use { @link #setResources(java.util.Collection)} or { @link #withResources(java.util.Collection)} if you want to override the existing values.</p><p>@param resources The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "resources",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the key only if its value is an empty string.</p><p>@param tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p><p>@return One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
    },
    "http" : {
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        "flattened" : false,
        "greedy" : false,
        "header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tag",
"uri": false
},

"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Tag",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Tag",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "Tag",
 "variableName" : "member",
 "variableType" : "Tag",
 "documentation" : "",
 "simpleType" : "Tag",
 "variableSetterType" : "Tag"
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 "simple" : false,
 "varargSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together. */",
 "variable" : {
 "variableDeclarationType" : "Tag",
 "variableName" : "member",
 "variableType" : "Tag",
 "documentation" : "",
 "simpleType" : "Tag",
 "variableSetterType" : "Tag"
 },
 "xmlNameSpaceUri" : null
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 "memberLocationName" : "item",
 "memberType" : "Tag",
 "map" : false,
 "marshallNonAutoConstructedEmptyLists" : false,
 "memberAdditionalMarshallingPath" : null,
 "memberAdditionalUnmarshallingPath" : null,
 "sendEmptyQueryString" : false,
 "simple" : false,
 "simpleType" : "Tag",
 "templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
 "templateType" : "java.util.List<Tag>"
 },
 "map" : false,
 "mapModel" : null,
 "name" : "Tags",
 "setterDocumentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p><p>\n@tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string. */
 */",
 "setterMethodName" : "setTags",
 "setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
}
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"simple" : false,
"vararg Setter Documentation" : "/**<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p><p>NOTE: This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
@param tags One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>",
  "xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Resources" ],
"shapeName" : "DeleteTagsRequest",
"unmarshaller" : null,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"deprecated": false,
"documentation": null,
"enums": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DeleteTagsResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "DeleteTagsResult",
  "variableName": "deleteTagsResult",
  "variableType": "DeleteTagsResult",
  "documentation": null,
  "simpleType": "DeleteTagsResult",
  "variableSetterType": "DeleteTagsResult"
},
"wrapper": false,
"DeleteVolumeRequest": {
  "c2jName": "DeleteVolumeRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DeleteVolume.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
"marshaller": {  
"action": "DeleteVolume",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {  
"c2jName": "VolumeId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the volume.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the
volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolumeId",
"getterDocumentation": "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getterMethodName": "getVolumeId",
"getterModel": {  
"returnType": "String",
"documentation": null
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"http": {  
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VolumeId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VolumeId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName": "setVolumeId",
"setterModel": {  
"variableDeclarationType": "String"}
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "<p>The ID of the volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
},
"membersAsMap" : {
"VolumeId" : {
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getMethodName" : "getVolumeId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : ",",
"simpleType" : "String",
"variableSetterType" : "String"
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "DeleteVolumeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVolumeRequest",
  "variableName" : "deleteVolumeRequest",
  "variableType" : "DeleteVolumeRequest",
  "documentation" : null,
  "simpleType" : "DeleteVolumeRequest",
  "variableSetterType" : "DeleteVolumeRequest"
},
"wrapper" : false
},
"DeleteVolumeResult" : {
"c2jName" : "DeleteVolumeResult",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVolumeResult",
"unmarshaller" : {
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    "resultWrapper" : null
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"variable" : {
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    "variableName" : "deleteVolumeResult",
    "variableType" : "DeleteVolumeResult",
    "documentation" : null,
    "simpleType" : "DeleteVolumeResult",
    "variableSetterType" : "DeleteVolumeResult"
},
"wrapper" : false
},
"DeleteVpcEndpointsRequest" : {
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    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteVpcEndpoints.</p>",
    "enums" : null,
    "errorCode" : null,
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",  

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
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"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.</p>*/",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "vpcEndpointIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcEndpointIds(java.util.Collection)} or {@link #withVpcEndpointIds(java.util.Collection)} if you want to override the existing values.</p>*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "vpcEndpointIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more endpoint IDs.</p>",
    "simpleType" : "List<String>"
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"VpcEndpointIds": {
"c2jName": "VpcEndpointIds",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation": "<p>One or more endpoint IDs.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcEndpointIds",
"getterDocumentation": "/**<p>One or more endpoint IDs.</p>
@return One or more endpoint IDs.*/",
"getterMethodName": "getVpcEndpointIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcEndpointId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VpcEndpointId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Member",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"map" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.*/",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>
\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcEndpointIds(java.util.Collection)} or {@link #withVpcEndpointIds(java.util.Collection)} if you want to override the existing values.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcEndpointIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more endpoint IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcEndpointIds" ],
"shapeName" : "DeleteVpcEndpointsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVpcEndpointsRequest",
  "variableName" : "deleteVpcEndpointsRequest",
  "variableType" : "DeleteVpcEndpointsRequest",
  "documentation" : null,
  "simpleType" : "DeleteVpcEndpointsRequest",
  "variableSetterType" : "DeleteVpcEndpointsRequest"
},
"wrapper" : false
},
"DeleteVpcEndpointsResult" : {
  "c2jName" : "DeleteVpcEndpointsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DeleteVpcEndpoints.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Unsuccessful",
    "c2jShape" : "UnsuccessfulItemSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the endpoints that were not successfully deleted.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the endpoints that were not successfully deleted.</p>@param unsuccessful Information about the endpoints that were not successfully deleted.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withUnsuccessful",
    "getterDocumentation" : "/**<p>Information about the endpoints that were not successfully deleted.</p>\n@return Information about the endpoints that were not successfully deleted.*/",
    "getterMethodName" : "getUnsuccessful",
    "getterModel" : {
      "returnType" : "java.util.List<UnsuccessfulItem>",
      "documentation" : null
    },
    "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Unsuccessful",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "UnsuccessfulItem",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
@return *
*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "UnsuccessfulItem",
            "documentation" : null
        }
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
"setterMethodName" : "setMember",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@throws Unsuccessful Information about the endpoints that were not successfully deleted. */
@throws Unsuccessful Information about the endpoints that were not successfully deleted.*/",
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "member",
  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"},
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**<p>Information about the endpoints that were not successfully deleted.</p>
@throws Unsuccessful Information about the endpoints that were not successfully deleted.*/
@throws Unsuccessful Information about the endpoints that were not successfully deleted.*/",
"setterMethodName" : "setUnsuccessful"
mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "UnsuccessfulItem",
  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "map": false,
  "marshallNonAutoConstructedEmptyLists": false,
  "memberAdditionalMarshallingPath": null,
  "memberAdditionalUnmarshallingPath": null,
  "sendEmptyQueryString": false,
  "simple": false,
  "simpleType": "UnsuccessfulItem",
  "templateImplType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "templateType": "java.util.List<UnsuccessfulItem>"
},
"map": false,
"mapModel": null,
"name": "Unsuccessful",
"setterDocumentation": "/**
<p>Information about the endpoints that were not successfully deleted.</p>
@param unsuccessful Information about the endpoints that were not successfully deleted.*/",
"setterMethodName": "setUnsuccessful",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName": "unsuccessful",
  "variableType": "java.util.List<UnsuccessfulItem>",
  "documentation": ""
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the endpoints that were not successfully deleted.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setUnsuccessful(java.util.Collection)] or [@link #withUnsuccessful(java.util.Collection)] if you want to override the existing values. </p>
@param unsuccessful Information about the endpoints that were not successfully deleted."
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"variableName" : "unsuccessful",
"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "Information about the endpoints that were not successfully deleted.",

"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>
",

"xmlNameSpaceUri" : null
",

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DeleteVpcEndpointsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},

"variable" : {
"variableDeclarationType" : "DeleteVpcEndpointsResult",
"variableName" : "deleteVpcEndpointsResult",
"variableType" : "DeleteVpcEndpointsResult",
"documentation" : null,

"simpleType" : "DeleteVpcEndpointsResult",
"variableSetterType" : "DeleteVpcEndpointsResult"
},

"wrapper" : false
",

"DeleteVpcPeeringConnectionRequest" : {
"c2jName" : "DeleteVpcPeeringConnectionRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>"
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@param\n\n$vpcPeeringConnectionId$ The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@param\n\n$vpcPeeringConnectionId$ The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@param\n\n$vpcPeeringConnectionId$ The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@return The ID of the VPC peering connection.*/",
    "getterMethodName" : "getVpcPeeringConnectionId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "listModel" : null,
      "map" : false,
      "mapModel" : null,
      "name" : "VpcPeeringConnectionId",
      "setterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@param\n\n$vpcPeeringConnectionId$ The ID of the VPC peering connection.*/",
      "setterMethodName" : "setVpcPeeringConnectionId",
      "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcPeeringConnectionId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
      },
      "simple" : true,
      "varargSetterDocumentation" : "/**\n@template\n\n<p>The ID of the VPC peering connection.</p>\n@param\n\n$vpcPeeringConnectionId$ The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcPeeringConnectionId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the VPC peering connection.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
      },
      "xmlNameSpaceUri" : null
    }
  }
}
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.</param*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"required" : [ "VpcPeeringConnectionId" ],
"shapeName" : "DeleteVpcPeeringConnectionRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteVpcPeeringConnectionRequest",
  "variableName" : "deleteVpcPeeringConnectionRequest",
  "variableType" : "DeleteVpcPeeringConnectionRequest",
  "documentation" : null,
  "simpleType" : "DeleteVpcPeeringConnectionRequest",
  "variableSetterType" : "DeleteVpcPeeringConnectionRequest"
},
"wrapper" : false
},
"DeleteVpcPeeringConnectionResult" : {
  "c2jName" : "DeleteVpcPeeringConnectionResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DeleteVpcPeeringConnection.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Return",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
    @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
    @return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName" : "withReturn",
    "getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
    @return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
    @param getFunctionName Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
    "getterMethod" : "getReturn",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "\"<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
"membersAsMap" : {

"Return" : {
    "c2jName" : "Return",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/
    "getterMethodName" : "getReturn",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Return",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "return",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Return",
    "setterDocumentation" : "/*@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/
    "setterMethodName" : "setReturn",
    "setterModel" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "returnValue",
        "variableType" : "Boolean",
        "documentation" : "",
}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVpcPeeringConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteVpcPeeringConnectionResult",
  "variableName" : "deleteVpcPeeringConnectionResult",
  "variableType" : "DeleteVpcPeeringConnectionResult",
  "documentation" : null,
  "simpleType" : "DeleteVpcPeeringConnectionResult",
  "variableSetterType" : "DeleteVpcPeeringConnectionResult"
},
"wrapper" : false
},
"DeleteVpcRequest" : {
  "c2jName" : "DeleteVpcRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpc.</p>",
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteVpc",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
*param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
*return The ID of the VPC.*",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
  "VpcId": {
    "c2jName": "VpcId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the VPC.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcId",
    "getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
    "getterMethodName": "getVpcId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
"variableSetterType" : "DeleteVpcRequest",
},
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"DeleteVpcResult" : {
"c2jName" : "DeleteVpcResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteVpcResult",
"unmarshaller" : {
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"variableName" : "deleteVpcResult",
"variableType" : "DeleteVpcResult",
"documentation" : null,
"simpleType" : "DeleteVpcResult",
"variableSetterType" : "DeleteVpcResult"
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"wrapper" : false
},
"DeleteVpnConnectionRequest" : {
"c2jName" : "DeleteVpnConnectionRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
**DeleteVpnConnection**

**Parameters**

- **VpnConnectionId**
  - **Type**: String
  - **Description**: The ID of the VPN connection.

**Documentation**

- **Action**: DeleteVpnConnection
- **Location**: /VpnConnections/{VpnConnectionId}
- **Verb**: POST
- **Namespace**:"

**Marshaller**

- **Action**: DeleteVpnConnection
- **Location Name**: VpnConnectionId
- **Request URI**: /VpnConnections/{VpnConnectionId}
- **Target**: null
- **Verb**: POST
- **XML NameSpace URI**: null

**Members**

- **c2jName**: VpnConnectionId
- **c2jShape**: String
- **documentation**: The ID of the VPN connection.
- **enumType**: null
- **fluentSetterDocumentation**: The ID of the VPN connection.
- **getterDocumentation**: The ID of the VPN connection.
- **getterMethodName**: getVpnConnectionId
- **getterModel**: { returnType: String documentation: null }
- **http**: { addionalMarshallingPath: null additionalUnmarshallingPath: null flattened: false greedy: false header: false isPayload: false isStreaming: false location: nullmarshallLocationName: VpnConnectionId querystring: false statusCode: false unmarshallLocationName: VpnConnectionId uri: false }
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnConnectionId",
"setterDocumentation" : "/*\<p>The ID of the VPN connection.</p>\n@par...m vpnConnectionId The ID of the VPN connection.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
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  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The ID of the VPN connection.</p>\n@par...m vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPN connection.</p>",
    "enumType" : null,
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    "getterDocumentation" : "/*\<p>The ID of the VPN connection.</p>\n@par...m return The ID of the VPN connection.*/",
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    "getterModel" : {
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      "documentation" : null
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  }
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpnConnectionId",
  "uri" : false
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  "variableName" : "vpnConnectionId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n<p>The ID of the VPN connection.</p>\n@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.</param*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpnConnectionId" ],
"shapeName" : "DeleteVpnConnectionRequest",
"unmarshaller" : null,
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    "variableName" : "deleteVpnConnectionRequest",
    "variableType" : "DeleteVpnConnectionRequest",
    "documentation" : null,
    "simpleType" : "DeleteVpnConnectionRequest",
    "variableSetterType" : "DeleteVpnConnectionRequest"
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"wrapper" : false
},
"DeleteVpnConnectionResult" : {
    "c2jName" : "DeleteVpnConnectionResult",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
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    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "DeleteVpnConnectionResult",
    "unmarshaller" : {
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        "resultWrapper" : null
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        "variableDeclarationType" : "DeleteVpnConnectionResult",
        "variableName" : "deleteVpnConnectionResult",
        "variableType" : "DeleteVpnConnectionResult",
        "documentation" : null,
        "simpleType" : "DeleteVpnConnectionResult",
        "variableSetterType" : "DeleteVpnConnectionResult"
    }
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"DeleteVpnConnectionRouteRequest" : {
  "c2jName" : "DeleteVpnConnectionRouteRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for DeleteVpnConnectionRoute."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeleteVpnConnectionRoute",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "VpnConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the VPN connection."
  }
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "fluentSetterDocumentation" : "The ID of the VPN connection."
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpnConnectionId",
"queryString": false,
"statusCode": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpnConnectionId",
"setterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the
VPN connection.*/",
"setterMethodName": "setVpnConnectionId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpnConnectionId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpnConnectionId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPN connection.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The CIDR block associated with the local subnet of the customer network.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The CIDR block associated with the local subnet of the customer network.
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer network.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName": "withDestinationCidrBlock",
"getterDocumentation": "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
\n@return The CIDR block associated with the local subnet of the customer network.*\*/",
"getterMethodName": "getDestinationCidrBlock",
"getterModel": {
"returnType": "String",
"documentation": null
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"statusCode": false,
"unmarshallLocationName": "DestinationCidrBlock",
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"list": false,
"listModel": null,
"map": false,
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"name": "DestinationCidrBlock",
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"setterModel": {
"variableDeclarationType": "String",
"variableName": "destinationCidrBlock",
"variableType": "String",
"documentation": "",
"simpleType": "String",
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"variable": {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
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*\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer network.</p>
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "DestinationCidrBlock",
      "uri" : false
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    "listModel" : null,
    "map" : false,
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>The ID of the VPN connection.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The ID of the VPN connection. The ID of the VPN connection.\n@param vpnConnectionId The ID of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnConnectionId",
"getterDocumentation" : "/**\<p>The ID of the VPN connection.\</p>",
"getterMethodName" : "getVpnConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of
the VPN connection.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpnConnectionId",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@n@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
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"variableName" : "vpnConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpnConnectionId", "DestinationCidrBlock" ],
"shapeName" : "DeleteVpnConnectionRouteRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DeleteVpnConnectionRouteRequest",
"variableName" : "deleteVpnConnectionRouteRequest",
"variableType" : "DeleteVpnConnectionRouteRequest"}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpnGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DeleteVpnGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
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    "c2jName" : "VpnGatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpnGatewayId",
    "getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.
*/",
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    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpnGatewayId",
      "queryString" : false,
    }
  }
}
"statusCode" : false,
"unmarshallLocationName" : "VpnGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"VpnGatewayId" : {
  "c2jName" : "VpnGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpnGatewayId",
  "getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.*/",
  "getterMethodName" : "getVpnGatewayId",
  "getterModel" : {
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    "variableName" : "vpnGatewayId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargGetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@return The ID of the virtual private gateway.*/",
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    "variableName" : "vpnGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpnGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.</param>*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.</param>*/",
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"variableName" : "deleteVpnGatewayResult",
"variableType" : "DeleteVpnGatewayResult",
"documentation" : null,
"simpleType" : "DeleteVpnGatewayResult",
"variableSetterType" : "DeleteVpnGatewayResult"
},
"wrapper" : false
},
"DeregisterImageRequest" : {
"c2jName" : "DeregisterImageRequest",
"customization" : {
   "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeregisterImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DeregisterImage",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
\n@<param name="imageId">The ID of the AMI</param>
*\*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI</p>
\n@return The ID of the AMI</param>*/",
"getterMethodName" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
  "ImageId" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the
AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.
 */",
"getterMethodName" : "getImageId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ImageId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ImageId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the
AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the
AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
}
"resultWrapper" : null,
},
"variable" : {
"variableDeclarationType" : "DeregisterImageResult",
"variableName" : "deregisterImageResult",
"variableType" : "DeregisterImageResult",
"documentation" : null,
"simpleType" : "DeregisterImageResult",
"variableSetterType" : "DeregisterImageResult"
},
"wrapper" : false
},
"DescribeAccountAttributesRequest" : {
"c2jName" : "DescribeAccountAttributesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAccountAttributes.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeAccountAttributes",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "AttributeNames",
"c2jShape" : "AccountAttributeNameStringList",
"deprecated" : false,
"documentation" : "<p>One or more account attribute names.</p>",
"enumType" : "AccountAttributeName",
"fluentSetterDocumentation" : "/**<p>One or more account attribute names.</p>*/
@see AccountAttributeName",
"getterDocumentation" : "/**<p>One or more account attribute names.</p>*/
@see AccountAttributeName*".
One or more account attribute names.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",  
"fluentSetterMethodName" : "withAttributeNames",
"getterDocumentation" : "/**<p>One or more account attribute names.</p>*/
@returns One or more account attribute names.\n@see AccountAttributeName*/",
"getterMethodName" : "getAttributeNames",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AttributeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attributeName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "AccountAttributeName",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "AccountAttributeName",
    "fluentSetterDocumentation" : "/**\n     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.\n     * @see AccountAttributeName*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return @see AccountAttributeName*/",
    "getterMethod" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttributeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attributeName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@see AccountAttributeName*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.
@see AccountAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "attributeName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"map": false,
"mapModel": null,
"name": "AttributeNames",
"setterDocumentation": "/** <p>One or more account attribute names. </p>
@param attributeName One or more account attribute names.
@see AccountAttributeName*/",
"setterMethodName": "setAttributeNames",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "attributeNames",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/** <p>One or more account attribute names. </p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAttributeNames(java.util.Collection)} or @<link #withAttributeNames(java.util.Collection) if you want to override the existing values.</p><p>@param attributeName One or more account attribute names.
@return Returns a reference to this object so that method calls can be chained together.
@see AccountAttributeName*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "attributeNames",
  "variableType": "java.util.List<String>",
  "documentation": "One or more account attribute names.",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "AttributeNames": {
    "c2jName": "AttributeNames",
    "c2jShape": "AccountAttributeNameStringList",
    "deprecated": false,
    "documentation": "<p>One or more account attribute names. </p>",
    "enumType": "AccountAttributeName",
    "fluentSetterDocumentation": "/** <p>One or more account attribute names. </p>
@see AccountAttributeName*/",
    "fluentSetterMethodName": "withAttributeNames",
    "getterDocumentation": "/** <p>One or more account attribute names. </p>
@return One or more account attribute names.
@see AccountAttributeName*/",
    "getterMethodName": "getAttributeNames",
    "getterModel": {
      "returnType": "java.util.List<String>",
      "documentation": null
    }
  }
}
"http" : {
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "AccountAttributeName",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : "AccountAttributeName",
            "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together \n@see AccountAttributeName*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return \n@see AccountAttributeName*/",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            }
        },
    }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@see AccountAttributeName*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
@see AccountAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "attributeName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "AttributeNames",
"setterDocumentation" : "/**<p>One or more account attribute names.</p>
@param attributeNames One or more account attribute names.
@see AccountAttributeName*/"
"setterMethodName" : "setAttributeNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "attributeNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more account attribute names.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setAttributeNames(java.util.Collection)] or [@link #withAttributeNames(java.util.Collection)] if you want to override the existing values.</p>
@param attributeNames One or more account attribute names.
@return Returns a reference to this object so that method calls can be chained together.\n@see AccountAttributeName*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "attributeNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more account attribute names.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeAccountAttributesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeAccountAttributesRequest",
  "variableName" : "describeAccountAttributesRequest",
  "variableType" : "DescribeAccountAttributesRequest",
  "documentation" : null,
  "simpleType" : "DescribeAccountAttributesRequest",
  "variableSetterType" : "DescribeAccountAttributesRequest"
},
"wrapper" : false
},
"DescribeAccountAttributesResult" : {
  "c2jName" : "DescribeAccountAttributesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
"c2jName": "member",
"c2jShape": "AccountAttribute",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
 "returnType": "AccountAttribute",
 "documentation": null
},
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "Item",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "item",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "AccountAttribute",
 "variableName": "member",
 "variableType": "AccountAttribute",
 "documentation": "",
 "simpleType": "AccountAttribute",
 "variableSetterType": "AccountAttribute"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "AccountAttribute",
"variableName" : "member",
"variableType" : "AccountAttribute",
"documentation" : "",
"simpleType" : "AccountAttribute",
"variableSetterType" : "AccountAttribute"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AccountAttribute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AccountAttribute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"templateType" : "java.util.List<AccountAttribute>"
},
"map" : false,
"mapModel" : null,
"name" : "AccountAttributes",
"setterDocumentation" : "/**<p>Information about one or more account attributes.</p>
@param accountAttributes Information about one or more account attributes.*/",
"setterMethodName" : "setAccountAttributes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"variableName" : "accountAttributes",
"variableType" : "java.util.List<AccountAttribute>",
"documentation" : "",
"simpleType" : "List<AccountAttribute>",
"variableSetterType" : "java.util.Collection<AccountAttribute>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more account attributes.</p>

\bNOTE:\b This method appends the values to the existing list (if any). Use { @link #setAccountAttributes(java.util.Collection)} or { @link #withAccountAttributes(java.util.Collection)} if you want to override the existing values.

\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"variableName" : "accountAttributes",
"variableType" : "java.util.List<AccountAttribute>",
"documentation" : "<p>Information about one or more account attributes.</p>
",
"simpleType" : "List<AccountAttribute>"
"variableSetterType" : "java.util.Collection<AccountAttribute>"
],
"xmlNameSpaceUri" : null
]
"membersAsMap" : {
  "AccountAttributes" : {
  "c2jName" : "AccountAttributes",
  "c2jShape" : "AccountAttributeList",
  "deprecated" : false,
  "documentation" : "<p>Information about one or more account attributes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about one or more account attributes.</p>
  @param accountAttributes Information about one or more account attributes.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAccountAttributes",
  "getterDocumentation" : "/**<p>Information about one or more account attributes.</p>
  @return Information about one or more account attributes.*/",
  "getterMethodName" : "getAccountAttributes",
  "getterModel" : {
    "returnType" : "java.util.List<AccountAttribute>",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AccountAttributeSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "accountAttributeSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "AccountAttribute",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "AccountAttribute",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AccountAttribute",
  "variableName" : "member",
  "variableType" : "AccountAttribute",
  "documentation" : "",
  "simpleType" : "AccountAttribute",
  "variableSetterType" : "AccountAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "AccountAttribute",
  "variableName" : "member",
  "variableType" : "AccountAttribute",
  "documentation" : "";
}
"simpleType" : "AccountAttribute",
"variableSetterType" : "AccountAttribute"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "AccountAttribute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "AccountAttribute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
"templateType" : "java.util.List<AccountAttribute>"
},
"map" : false,
"mapModel" : null,
"name" : "AccountAttributes",
"setterDocumentation" : /**<p>Information about one or more account attributes.</p>
@param accountAttributes Information about one or more account attributes.</param>*/
"setterMethodName" : "setAccountAttributes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
  "variableName" : "accountAttributes",
  "variableType" : "java.util.List<AccountAttribute>",
  "documentation" : "",
  "simpleType" : "List<AccountAttribute>",
  "variableSetterType" : "java.util.Collection<AccountAttribute>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>Information about one or more account attributes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setAccountAttributes(java.util.Collection)} or { @link #withAccountAttributes(java.util.Collection)} if you want to override the existing values.</p>
@param accountAttributes Information about one or more account attributes.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<AccountAttribute>",
  "variableName" : "accountAttributes",
  "variableType" : "java.util.List<AccountAttribute>",
  "documentation" : "<p>Information about one or more account attributes.</p>",
  "simpleType" : "List<AccountAttribute>",
  "variableSetterType" : "java.util.Collection<AccountAttribute>"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeAccountAttributesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
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  "variableName" : "describeAccountAttributesResult",
  "variableType" : "DescribeAccountAttributesResult",
  "documentation" : null,
  "simpleType" : "DescribeAccountAttributesResult",
  "variableSetterType" : "DescribeAccountAttributesResult"
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"wrapper" : false,

"DescribeAddressesRequest" : {
  "c2jName" : "DescribeAddressesRequest",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeAddresses.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "PublicIps",
    "c2jShape" : "PublicIpStringList",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic] One or more Elastic IP addresses.</p> Default: Describes all your Elastic IP addresses.""}
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>[EC2-Classic] One or more Elastic IP addresses.</p> <p>Default:
Describes all your Elastic IP addresses.</p>
@param publicIps [EC2-Classic] One or more Elastic IP
addresses. Default: Describes all your Elastic IP addresses.
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withPublicIps",
"getterDocumentation" : "/** <p>[EC2-Classic] One or more Elastic IP addresses.</p> <p>Default:
Describes all your Elastic IP addresses.</p>
@return [EC2-Classic] One or more Elastic IP addresses.</p>
*/",
"getterMethodName" : "getPublicIps",
"getterModel" : {
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    "documentation" : null
},
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PublicIp",
    "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    }
}


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"http": {
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  "greedy": false,
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  "statusCode": false,
  "unmarshallLocationName": "PublicIp",
  "uri": false
},
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@param member */",
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  "variableName": "member",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
\param member
\return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "PublicIp",
"memberType": "String",
"map": false
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
}
,"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : "/**
<p>[EC2-Classic] One or more Elastic IP addresses.</p>
<p>Default: Describes all your Elastic IP addresses.</p>
@param publicIps [EC2-Classic] One or more Elastic IP addresses.</p>
@return Returns a reference to this object so that method calls can be chained together.*
",
"setterMethodName" : "setPublicIps",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>[EC2-Classic] One or more Elastic IP addresses.</p>
<p>Default: Describes all your Elastic IP addresses.</p>

@link #setPublicIps(java.util.Collection) or @link #withPublicIps(java.util.Collection) if you want to override the existing values.</p>

@param publicIps [EC2-Classic] One or more Elastic IP addresses.

@return Returns a reference to this object so that method calls can be chained together.*
",
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  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>[EC2-Classic] One or more Elastic IP addresses.</p>

@link #setPublicIps(java.util.Collection) or @link #withPublicIps(java.util.Collection) if you want to override the existing values.</p>

@param publicIps [EC2-Classic] One or more Elastic IP addresses.

@return Returns a reference to this object so that method calls can be chained together.*
",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters. Filter names and values are case-sensitive.</p>

<code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.

<code>association-id</code> - [EC2-VPC] The association ID for the address.

- Indicates
whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</p> 
<li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> 
<li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> 
<li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> 
<li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> 

"fluentsetterdocumentation" : "/**<p>One or more filters. Filter names and values are case-sensitive.</p> <ul> <li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p> </li> 
<li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> 
<li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> 
<li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> 
<li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> </ul>
@returns Returns a reference to this object so that method calls can be chained together.*/", 
"getterdocumentation" : "/**<p>One or more filters. Filter names and values are case-sensitive.</p> <ul> <li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p> </li> 
<li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> 
<li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> 
<li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> 
<li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> </ul>
@returns One or more filters. Filter names and values are case-sensitive.<p> <ul> <li> <p> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</p> </li> 
<li> <p> <code>association-id</code> - [EC2-VPC] The association ID for the address.</p> </li> 
<li> <p> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>). The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>instance-id</code> - [EC2-VPC] The ID of the instance the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</p> </li> 
<li> <p> <code>network-interface-owner-id</code> - The AWS account ID of the owner.</p> </li> 
<li> <p> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</p> </li> 
<li> <p> <code>public-ip</code> - The Elastic IP address.</p> </li> </ul>
@returns A reference to this object so that method calls can be chained together.*/", 
"gettermodel" : { ...
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n @return */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",

"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters. Filter names and values are case-sensitive.</p> 
<ul>
<li><code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li><code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li><code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
<li><code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li><code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li><code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
<li><code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.</li>
<li><code>public-ip</code> - The Elastic IP address.</li>
</ul>
@param filters One or more filters. Filter names and values are case-sensitive.

<ul>
<li><code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li><code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li><code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
<li><code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
<li><code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.</li>
<li><code>network-interface-owner-id</code> - The AWS account ID of the owner.</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<a href="#setFilters">setFilters</a>} or {<a href="#withFilters">withFilters</a>} if you want to override the existing values.</p> 
@param filters One or more filters. Filter names and values are case-sensitive.

<ul>
<li><code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.</li>
<li><code>association-id</code> - [EC2-VPC] The association ID for the address.</li>
<li><code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
<li><code>instance-id</code> - The ID of the instance the address is associated with, if any.</li>
</ul>"
@return Returns a reference to this object so that method calls can be chained together.*/*


"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AllocationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>
@param allocationIds [EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.*/",
"setterMethodName" : "setAllocationIds",
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  "variableName" : "allocationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.*/",
"setterMethodName" : "setAllocationIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "allocationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.*/",
"setterMethodName" : "setAllocationIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "allocationIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.*/",
"setterMethodName" : "setAllocationIds",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"memberLocationName": "AllocationId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
"variable Setter Type": "java.util.Collection<String>"
},
"simple": false,
"vararg Setter Documentation": "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>\n\n@b NOTE:\nThis method appends the values to the existing list (if any). Use \{@link #setAllocationIds(java.util.Collection)\} or \{@link #withAllocationIds(java.util.Collection)\} if you want to override the existing values.\n\n@e param allocationIds [EC2-VPC] One or more allocation IDs.\n\n@e Default: Describes all your Elastic IP addresses.\n\n@e return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variable Declaration Type": "com.amazonaws.internal.SdkInternalList<String>",
  "variable Name": "allocationIds",
  "variable Type": "java.util.List<String>",
  "documentation": "<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>\n\n@e simple Type": "List<String>",
  "variable Setter Type": "java.util.Collection<String>"
},
"xml NameSpace Uri": null
},
"members As Map": {
  "AllocationIds": {
    "c2j Name": "AllocationIds",
    "c2j Shape": "AllocationIdList",
    "deprecated": false,
    "documentation": "<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>\n\n@e http": {
  "additional Marshalling Path": null,
  "additional Unmarshalling Path": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "is Payload": false,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AllocationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "AllocationIds",
"setterDocumentation" : "/**[EC2-VPC] One or more allocation IDs.
\n@param allocationIds [EC2-VPC] One or more allocation IDs.*/",
"setterMethodName" : "setAllocationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "allocationIds",
"variableType" : "java.util.List<String>",
"documentation" : ""
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",

"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] One or more allocation IDs.</p> <p>Default: Describes all your Elastic IP addresses.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAllocationIds(java.util.Collection)} or {@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p>
<p><strong>NOTE:</strong> This method appends the values to the existing list (if any). Use {@link #setAllocationIds(java.util.Collection)} or {@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "allocationIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-VPC] One or more allocation IDs.</p> 
<p>Default: Describes all your Elastic IP addresses.</p> 
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
@link #setAllocationIds(java.util.Collection)} or {
@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p>
<p><strong>NOTE:</strong> This method appends the values to the existing list (if any). Use {
@link #setAllocationIds(java.util.Collection)} or {
@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p> 
"param allocationIds [EC2-VPC] One or more allocation IDs.</p> 

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "allocationIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-VPC] One or more allocation IDs.</p> 
<p>Default: Describes all your Elastic IP addresses.</p> 
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
@link #setAllocationIds(java.util.Collection)} or {
@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p>
<p><strong>NOTE:</strong> This method appends the values to the existing list (if any). Use {
@link #setAllocationIds(java.util.Collection)} or {
@link #withAllocationIds(java.util.Collection)} if you want to override the existing values.</p> 
"param allocationIds [EC2-VPC] One or more allocation IDs.

"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters. Filter names and values are case-sensitive.</p> "param filters One or more filters. Filter names and values are case-sensitive."/"
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters. Filter names and values are case-sensitive.</p> "param filters One or more filters. Filter names and values are case-sensitive."/"
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters. Filter names and values are case-sensitive.</p> "param filters One or more filters. Filter names and values are case-sensitive."/"}
"listModel": {  
  "implType": "com.amazonaws.internal.SdkInternalList",  
  "interfaceType": "java.util.List",  
  "listMemberModel": {  
    "c2jName": "member",  
    "c2jShape": "Filter",  
    "deprecated": false,  
    "documentation": "",  
    "enumType": null,  
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "fluentSetterMethodName": "withMember",  
    "getterDocumentation": "/**\n@return */",  
    "getterMethodName": "getMember",  
    "getterModel": {  
      "returnType": "Filter",  
      "documentation": null  
    },  
    "http": {  
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      "additionalUnmarshallingPath": null,  
      "flattened": false,  
      "greedy": false,  
      "header": false,  
      "isPayload": false,  
      "isStreaming": false,  
      "location": null,  
      "marshallLocationName": "Filter",  
      "queryString": false,  
      "statusCode": false,  
      "unmarshallLocationName": "Filter",  
      "uri": false  
    },  
    "idempotencyToken": false,  
    "list": false,  
    "listModel": null,  
    "map": false,  
    "mapModel": null,  
    "name": "Member",  
    "setterDocumentation": "/**\n@param member */",  
    "setterMethodName": "setMember",  
    "setterModel": {  
      "variableDeclarationType": "Filter",  
      "variableName": "member",  
      "variableType": "Filter",  
      "documentation": "",  
      "simpleType": "Filter",  
      "variableSetterType": "Filter"  
  }  
}
null
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters. Filter names and values are case-sensitive. */
<ul>
  <li> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.
  </li>
  <li> <code>association-id</code> - [EC2-VPC] The association ID for the address.
  </li>
  <li> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).
  </li>
  <li> <code>instance-id</code> - The ID of the instance the address is associated with, if any.
  </li>
  <li> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.
  </li>
  <li> <code>network-interface-owner-id</code> - The AWS account ID of the owner.
  </li>
  <li> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.
  </li>
  <li> <code>public-ip</code> - The Elastic IP address.
  </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<code>@link #setFilters(java.util.Collection)</code>} or {<code>@link #withFilters(java.util.Collection)</code>} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters. Filter names and values are case-sensitive. */
<ul>
  <li> <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.
  </li>
  <li> <code>association-id</code> - [EC2-VPC] The association ID for the address.
  </li>
  <li> <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).<p>  
  </li>
  <li> <code>instance-id</code> - The ID of the instance the address is associated with, if any.
  </li>
  <li> <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.<p>  
  </li>
  <li> <code>network-interface-owner-id</code> - The AWS account ID of the owner.<p>  
  </li>
  <li> <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.
  </li>
  <li> <code>public-ip</code> - The Elastic IP address.<p>  
  </li>
</ul>
@<code>return</code> Returns a reference to this object so that method calls can be chained together.*/
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
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"xmlNameSpaceUri" : null
"PublicIps" : {
    "c2jName" : "PublicIps",
    "c2jShape" : "PublicIpStringList",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic] One or more Elastic IP addresses.
    Default: Describes all your Elastic IP addresses.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * <p>[EC2-Classic] One or more Elastic IP addresses.
     * Default: Describes all your Elastic IP addresses.
     * @param publicIps [EC2-Classic] One or more Elastic IP addresses.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withPublicIps",
    "getterDocumentation" : "/**
     * <p>[EC2-Classic] One or more Elastic IP addresses.
     * Default: Describes all your Elastic IP addresses.
     * @return [EC2-Classic] One or more Elastic IP addresses.
     * @return Returns a reference to this object so that method calls can be chained together.*\*/",
    "getterMethodName" : "getPublicIps",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PublicIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "PublicIp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**
             * @param member
             * @return Returns a reference to this object so that method calls can be chained together.*\*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**
             * @return Returns a reference to this object so that method calls can be chained together.*\*/",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "java.util.List<String>",
                "documentation" : null
            }
        }
    }
}
method calls can be chained together.*"},

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PublicIp",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**\n* @param member */",

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**\n* @param member 
* return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PublicIp",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : /**&lt;p&gt;[EC2-Classic] One or more Elastic IP addresses.&lt;/p&gt; &lt;p&gt;Default: Describes all your Elastic IP addresses.&lt;/p&gt;&lt;hr&gt;&lt;p&gt;\n@\param publicIps [EC2-Classic] One or more Elastic IP addresses.&lt;/p&gt;&lt;p&gt;Default: Describes all your Elastic IP addresses.*/&lt;*/,
"setterMethodName" : "setPublicIps",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**&lt;p&gt;[EC2-Classic] One or more Elastic IP addresses.&lt;/p&gt;&lt;p&gt;Default: Describes all your Elastic IP addresses.&lt;/p&gt;&lt;hr&gt;&lt;p&gt;\b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use \{ @link #setPublicIps(java.util.Collection) \} or \{ @link #withPublicIps(java.util.Collection) \} if you want to override the existing values.&lt;/p&gt;&lt;hr&gt;&lt;p&gt;\n@\param publicIps [EC2-Classic] One or more Elastic IP addresses.&lt;/p&gt;&lt;p&gt;Default: Describes all your Elastic IP addresses.*/&lt;*/,
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "&lt;\p&gt;[EC2-Classic] One or more Elastic IP addresses.&lt;/p&gt;&lt;p&gt;Default: Describes all your Elastic IP addresses.&lt;/p&gt;&lt;*/",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeAddressesRequest",
"unmarshaller": null,

"variable": {
  "variableDeclarationType": "DescribeAddressesRequest",
  "variableName": "describeAddressesRequest",
  "variableType": "DescribeAddressesRequest",
  "documentation": null,
  "simpleType": "DescribeAddressesRequest",
  "variableSetterType": "DescribeAddressesRequest"
},

"wrapper": false,

"DescribeAddressesResult": {
  "c2jName": "DescribeAddressesResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeAddresses.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "Addresses",
      "c2jShape": "AddressList",
      "deprecated": false,
      "documentation": "<p>Information about one or more Elastic IP addresses.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>Information about one or more Elastic IP addresses.</p>
@param addresses Information about one or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withAddresses",
      "getterDocumentation": "/**<p>Information about one or more Elastic IP addresses.</p>
@return Information about one or more Elastic IP addresses.*/",
      "getterMethodName": "getAddresses",
      "getterModel": {

"returnType": "java.util.List<Address>",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AddressesSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "addressesSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
      @param member
      @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n      @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Address",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "addressesSet",
      "uri": false
    }
  }
}
"name" : "Addresses",
"setterDocumentation" : "/**\nInformation about one or more Elastic IP addresses.*/",
"setterMethodName" : "setAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "",
"simpleType" : "List<Address>",
"variableSetterType" : "java.util.Collection<Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nInformation about one or more Elastic IP addresses.

**NOTE:** This method appends the values to the existing list (if any). Use { @link 
#setAddresses(java.util.Collection)} or { @link #withAddresses(java.util.Collection)} if you want to override the existing values.

@\n@param addresses Information about one or more Elastic IP addresses.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "Information about one or more Elastic IP addresses.

enumType" : null,
"fluentSetterDocumentation" : "/**\nInformation about one or more Elastic IP addresses.

@\n@param addresses Information about one or more Elastic IP addresses.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAddresses",
"getterDocumentation" : "/**\nInformation about one or more Elastic IP addresses.

@\n@return Information about one or more Elastic IP addresses.*/",
"getterMethodName" : "getAddresses",
"getterModel" : {
"returnType" : "java.util.List<Address>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "addressesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Address",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     @param member 
     @return Returns a reference to this object so that 
     method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     @return */",
    "getterMethodName" : "getMember",
    "getModel" : {
      "returnType" : "Address",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Address",
  "variableName" : "member",
  "variableType" : "Address",
  "documentation" : "",
  "simpleType" : "Address",
  "variableSetterType" : "Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Address",
  "variableName" : "member",
  "variableType" : "Address",
  "documentation" : "",
  "simpleType" : "Address",
  "variableSetterType" : "Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Address>",
"templateType" : "java.util.List<Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Addresses",
"setterDocumentation" : "/**<p>Information about one or more Elastic IP addresses.</p>
@param addresses Information about one or more Elastic IP addresses.</p>*/",
"setterMethodName" : "setAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "",
"simpleType" : "List<Address>",
"variableSetterType" : "java.util.Collection<Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\nInformation about one or more Elastic IP addresses.\n\nNOTE: This method appends the values to the existing list (if any). Use \{ @link #setAddresses(java.util.Collection) \} or \{ @link #withAddresses(java.util.Collection) \} if you want to override the existing values.\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "Information about one or more Elastic IP addresses.\n\n\n**NOTE:** This method appends the values to the existing list (if any). Use \{ @link #setAddresses(java.util.Collection) \} or \{ @link #withAddresses(java.util.Collection) \} if you want to override the existing values.\n\n\n\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Address>",
"variableName" : "addresses",
"variableType" : "java.util.List<Address>",
"documentation" : "Information about one or more Elastic IP addresses.\n\n\n**NOTE:** This method appends the values to the existing list (if any). Use \{ @link #setAddresses(java.util.Collection) \} or \{ @link #withAddresses(java.util.Collection) \} if you want to override the existing values.\n\n\n\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/"}}
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "\p>Contains the parameters for DescribeAvailabilityZones.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeAvailabilityZones",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : 'POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "ZoneNames",
"c2jShape" : "ZoneNameStringList",
"deprecated" : false,
"documentation" : "\p>The names of one or more Availability Zones.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>The names of one or more Availability Zones.</p>
@param
zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withZoneNames",
"getterDocumentation" : "/**\p>The names of one or more Availability Zones.
@return The names of one or more Availability Zones.*/",
"getterMethodName" : "getZoneNames",
"getterModel" : {
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"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ZoneName",
"additionalMarshallingPath" : null,
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "ZoneNames",
"setterDocumentation" : "/**
<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.*/",
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"setterModel" : {
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  "variableName" : "zoneNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>The names of one or more Availability Zones.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setZoneNames(java.util.Collection) } or { @link 
#withZoneNames(java.util.Collection) } if you want to override the
existing values.</p>
@returns A reference to this object so that method calls can be chained together.

The names of one or more Availability Zones.

The names of one or more Availability Zones.

The name of the region for the Availability Zone.

The state of the Availability Zone.

The name of the Availability Zone.

The name of the region for the Availability Zone.

The state of the Availability Zone.

The name of the Availability Zone.

The name of the region for the Availability Zone.

The state of the Availability Zone.

The name of the Availability Zone.

The name of the region for the Availability Zone.

The state of the Availability Zone.

The name of the Availability Zone.

One or more filters.

One or more filters.

One or more filters.
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  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
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  "interfaceType": "java.util.List",
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    "c2jShape": "Filter",
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     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return\n     */",
    "getterMethod": "getMember",
    "getterModel": {
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      "documentation": null
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      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>message</code> - Information about the Availability Zone.</li> <li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </li> <li> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> <li> <code>unavailable</code> - Information about the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> */",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>message</code> - Information about the Availability Zone.</li> <li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </li> <li> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> <li> <code>unavailable</code> - Information about the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> <li> <code>message</code> - Information about the Availability Zone.</li> <li> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> 
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
"ul" <li> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
"ul" <li> <p>un@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <code>message</code> - Information about the Availability Zone.</li> <li> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </li> <li> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).</li> <li> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </li> <li> <code>message</code> - Information about the Availability Zone.</li> <li> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).
"ul" <li> <p>un@return Returns a reference to this object so that method calls can be chained together.*/"}
"documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).\n</li> <li> <p> <code>state</code> - The state of the Availability Zone (for example, <code>available</code> | <code>impaired</code> | <code>unavailable</code>).\n</li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>zone-name</code>).\n</li> </ul>

"deprecated": false,

"documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).\n</li> <li> <p> <code>state</code> - The state of the Availability Zone (for example, <code>available</code> | <code>impaired</code> | <code>unavailable</code>).\n</li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>zone-name</code>).\n</li> </ul>

"enumType": null,

"fluentSetterDocumentation": "<p>One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).\n</li> <li> <p> <code>state</code> - The state of the Availability Zone (for example, <code>available</code> | <code>impaired</code> | <code>unavailable</code>).\n</li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>zone-name</code>).\n</li> </ul>

"getterDocumentation": "<p>One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).\n</li> <li> <p> <code>state</code> - The state of the Availability Zone (for example, <code>available</code> | <code>impaired</code> | <code>unavailable</code>).\n</li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>zone-name</code>).\n</li> </ul>

"returnType": "java.util.List<Filter>";\n
"documentation": null
},
"http": {\n  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
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    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**\nOne or more filters.

Information about the Availability Zone.

- <code>message</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).
- <code>region-name</code> - The state of the Availability Zone (for example, <code>available</code> | <code>information</code> | <code>impaired</code> | <code>unavailable</code>).
- <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).

Returned Returns a reference to this object so that method calls can be chained together.*/"
}
"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </p> </li> <li> <p> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable). </p> </li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setFilters(java.util.Collection)] or [@link withFilters(java.util.Collection)] if you want to override the existing values.</p>@param filters One or more filters. <ul>
<li>@code message</code> - Information about the Availability Zone. <p> </p></li>
<li>@code region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </p></li>
<li>@code state</code> - The state of the Availability Zone (available | information | impaired | unavailable). </p></li>
<li>@code zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </p></li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."*/",

"variable" : {
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    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "/p>
    "<p>One or more filters.</p> <ul> <li>
    "<code>message</code> - Information about the Availability Zone. <p> </p></li>
    <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>). </p> </li>
    <li> <p> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable). </p> </li>
    <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>). </p> </li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."*/",

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},
"ZoneNames" : {
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    "c2JShape" : "ZoneNameStringList",
    "deprecated" : false,
"documentation" : "<p>The names of one or more Availability Zones.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@param zoneNames The names of one or more Availability Zones.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withZoneNames",
"getterDocumentation" : "/**<p>The names of one or more Availability Zones.</p>
@return The names of one or more Availability Zones.
*/",
"getterMethodName" : "getZoneNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ZoneName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ZoneName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return
*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
}
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
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@param member */",
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"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "ZoneName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false
The names of one or more Availability Zones.

```java
@<param zoneNames The names of one or more Availability Zones.>
@<return Returns a reference to this object so that method calls can be chained together.>
```

"documentation" : null,
"simpleType" : "DescribeAvailabilityZonesRequest",
"variableSetterType" : "DescribeAvailabilityZonesRequest"
},
"wrapper" : false
}
"DescribeAvailabilityZonesRequest" : {
"c2jName" : "DescribeAvailabilityZonesRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the output of DescribeAvailabilityZones.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "AvailabilityZones",
 "c2jShape" : "AvailabilityZoneList",
 "deprecated" : false,
 "documentation" : "<p>Information about one or more Availability Zones.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>@param availabilityZones Information about one or more Availability Zones.@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withAvailabilityZones",
 "getterDocumentation" : "/**<p>Information about one or more Availability Zones.</p>@return Information about one or more Availability Zones.*",
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 "getterModel" : {
 "returnType" : "java.util.List< AvailabilityZone >",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
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 * #setAvailabilityZones(java.util.Collection)] or [@link #withAvailabilityZones(java.util.Collection)] if you want to
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@link #setAvailabilityZones(java.util.Collection) or @link #withAvailabilityZones(java.util.Collection) if you want to
override the existing values.</p>

@\param availabilityZones Information about one or more Availability Zones.

@return Returns a reference to this object so that method calls can be chained together. */

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@return Returns a reference to this object so that
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@param member 
@return Returns a reference to this object so that
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  "documentation": "",
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  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p> 
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBundleIds(java.util.Collection) } or { @link #withBundleIds(java.util.Collection) } if you want to override the existing values. 
 @param bundleIds One or more bundle task IDs. 
 @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
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"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>failed</code> | <code>update-time</code> - The time of the most recent update for the task.</p> </li>
</ul>

@**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>failed</code> | <code>update-time</code> - The time of the most recent update for the task.</p> </li>
</ul>

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bundle-id</code> - The ID of the bundle task.</p> </li> <li> <p> <code>error-code</code> - If the task failed, the error code returned.</p> </li> <li> <p> <code>error-message</code> - If the task failed, the error message returned.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>failed</code> | <code>update-time</code> - The time of the most recent update for the task.</p> </li>
</ul>

@ IMPORTANT: Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withFilters"
task.</li></ul>@return One or more filters.</ul><li><p><code>bundle-id</code> - The ID of the bundle task.</li></ul><li><p><code>error-code</code> - If the task failed, the error code returned.</li></ul><li><p><code>error-message</code> - If the task failed, the error message returned.</li></ul><li><p><code>instance-id</code> - The ID of the instance.</li></ul><li><p><code>progress</code> - The level of task completion, as a percentage (for example, 20%).</li></ul><li><p><code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</li></ul><li><p><code>s3-prefix</code> - The beginning of the AMI name.</li></ul><li><p><code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</li></ul><li><p><code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundleing</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</li></ul><li><p><code>update-time</code> - The time of the most recent update for the task.</li></ul>

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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
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"list" : true,
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Filter",
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    "enumType" : null,
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    "getterDocumentation" : "/**\n* @return */",
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   * @return Returns a reference to this object so that
   * method calls can be chained together.*\n*/",
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"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p><ul><li><code>bundle-id</code> - The ID of the bundle task.</li><li><code>error-code</code> - If the task failed, the error code returned.</li><li><code>error-message</code> - If the task failed, the error message returned.</li><li><code>instance-id</code> - The ID of the instance.</li><li><code>progress</code> - The level of task completion, as a percentage (for example, 20%).</li><li><code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</li><li><code>s3-prefix</code> - The beginning of the AMI name.</li><li><code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</li><li><code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</li><li><code>update-time</code> - The time of the most recent update for the task.</li></ul><p>@param filters One or more filters.</p>*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>One or more filters.</p><ul><li><code>bundle-id</code> - The ID of the bundle task.</li><li><code>error-code</code> - If the task failed, the error code returned.</li><li><code>error-message</code> - If the task failed, the error message returned.</li><li><code>instance-id</code> - The ID of the instance.</li><li><code>progress</code> - The level of task completion, as a percentage (for example, 20%).</li><li><code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</li><li><code>s3-prefix</code> - The beginning of the AMI name.</li><li><code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</li><li><code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</li><li><code>update-time</code> - The time of the most recent update for the task.</li></ul>*/";
<code>instance-id</code> - The ID of the instance.</li> <li> <p> <code>progress</code> - The level of task completion, as a percentage (for example, 20%).</p> </li> <li> <p> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</p> </li> <li> <p> <code>s3-prefix</code> - The beginning of the AMI name.</p> </li> <li> <p> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</p> </li> <li> <p> <code>state</code> - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).</p> </li> <li> <p> <code>update-time</code> - The time of the most recent update for the task.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>

### @param filters One or more filters.

- **bundle-id** - The ID of the bundle task.
- **error-code** - If the task failed, the error code returned.
- **error-message** - If the task failed, the error message returned.
- **instance-id** - The ID of the instance.
- **progress** - The level of task completion, as a percentage (for example, 20%).
- **s3-bucket** - The Amazon S3 bucket to store the AMI.
- **s3-prefix** - The beginning of the AMI name.
- **start-time** - The time the task started (for example, 2013-09-15T17:15:20.000Z).
- **state** - The state of the task (<code>pending</code> | <code>waiting-for-shutdown</code> | <code>bundling</code> | <code>storing</code> | <code>cancelling</code> | <code>complete</code> | <code>failed</code>).
- **update-time** - The time of the most recent update for the task.

@return Returns a reference to this object so that method calls can be chained together.*/

```
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."}
},
"xmlNameSpaceUri" : null
"
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
"
"membersAsMap" : {
    "BundleIds" : {
        "c2jName" : "BundleIds",
        "c2jShape" : "BundleIdStringList",
        "deprecated" : false,
        "documentation" : "One or more bundle task IDs."}
},

"enumType" : null,
"fluentSetterDocumentatio" : "**Describes all your bundle tasks.**",
"default": "Describes all your bundle tasks."
bundle tasks.</p>
@param bundleIds One or more bundle task IDs. <p>
@return Returns a reference to this object so that method calls can be chained together. */

/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */

"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BundleId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BundleId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "BundleId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "BundleIds",
"setterDocumentation" : "/**<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p>*/
@param bundleIds One or more bundle task IDs.<p>Default: Describes all your bundle tasks.*/",
"setterMethodName" : "setBundleIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "bundleIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more bundle task IDs.</p> <p>Default: Describes all your bundle tasks.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBundleIds(java.util.Collection)} or {@link #withBundleIds(java.util.Collection)} if you want to override the existing values.</p>*/
@param bundleIds One or more bundle task IDs.<p>Default: Describes all your bundle tasks.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "bundleIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more bundle task IDs.<p>Default: Describes all your bundle tasks.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters."}
<code>failed</code>).</li>
<li> <p> <code>update-time</code> - The time of the most recent update for the task.</p>
</li>
</ul>

"enumType": null,
"fluentSetterDocumentation": "/**
One or more filters.

- The ID of the bundle task.
- If the task failed, the error code returned.
- The ID of the instance.
- The level of task completion, as a percentage (for example, 20%).
- The Amazon S3 bucket to store the AMI.
- The Amazon S3 bucket to store the AMI.
- The level of task completion, as a percentage (for example, 20%).
- The beginning of the AMI name.
- The time the task started (for example, 2013-09-15T17:15:20.000Z).
- The state of the task (pending|waiting-for-shutdown|cancelling|complete).
- The ID of the bundle task.
- If the task failed, the error code returned.
- The ID of the instance.
- The level of task completion, as a percentage (for example, 20%).
- The Amazon S3 bucket to store the AMI.
- The time the task started (for example, 2013-09-15T17:15:20.000Z).
- The state of the task (pending|waiting-for-shutdown|cancelling|complete).
- Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withFilters",
"getterDocumentation": "/**
One or more filters.

- The ID of the bundle task.
- If the task failed, the error code returned.
- The ID of the instance.
- The level of task completion, as a percentage (for example, 20%).
- The Amazon S3 bucket to store the AMI.
- The Amazon S3 bucket to store the AMI.
- The level of task completion, as a percentage (for example, 20%).
- The beginning of the AMI name.
- The time the task started (for example, 2013-09-15T17:15:20.000Z).
- The state of the task (pending|waiting-for-shutdown|cancelling|complete).
- The ID of the bundle task.
- If the task failed, the error code returned.
- The ID of the instance.
- The level of task completion, as a percentage (for example, 20%).
- The Amazon S3 bucket to store the AMI.
- The Amazon S3 bucket to store the AMI.
- The level of task completion, as a percentage (for example, 20%).
- The beginning of the AMI name.
- The time the task started (for example, 2013-09-15T17:15:20.000Z).
- The state of the task (pending|waiting-for-shutdown|cancelling|complete).
- Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getFilters",
"getterModel": {
"returnType": "java.util.List<Filter>",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return Returns a reference to this object so that
     * method calls can be chained together. */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "uri": false
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.
*/

@param filters One or more filters.

@link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection)
if you want to override the existing values.

@link 

NOTE: This method appends the values to the existing list (if any). Use 

The ID of the bundle task.</p>

- The ID of the bundle task.
- The ID of the instance.
- The level of task completion, as a percentage (for example, 20%).
- The Amazon S3 bucket to store the AMI.
- The time the task started (for example, 2013-09-15T17:15:20.000Z).
- The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).
- The time of the most recent update for the task.

NOTE: This method appends the values to the existing list (if any). Use 

If you want to override the existing values.

NOTE: This method appends the values to the existing list (if any). Use 

If the task failed, the error code returned.

If the task failed, the error message returned.

The ID of the instance.

The level of task completion, as a percentage (for example, 20%).

The Amazon S3 bucket to store the AMI.

The beginning of the AMI name.

The beginning of the AMI name.

The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).

The time of the most recent update for the task.

NOTE: This method appends the values to the existing list (if any). Use 

If you want to override the existing values.

NOTE: This method appends the values to the existing list (if any). Use 

If the task failed, the error code returned.

If the task failed, the error message returned.

The ID of the instance.
completion, as a percentage (for example, 20%).</li> <li> <code>s3-bucket</code> - The Amazon S3 bucket to store the AMI.</li> <li> <code>s3-prefix</code> - The beginning of the AMI name.</li> <li> <code>start-time</code> - The time the task started (for example, 2013-09-15T17:15:20.000Z).</li> <li> <code>state</code> - The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).</li> <li> <code>update-time</code> - The time of the most recent update for the task.</li>

```xml
<variable>
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters."</variable>
```

```
<variable>
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters."</variable>
```

```
<variable>
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters."</variable>
```

```
<variable>
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters."</variable>
```
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false}
,
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeBundleTasks.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {  
"c2jName" : "BundleTasks",
"c2jShape" : "BundleTaskList",
"deprecated" : false,
"documentation" : "<p>Information about one or more bundle tasks.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@param bundleTasks
Information about one or more bundle tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBundleTasks",
"getterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@return Information about one or more bundle tasks.*/",
"getterMethodName" : "getBundleTasks",
"getterModel" : {  
"returnType" : "java.util.List<BundleTask>",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BundleInstanceTasksSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bundleInstanceTasksSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {  
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "BundleTask",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * param member
   * return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "BundleTask",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * param member
   * */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "BundleTask",
    "variableName" : "member",
    "variableType" : "BundleTask",
    "documentation" : "",
    "simpleType" : "BundleTask",
    "variableSetterType" : "BundleTask"
  },
  "simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BundleTask",
  "variableName" : "member",
  "variableType" : "BundleTask",
  "documentation" : "",
  "simpleType" : "BundleTask",
  "variableSetterType" : "BundleTask"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BundleTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BundleTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"templateType" : "java.util.List<BundleTask>"
},
"map" : false,
"mapModel" : null,
"name" : "BundleTasks",
"setterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@param bundleTasks Information about one or more bundle tasks.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBundleTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>",
  "documentation" : "",
  "simpleType" : "List<BundleTask>",
  "variableSetterType" : "java.util.Collection<BundleTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBundleTasks(java.util.Collection)} or {@link #withBundleTasks(java.util.Collection)} if you want to override the existing values.</p>
@param bundleTasks Information about one or more bundle tasks.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>"
"documentation" : "<p>Information about one or more bundle tasks.</p>",
"simpleType" : "List<BundleTask>",
"variableSetterType" : "java.util.Collection<BundleTask>
}]
,"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"BundleTasks" : {
 "c2jName" : "BundleTasks",
 "c2jShape" : "BundleTaskList",
 "deprecated" : false,
 "documentation" : "<p>Information about one or more bundle tasks.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@param bundleTasks Information about one or more bundle tasks.
@return Returns a reference to this object so that method
 calls can be chained together.*/",
 "fluentSetterMethodName" : "withBundleTasks",
 "getterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@return Information about one or more bundle tasks.*/",
 "getterMethodName" : "getBundleTasks",
 "getterModel" : {
 "returnType" : "java.util.List<BundleTask>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "BundleInstanceTasksSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "bundleInstanceTasksSet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "BundleTask",
 "deprecated" : false,
"documentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "BundleTask",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BundleTask",
"variableName" : "member",
"variableType" : "BundleTask",
"documentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "BundleTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BundleTask",
"variableName" : "member",
"variableType" : "BundleTask",
"documentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
"variableSetterType" : "BundleTask"
"variableType" : "BundleTask",
"documentation" : "",
"complexType" : "BundleTask",
"variableSetterType" : "BundleTask"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BundleTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"complexType" : "BundleTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
"templateType" : "java.util.List<BundleTask>
",
"map" : false,
"mapModel" : null,
"name" : "BundleTasks",
"setterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
@param bundleTasks Information about one or more bundle tasks.*/",
"setterMethodName" : "setBundleTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>",
  "documentation" : "",
  "complexType" : "List<BundleTask>",
  "variableSetterType" : "java.util.Collection<BundleTask>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Information about one or more bundle tasks.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setBundleTasks(java.util.Collection) or { @link #withBundleTasks(java.util.Collection) } if you want to override
the existing values.
@param bundleTasks Information about one or more bundle tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BundleTask>",
  "variableName" : "bundleTasks",
  "variableType" : "java.util.List<BundleTask>",
  "documentation" : "<p>Information about one or more bundle tasks.</p>",
  "complexType" : "List<BundleTask>",
  "variableSetterType" : "java.util.Collection<BundleTask>
",
  "xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeBundleTasksResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeBundleTasksResult",
  "variableName" : "describeBundleTasksResult",
  "variableType" : "DescribeBundleTasksResult",
  "documentation" : null,
  "simpleType" : "DescribeBundleTasksResult",
  "variableSetterType" : "DescribeBundleTasksResult"
},
"wrapper" : false
},
"DescribeClassicLinkInstancesRequest" : {
  "c2jName" : "DescribeClassicLinkInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeClassicLinkInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeClassicLinkInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "InstanceIds",
      "c2jShape" : "InstanceIdStringList",
      "deprecated" : false,
"documentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n",
"enumType" : null,
"fluentSetterDocumentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n\n@param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>\n@param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.*/",
"setterMethodName" : "getInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #getInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values.\n@param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.*/",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. <p>\n<li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> <p> \n<li> <p> <code>instance-id</code> - The ID of the instance.</p> <p> \n<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> <p> \n<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This
filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:::<i>key</i>=<i>value</i>` filter. </p> </li> 
<li> `"tag-key=<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:::<i>key</i>=<i>value</i>` filter. </p> </li> 
</ul>

"fluentSetterDocumentation" : "/**
One or more filters.<p> <ul> <li> `<code>group-id</code>` - The ID of a VPC security group that's associated with the instance.<p> <li> `<code>instance-id</code>` - The ID of the instance.<p> <li> `<code>vpc-id</code>` - The ID of the VPC that the instance is linked to.<p> <li> `<code>tag</code>::<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource.<p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>::<i>key</i>=<i>value</i>` filter. </p> </li> 
</ul>
@return Returns a reference to this object so that method calls can be chained together. */", 
"fluentSetterMethodName" : "withFilters", 
"getterDocumentation" : "/**
One or more filters.<p> <ul> <li> `<code>group-id</code>` - The ID of a VPC security group that's associated with the instance.<p> <li> `<code>instance-id</code>` - The ID of the instance.<p> <li> `<code>vpc-id</code>` - The ID of the VPC that the instance is linked to.<p> <li> `<code>tag</code>::<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource.<p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>::<i>key</i>=<i>value</i>` filter. </p> </li> 
</ul>
@return One or more filters.<p> <ul> <li> `<code>group-id</code>` - The ID of a VPC security group that's associated with the instance.<p> <li> `<code>instance-id</code>` - The ID of the instance.<p> <li> `<code>vpc-id</code>` - The ID of the VPC that the instance is linked to.<p> <li> `<code>tag</code>::<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource.<p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>::<i>key</i>=<i>value</i>` filter. </p> </li> 
</ul>
@return One or more filters.<p> <ul> <li> `<code>group-id</code>` - The ID of a VPC security group that's associated with the instance.<p> <li> `<code>instance-id</code>` - The ID of the instance.<p> <li> `<code>vpc-id</code>` - The ID of the VPC that the instance is linked to.<p> <li> `<code>tag</code>::<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource.<p> <li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>::<i>key</i>=<i>value</i>` filter. </p> </li> 
</ul>
<p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p>

```
getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns Returns \n@return Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
```

```
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
"name": "Filters",
"setterDocumentation": "**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> </ul>
@param filters One or more filters.",
"setterMethodName": "setFilters",
"setterModel": {

"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},

"simple": false,
"varargSetterDocumentation": "**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> </ul>
@NonNull <p> NOTE: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p> "

}" @param filters One or more filters."
instance. </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to. </p> </li>

```

*/

@returns Returns a reference to this object so that method calls can be chained together.*/

/**
 * The token to retrieve the next page of results.
 * @param nextToken
 * @returns The token to retrieve the next page of results.
 */

@returns Returns a reference to this object so that method calls can be chained together.*/

```

"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**
 * The token to retrieve the next page of results.
 * @param nextToken The token to retrieve the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The token to retrieve the next page of results.
 * @param nextToken The token to retrieve the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token to retrieve the next page of results.</p>
   "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@return The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
}},
"xmlNameSpaceUri": null
}

"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p>
<ul>
<li><code>groupId</code> - The ID of a VPC security group that's associated with the instance.</li>
<li><code>instanceId</code> - The ID of the instance.</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>
</ul>

@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withFilters",
"setterDocumentation": "/**<p>One or more filters.</p>
<ul>
<li><code>groupId</code> - The ID of a VPC security group that's associated with the instance.</li>
<li><code>instanceId</code> - The ID of the instance.</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>vpc-id</code> - The ID of the VPC that the instance is linked to.</li>
</ul>

@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withFilters",
"getterDocumentation": "/**<p>One or more filters.</p>
<ul>
<li><code>groupId</code> - The ID of a VPC security group that's associated with the instance.</li>
<li><code>instanceId</code> - The ID of the instance.</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

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value</code> - The value of a tag assigned to the resource. This filter is independent of the \(<code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li> <li> <p>@return One or more filters.</p> </li> <li> <p> <code>tag-key</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>tag-instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the \(<code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \(<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \(<code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is linked to.</p> </li>*/

```
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
```
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
}
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> 
</ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> */
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li>
</ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>group-id</code> - The ID of a VPC security group that's associated with the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.</p> </li> */"
a tag assigned to the resource.
</li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key\"="Purpose\" and the filter \"tag-value\"="X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag\</code>:\<i\>key\</i\>=\<i\>value\</i\> filter.
</p></li>
<li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key\"="Purpose\" and the filter \"tag-value\"="X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag\</code>:\<i\>key\</i\>=\<i\>value\</i\> filter.
</p></li>
<li><p><code>vpc-id</code> - The ID of the VPC that the instance is linked to.
</p></li>
<li><p>\<code\>NOTE:\</code\> This method appends the values to the existing list (if any). Use \{ @link #setFilters(java.util.Collection) \} or \{ @link #withFilters(java.util.Collection) \} if you want to override the existing values.</p></li>
<li><p>\<code\>@param filters One or more filters.</code\> - The ID of a VPC security group that's associated with the instance.\</p></li>
<li><p><code>instance-id</code> - The ID of the instance.
</p></li>
<li><p><code>tag\</code>:\<i\>key\</i\>=\<i\>value\</i\> - The key/value combination of a tag assigned to the resource.
</p></li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key\"="Purpose\" and the filter \"tag-value\"="X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag\</code>:\<i\>key\</i\>=\<i\>value\</i\> filter.
</p></li>
<li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key\"="Purpose\" and the filter \"tag-value\"="X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag\</code>:\<i\>key\</i\>=\<i\>value\</i\> filter.
</p></li>
<li><p><code>vpc-id</code> - The ID of the VPC that the instance is linked to.
</p></li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setFilters(java.util.Collection) \} or \{ @link #withFilters(java.util.Collection) \} if you want to override the existing values.</p>

\n
```
\"variable\" : {
   \"variableDeclarationType\" : \"com.amazonaws.internal.SdkInternalList<Filter>\",
   \"variableName\" : \"filters\",
   \"variableType\" : \"java.util.List<Filter>\",
   \"documentation\" : \"One or more filters.\"
}
```

The method appends the values to the existing list (if any). Use \{ @link #setFilters(java.util.Collection) \} or \{ @link #withFilters(java.util.Collection) \} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withInstanceIds",
"getterDocumentation": "/**<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>

@return One or more instance IDs. Must be instances linked to a VPC through ClassicLink.*/",
"getterMethodName": "getInstanceIds",
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n
@return \n
*/",
"getMethod": "getMember",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "complexType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "complexType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "\n@<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>
\n@param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.
*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "\n@<p>One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values.</p>
\n@<param instanceIds One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</param>
\n@<return>Returns a reference to this object so that method calls can be chained together.</return>*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.</p>
", 
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.</p> <p>Constraints: If the value is greater than 1000, we return only 1000 items.</p> 
", 
"enumType" : null,
"fluentSetterDocumentation" : "\nThe maximum number of results to return for the request in a single
The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.\p>\p>\p>Constraint: If the value is greater than 1000, we return only 1000 items.\p>\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.\p>\p>\p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*/

```

"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.\p>\p>\p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.\p>\p>\p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*/

```

```

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.\p>\p>\p>Constraint: If the value is greater than 1000, we return only 1000 items.\n",  "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "NextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The next token to use for the next request. This value is returned in the <code>NextToken</code> field of the response object. Once you receive the value, you can use it in the next request to retrieve the next page of results.\p>\n@param NextToken The next token to use for the next request. This value is returned in the <code>NextToken</code> field of the response object. Once you receive the value, you can use it in the next request to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/

```
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
The token to retrieve the next page of results.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param
nextToken The token to retrieve the next page of results.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "nextToken",  
  "variableType" : "String",  
  "documentation" : "<p>The token to retrieve the next page of results.</p>",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"xmlNameSpaceUri" : null  
},  
"requestSignerAware" : false,  
"requestSignerClassFqn" : null,  
"required" : null,  
"shapeName" : "DescribeClassicLinkInstancesRequest",  
"unmarshaller" : null,  
"variable" : {  
  "variableDeclarationType" : "DescribeClassicLinkInstancesRequest",  
  "variableName" : "describeClassicLinkInstancesRequest",  
  "variableType" : "DescribeClassicLinkInstancesRequest",  
  "documentation" : null,  
  "simpleType" : "DescribeClassicLinkInstancesRequest",  
  "variableSetterType" : "DescribeClassicLinkInstancesRequest"  
},  
"wrapper" : false  
},  
"DescribeClassicLinkInstancesResult" : {  
  "c2jName" : "DescribeClassicLinkInstancesResult",  
  "customization" : {  
    "artificialResultWrapper" : null,  
    "skipGeneratingMarshaller" : false,  
    "skipGeneratingModelClass" : false,  
    "skipGeneratingUnmarshaller" : false  
  },  
  "deprecated" : false,  
  "documentation" : "<p>Contains the output of DescribeClassicLinkInstances.</p>"",  
  "enums" : null,  
  "errorCode" : null,  
  "hasHeaderMember" : false,  
  "hasPayloadMember" : false,  
  "hasStatusCodeMember" : false,  
  "hasStreamingMember" : false,  
  "marshaller" : null,  
  "members" : [ {  
    "c2jName" : "Instances",  
    "c2jShape" : "ClassicLinkInstanceList"  
  }  
}
"deprecated" : false,
"documentation" : "<p>Information about one or more linked EC2-Classic instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>@param instances Information about one or more linked EC2-Classic instances.@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstances",
"getterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>@return Information about one or more linked EC2-Classic instances.*/",
"getterMethodName" : "getInstances",
"getterModel" : {
 "returnType" : "java.util.List<ClassicLinkInstance>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstancesSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instancesSet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "ClassicLinkInstance",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "ClassicLinkInstance",
 "documentation" : null
 },
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ClassicLinkInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"templateType" : "java.util.List<ClassicLinkInstance>",
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>
@param instances Information about one or more linked EC2-Classic instances.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"variableName" : "instances",
"variableType" : "java.util.List<ClassicLinkInstance>",
"documentation" : "",
"simpleType" : "List<ClassicLinkInstance>",
"variableSetterType" : "java.util.Collection<ClassicLinkInstance>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more linked EC2-Classic instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstances(java.util.Collection)} or
{@link #withInstances(java.util.Collection)} if you want to override the existing values.</p>
@param instances Information about one or more linked EC2-Classic instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"variableName" : "instances",
"variableType" : "java.util.List<ClassicLinkInstance>",
"documentation" : "Information about one or more linked EC2-Classic instances.",
"simpleType" : "List<ClassicLinkInstance>",
"variableSetterType" : "java.util.Collection<ClassicLinkInstance>",
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

<code>null</code>
"enumerateType" : null,
"fluentsetterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

<code>null</code> when there are no more results to return."
Returns a reference to this object so that method calls can be chained together. */

"getNextToken": "getNextToken",

"returnType": "String",

"documentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */",

"setNextToken": "setNextToken",

"variableDeclarationType": "String",

"variableName": "nextToken",

"variableType": "String",

"documentation": "",

"simpleType": "String",

"variableSetterType": "String"

",

"varargSetterDocumentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */

"varargSetterDocumentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@return Returns a reference to this object so that method calls can be chained together. */"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Instances" : {
    "c2jName" : "Instances",
    "c2jShape" : "ClassicLinkInstanceList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more linked EC2-Classic instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>Information about one or more linked EC2-Classic instances.</p>\n@param instances Information about one or more linked EC2-Classic instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstances",
    "getterDocumentation" : "/**\n<p>Information about one or more linked EC2-Classic instances.</p>\n@return Information about one or more linked EC2-Classic instances.*/",
    "getterMethodName" : "getInstances",
    "getterModel" : {
      "returnType" : "java.util.List<ClassicLinkInstance>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstancesSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "instancesSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "variableDeclarationType" : "String",
      "variableName" : "nextToken",
      "variableType" : "String",
      "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "ClassicLinkInstance",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "ClassicLinkInstance",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "ClassicLinkInstance",
    "variableName": "member",
    "variableType": "ClassicLinkInstance",
    "documentation": "",
    "simpleType": "ClassicLinkInstance",
    "variableSetterType": "ClassicLinkInstance"
  },
  "simple": false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "ClassicLinkInstance",
  "variableName" : "member",
  "variableType" : "ClassicLinkInstance",
  "documentation" : "",
  "simpleType" : "ClassicLinkInstance",
  "variableSetterType" : "ClassicLinkInstance"
},

"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "ClassicLinkInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ClassicLinkInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
"templateType" : "java.util.List<ClassicLinkInstance>"
},

"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**\p>Information about one or more linked EC2-Classic instances.
\n@param instances Information about one or more linked EC2-Classic instances.\p>\n\n\nsetterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<ClassicLinkInstance>",
  "documentation" : "",
  "simpleType" : "List<ClassicLinkInstance>",
  "variableSetterType" : "java.util.Collection<ClassicLinkInstance>"
},

"simple" : false,
"varargSetterDocumentation" : "/**\p>Information about one or more linked EC2-Classic instances.\p>
\n\nNOTE:\</b> This method appends the values to the existing list (if any). Use { @link #setInstances(java.util.Collection)} or { @link #withInstances(java.util.Collection)} if you want to override the existing values.\p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ClassicLinkInstance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<ClassicLinkInstance>"}
"documentation" : "</p>Information about one or more linked EC2-Classic instances.</p>",
"simpleType" : "List<ClassicLinkInstance>",
"variableSetterType" : "java.util.Collection<ClassicLinkInstance>"
],
"xmlNameSpaceUri" : null
},
"NextToken" : {
 "c2jName" : "NextToken",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "</p>The token to use to retrieve the next page of results. This value is \<code>null\</code> when there are no more results to return.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\<p>The token to use to retrieve the next page of results. This value is \<code>null\</code> when there are no more results to return.\*/\",
 "getterDocumentation" : "/**\<p>The token to use to retrieve the next page of results. This value is \<code>null\</code> when there are no more results to return.\*/\",
 "getterMethodName" : "getNextToken",
 "getterModel" : {
  "returnType" : "String",
  "documentation" : null
 },
 "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "NextToken",
 "setterDocumentation" : "/**\<p>The token to use to retrieve the next page of results. This value is
null when there are no more results to return.

@returns

Returns a reference to this object so that method calls can be chained together.

The token to use to retrieve the next page of results. This value is null when there are no more results to return.

When there are no more results to return.

The token to use to retrieve the next page of results. This value is null when there are no more results to return.

The token to use to retrieve the next page of results. This value is null when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeConversionTasks.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
    "action" : "DescribeConversionTasks",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "c2jName" : "ConversionTaskIds",
        "c2jShape" : "ConversionIdStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more conversion task IDs.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
        @param conversionTaskIds One or more conversion task IDs.
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withConversionTaskIds",
        "getterDocumentation" : "/**<p>One or more conversion task IDs.</p>
        @return One or more conversion task IDs.*/",
        "getterMethodName" : "getConversionTaskIds",
        "getterModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
        },
"marshallLocationName" : "ConversionTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * param member
     * return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * return *
     */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * param member *
     */",
    "setterMethodName" : "withMember",
    "setterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskIds",
"setterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds One or more conversion task IDs.</p>*/
.setterMethodName" : "setConversionTaskIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "conversionTaskIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "conversionTaskIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more conversion task IDs.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "ConversionTaskIds" : {
    "c2jName" : "ConversionTaskIds",
    "c2jShape" : "ConversionIdStringList",
    "deprecated" : false,
    "documentation" : "One or more conversion task IDs.",
    "enumType" : null,
    "fluentSetterDocumentation" : "One or more conversion task IDs.
    @param conversionTaskIds
    One or more conversion task IDs.
    @return
    Returns a reference to this object so that method calls can be chained together.
    ",
    "fluentSetterMethodName" : "withConversionTaskIds",
    "getterDocumentation" : "One or more conversion task IDs.
    @return
    One or more conversion task IDs.
    ",
    "getterMethodName" : "getConversionTaskIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ConversionTaskId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "conversionTaskId",
      "uri" : false
    }
}
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ConversionTaskIds",
"setterDocumentation" : "/**<p>One or more conversion task IDs.</p>
@param conversionTaskIds One or more conversion task IDs.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setConversionTaskIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "conversionTaskIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more conversion task IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setConversionTaskIds(java.util.Collection) } or { @link #withConversionTaskIds(java.util.Collection) } if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together. */"
calls can be chained together. */

"variable" : { 
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "conversionTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more conversion task IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
  "xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeConversionTasksRequest",
"unmarshaller" : null,
"variable" : { 
  "variableDeclarationType" : "DescribeConversionTasksRequest",
  "variableName" : "describeConversionTasksRequest",
  "variableType" : "DescribeConversionTasksRequest",
  "documentation" : null,
  "simpleType" : "DescribeConversionTasksRequest",
  "variableSetterType" : "DescribeConversionTasksRequest"
},
  "wrapper" : false

"DescribeConversionTasksResult" : { 
  "c2jName" : "DescribeConversionTasksResult",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeConversionTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ 
    "c2jName" : "ConversionTasks",
    "c2jShape" : "DescribeConversionTaskList",
    "deprecated" : false,
"documentation" : "<p>Information about the conversion tasks.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the conversion tasks.</p>
@param conversionTasks
Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withConversionTasks",
"getterDocumentation" : "/**<p>Information about the conversion tasks.</p>
@return Information about the conversion tasks.*/",
"getterMethodName" : "getConversionTasks",
"getterModel" : {
  "returnType" : "java.util.List<ConversionTask>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ConversionTasks",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "conversionTasks",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ConversionTask",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return*
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ConversionTask",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "ConversionTask",
    "variableName": "member",
    "variableType": "ConversionTask",
    "documentation": "",
    "simpleType": "ConversionTask",
    "variableSetterType": "ConversionTask"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "ConversionTask",
    "variableName": "member",
    "variableType": "ConversionTask",
    "documentation": "",
    "simpleType": "ConversionTask",
    "variableSetterType": "ConversionTask"
},
"xmlns": null
},
"memberLocationName": "item",
"memberType": "ConversionTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ConversionTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
"templateType" : "java.util.List<ConversionTask>",
"map" : false,
"mapModel" : null,
"name" : "ConversionTasks",
"setterDocumentation" : "/**<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.*/",
"setterMethodName" : "setConversionTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName" : "conversionTasks",
  "variableType" : "java.util.List<ConversionTask>",
  "documentation" : "",
  "simpleType" : "List<ConversionTask>",
  "variableSetterType" : "java.util.Collection<ConversionTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName" : "conversionTasks",
  "variableType" : "java.util.List<ConversionTask>",
  "documentation" : "<p>Information about the conversion tasks.</p">",
  "simpleType" : "List<ConversionTask>",
  "variableSetterType" : "java.util.Collection<ConversionTask>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"ConversionTasks" : {
  "c2jName" : "ConversionTasks",
  "c2jShape" : "DescribeConversionTaskList",
  "deprecated" : false,
  "documentation" : "<p>Information about the conversion tasks.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withConversionTasks",
"getterDocumentation" : "/**<p>Information about the conversion tasks.</p>*/
\n@\n@return Information about the conversion tasks.*/
,"getterMethodName" : "getConversionTasks",
"getterModel" : {
"returnType" : "java.util.List<ConversionTask>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTasks",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTasks",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ConversionTask",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : ""/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/"
,"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@\n@return */
,"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ConversionTask",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ConversionTask",
  "variableName": "member",
  "variableType": "ConversionTask",
  "documentation": "",
  "simpleType": "ConversionTask",
  "variableSetterType": "ConversionTask"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ConversionTask",
  "variableName": "member",
  "variableType": "ConversionTask",
  "documentation": "",
  "simpleType": "ConversionTask",
  "variableSetterType": "ConversionTask"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "ConversionTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ConversionTask",
"variable": {
  "variableDeclarationType": "ConversionTask",
  "variableName": "member",
  "variableType": "ConversionTask",
  "documentation": "",
  "simpleType": "ConversionTask",
  "variableSetterType": "ConversionTask"
},
"memberLocationName": "item",
"memberType": "ConversionTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ConversionTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
"templateType" : "java.util.List<ConversionTask>",
",
"map" : false,
"mapModel" : null,
"name" : "ConversionTasks",
"setterDocumentation" : "/**\n<p>Information about the conversion tasks.</p>
@param conversionTasks Information about the conversion tasks.*/",
"setterMethodName" : "setConversionTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName" : "conversionTasks",
  "variableType" : "java.util.List<ConversionTask>",
  "documentation" : "",
  "simpleType" : "List<ConversionTask>",
  "variableSetterType" : "java.util.Collection<ConversionTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the conversion tasks.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setConversionTasks(java.util.Collection)} or [ @link #withConversionTasks(java.util.Collection)] if you want to override the existing values. </p>
@param conversionTasks Information about the conversion tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ConversionTask>",
  "variableName" : "conversionTasks",
  "variableType" : "java.util.List<ConversionTask>",
  "documentation" : "<p>Information about the conversion tasks.</p>",
  "simpleType" : "List<ConversionTask>",
  "variableSetterType" : "java.util.Collection<ConversionTask>"
},
"xmlNameSpaceUri" : null
},
",
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeConversionTasksResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeConversionTasksResult",
  "variableName" : "describeConversionTasksResult",
  "variableType" : "DescribeConversionTasksResult",
  "documentation" : null,
  "simpleType" : "DescribeConversionTasksResult",
  "variableSetterType" : "List<DescribeConversionTasksResult>",
  "xmlNameSpaceUri" : null
}
"variableSetterType" : "DescribeConversionTasksResult",
},
"wrapper" : false
},
"DescribeCustomerGatewaysRequest" : {
"c2jName" : "DescribeCustomerGatewaysRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for DescribeCustomerGateways.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : {
 "action" : "DescribeCustomerGateways",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
 "members" : [
 {"c2jName" : "CustomerGatewayIds",
 "c2jShape" : "CustomerGatewayIdStringList",
 "deprecated" : false,
 "documentation" : "<p>One or more customer gateway IDs.</p> 
 Default: Describes all your customer gateways.</p> 
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 One or more customer gateway IDs.
 Default: Describes all your customer gateways.</p> 
 @param customerGatewayIds One or more customer gateway IDs.
 Default: Describes all your customer gateways.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withCustomerGatewayIds",
 "getterDocumentation" : "/**
 One or more customer gateway IDs.
 Default: Describes all your customer gateways.
 @return One or more customer gateway IDs.
 Default: Describes all your customer gateways.*/",
 "getterMethodName" : "getCustomerGatewayIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "CustomerGatewayId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CustomerGatewayId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "CustomerGatewayId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "CustomerGatewayId",
    }}}}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "CustomerGatewayId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayIds",
"setterDocumentation" : "/**\n@<p>One or more customer gateway IDs.</p>\n<p>Default: Describes all your customer gateways.</p>\n@<p>One or more customer gateway IDs.</p>\n<p>Default:
Describes all your customer gateways. */

setterMethodName" : "setCustomerGatewayIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "customerGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "*/p>One or more customer gateway IDs. </p> <p>Default: Describes all your customer gateways.\n@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "customerGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more customer gateway IDs. Default: Describes all your customer gateways.\n\n<code>customer-gateway-id</code> - The ID of the customer gateway.\n<code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.\n<code>state</code> - The state of the customer gateway (\n<code>pending</code> | \n<code>available</code> | \n<code>deleting</code> | \n<code>deleted</code>).\n<code>tag:Key</code> - The key of a tag assigned to the resource. This filter is independent of the \n<code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \n<code>tag-value</code> filter.\n<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the \n<code>tag-key</code> filter.\n*/</p>
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**
One or more filters.
<ul>
<li>
<p> bgp-asn</p>
</li>
<li>
<p> customer-gateway-id</p>
</li>
<li>
<p> ip-address</p>
</li>
<li>
<p> state</p>
</li>
<li>
<p> type</p>
</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.*/
<code>tag</code>::<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. This is the customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).<i>li</i> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> <i>li</i> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.</p> <i>li</i> <p> <code>state</code> - The state of the customer gateway (pending | available | deleting | deleted).</p> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is ipsec.1.</p> </li> <i>li</i> <p> <code>tag</code>::<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>purpose=X</code> for the filter value.</p> <i>li</i> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.</p> <i>li</i> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 
*/

"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Filter",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
"variableDeclarationType": "Filter",
"variableName": "member",
"variableType": "Filter",
"documentation": null
}
**Documentation**: 

```
/**
 * One or more filters.
 */

@<param>filters</param> One or more filters.
```
both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.</li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li>
Returns a reference to this object so that method calls can be chained together.*

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters.\n  \n  - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n  - The ID of the customer gateway.\n  - The type of customer gateway. Currently, the only supported type is ipsec.1.\n  - The IP address of the customer gateway's Internet-routable external interface.\n  - The state of the customer gateway. (pending | available | deleting | deleted).\n  - The type of customer gateway. Currently, the only supported type is ipsec.1.\n  - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.\n  - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key\"=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \"tag\":Purpose filter.\n  - The value of a tag assigned to the resource. This filter is independent of the tag-key filter.\n  \n  - Describes all your customer gateways.\n  - Describes all your customer gateway IDs.\n  - Describes all your customer gateways.\n  \n  - withCustomerGatewayIds\n  - getCustomerGatewayIds\n  - getCustomerGatewayIds\n  \n  - Returns a reference to this object so that method calls can be chained together.*

"xmlNameSpaceUri" : null}
],
"membersAsMap" : {
  "CustomerGatewayIds" : {
    "c2jName" : "CustomerGatewayIds",
    "c2jShape" : "CustomerGatewayIdStringList",
    "deprecated" : false,
    "documentation" : "One or more customer gateway IDs.\n  Default: Describes all your customer gateways.\n  \n  - withCustomerGatewayIds\n  - getCustomerGatewayIds\n  - getCustomerGatewayIds\n  \n  - Returns a reference to this object so that method calls can be chained together.*

"enumType" : null,
"fluentSetterDocumentation" : "**@param customerGatewayIds One or more customer gateway IDs.\n  Default: Describes all your customer gateways.\n  \n  - withCustomerGatewayIds\n  - getCustomerGatewayIds\n  - getCustomerGatewayIds\n  \n  - Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withCustomerGatewayIds",
"getterDocumentation" : "**\n  Default: Describes all your customer gateways.\n  \n  - withCustomerGatewayIds\n  - getCustomerGatewayIds\n  - getCustomerGatewayIds\n  \n  - Returns a reference to this object so that method calls can be chained together.*

"getterMethodName" : "getCustomerGatewayIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CustomerGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CustomerGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "CustomerGatewayId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "CustomerGatewayId",
      "uri" : false
    }
  }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "CustomerGatewayId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayIds",
"setterDocumentation" : "/**\n@param customerGatewayIds One or more customer gateway IDs.\n\nDefault: Describes all your customer gateways.\n\n*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"uri" : false
}
Describes all your customer gateways. */

setterMethodName" : "setCustomerGatewayIds",

"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "customerGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
}

"simple" : false,

"varargSetterDocumentation" : "/*<p>One or more customer gateway IDs.</p> <p>Default: Describes all your customer gateways.</p> <b>Note:</b> This method appends the values to the existing list (if any). Use [{@link #setCustomerGatewayIds(java.util.Collection)}] or [{@link #withCustomerGatewayIds(java.util.Collection)}] if you want to override the existing values.</p>\n@param customerGatewayIds One or more customer gateway IDs.</p>

p> Default: Describes all your customer gateways.\n@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "customerGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more customer gateway IDs.
    p>Default: Describes all your customer gateways.
    </p>

"Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "\n    ul
    li
    \n    code:bgp-asn\n    - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
    li
    \n    code:customer-gateway-id\n    - The ID of the customer gateway.
    li
    \n    code:ip-address\n    - The IP address of the customer gateway's Internet-routable external interface.
    li
    \n    code:state\n    - The state of the customer gateway (\n    code:pending\n    | \n    code:available\n    | \n    code:deleting\n    | \n    code:deleted\n    ).
    li
    \n    code:type\n    - The type of customer gateway. Currently, the only supported type is \n    code:ipsec.1\n    .
    li
    \n    code:tag\n    :\n    <i>key</i>=\n    <i>value</i>\n    - The key/value combination of a tag assigned to the resource. Specifying the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \n    code:tag:Purpose\n    for the filter name and \n    code:X\n    for the filter value.
    li
    \n    code:tag-key\n    - The key of a tag assigned to the resource. This filter is independent of the \n    code:tag-value\n    filter. For example, if you use both the filter \n    "tag-key=Purpose\"\n    and the filter \n    "tag-value=X\"\n    , you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the \n    code:tag\n    :\n    <i>key</i>=\n    <i>value</i>\n    filter.
    li
    \n    code:tag-value\n    - The value of a tag assigned to the resource. This filter is independent of the \n    code:tag-key\n    filter.
    li
    \n    ul\n    "}
"enumType" : null,

"fluentSetterDocumentation" : "/*\*\*<p>One or more filters.</p> <ul>
<li> <code>customer-gateway-id</code> - The ID of the customer gateway. </li>
<li> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface. </li>
<li> <code>state</code> - The state of the customer gateway. </li>
<li> <code>deleting</code> - The type of customer gateway. </li>
</ul>

Currently, the only supported type is <code>ipsec.1</code>.<p> </p>

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>:X</code> for the filter value.<p> </p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>

<code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface. </li>
<li> <code>state</code> - The state of the customer gateway. </li>
</ul>

*param filters One or more filters.<p> </p>

<code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).<p> </p>
<code>customer-gateway-id</code> - The ID of the customer gateway. </li>
<code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface. </li>
<code>state</code> - The state of the customer gateway. </li>
</ul>

Currently, the only supported type is <code>ipsec.1</code>.<p> </p>

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>:X</code> for the filter value.<p> </p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>

@return Returns a reference to this object so that method calls can be chained together.*"",

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/*\*\*<p>One or more filters.
<code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN). </p>
<code>customer-gateway-id</code> - The ID of the customer gateway. </p>
<code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface. </p>
<code>state</code> - The state of the customer gateway. </p>
</ul>

Currently, the only supported type is <code>ipsec.1</code>.<p> </p>

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>:X</code> for the filter value.<p> </p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If the tag is X, the filter \"tag-value=X\" will be satisfied.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If the tag is X, the filter \"tag-value=X\" will be satisfied.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If the tag is X, the filter \"tag-value=X\" will be satisfied.

<code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface. </p>
<code>state</code> - The state of the customer gateway. </li>
</ul>

Currently, the only supported type is <code>ipsec.1</code>.<p> </p>

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>:X</code> for the filter value.<p> </p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If the tag is X, the filter \"tag-value=X\" will be satisfied.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If the tag is X, the filter \"tag-value=X\" will be satisfied.
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

\[<code>tag</code>:<code>:key</code>=<code>:value</code>\] filter. \(</li> <li> \(</p> \(<p> <code>tag-value</code>\) - The value of a
tag assigned to the resource. This filter is independent of the 
\(<code>tag-key</code>\) filter. \(</li> \(<p> \ln@return 
One or more filters. \(</ul> <ul> <li> \(</p> \(<p> <code>bgp-asn</code>\) - The customer gateway's 
Border Gateway Protocol (BGP) Autonomous System Number (ASN). \(</li> \(<p> <code>state</code>\) - The state of the customer gateway
\(<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>\). \(</li> \(<p> <code>ip-address</code>\) - The IP address of the customer gateway's
Internet-routable external interface. \(</li> \(<p> <code>state</code>\) - The state of the customer gateway
\(<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>\). \(</li> \(<p> <code>ipsec.1</code>\) - The key/value
combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in
the filter value. For example, for the tag Purpose=X, specify \(<code>tag:Purpose</code>\) for the filter name and
\(<code>X</code>\) for the filter value. 
\(</li> \(<p> <code>tag-key</code>\) - The key of a tag assigned to the
resource. This filter is independent of the 
\(<code>tag-value</code>\) filter. For example, if you use both the filter
\("tag-key=Purpose\" and the filter \("tag-value=X\"\), you get any resources assigned both the tag key Purpose
(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list
only resources where Purpose is X, see the 
\(<code>tag</code>:<code>:key</code>=<code>:value</code>\) filter. \(</li> \(<p> <code>tag-value</code>\) - The value of a tag assigned to the resource. This filter is independent of the 
\(<code>tag-key</code>\) filter. \(</li> \(<p> */","getterMethodName" : "getFilters",
"getterModel" : { 
"returnType" : "java.util.List<Filter>",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false 
},
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : { 
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
:returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> 
</ul>
@param filters One or more filters.</param> <ul> <li> <p> <code>bgp-asn</code> - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.</p> </li> <li> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.</p> </li> <li> <p> <code>state</code> - The state of the customer gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>type</code> - The type of customer gateway. Currently, the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> 
</ul>

</code>
assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. If you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. If you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.\n<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> filter. - The value of a 
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.\n</li>\n<li> <p> <code>bgp-asn</code> - The customer 
gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).\n</li>\n<li> <p> <code>customer-gateway-id</code> - The ID of the customer gateway.\n</li>\n<li> <p> <code>ip-address</code> - The IP address of the customer gateway's Internet-routable external interface.\n</li>\n<li> <p> <code>state</code> - The state of the customer gateway (\n<code>pending</code> | \n<code>available</code> | \n<code>deleting</code> | \n<code>deleted</code>).\n</li>\n<li> <p> <code>type</code> - The type of customer 
gateway. Currently, the only supported type is <code>ipsec.1</code>.\n</li>\n<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.\n</li>\n<li> <p> <code>tag-value</code> - The value of a 
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.\n"simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
    },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeCustomerGatewaysRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeCustomerGatewaysRequest",
    "variableName" : "describeCustomerGatewaysRequest",
    "variableType" : "DescribeCustomerGatewaysRequest",
    "documentation" : null,
    "simpleType" : "DescribeCustomerGatewaysRequest",
    "variableSetterType" : "DescribeCustomerGatewaysRequest"
    },
  "wrapper" : false
},
"DescribeCustomerGatewaysResult" : {
  "c2jName" : "DescribeCustomerGatewaysResult",
  "customization" : {
    "artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeCustomerGateways.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
 "c2jName" : "CustomerGateways",
 "c2jShape" : "CustomerGatewayList",
 "deprecated" : false,
 "documentation" : "<p>Information about one or more customer gateways.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**
 * Information about one or more customer gateways.
 */
 @param
 customerGateways Information about one or more customer gateways.
 @return Returns a reference to this object so that method calls can be chained together.
 */",
 "fluentSetterMethodName" : "withCustomerGateways",
 "getterDocumentation" : "/**
 * Information about one or more customer gateways.
 */
 @return Information about one or more customer gateways.
",
 "getterMethodName" : "getCustomerGateways",
 "getterModel" : {
 "returnType" : "java.util.List<CustomerGateway>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "CustomerGatewaySet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "customerGatewaySet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "CustomerGateway",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  @param member
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
  @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "CustomerGateway",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
  @param member
  */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "CustomerGateway",
  "documentation" : "",
  "simpleType" : "CustomerGateway",
  "variableSetterType" : "CustomerGateway"
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "CustomerGateway",
 "variableName" : "member",
 "variableType" : "CustomerGateway",
 "documentation" : "",
 "simpleType" : "CustomerGateway",
 "variableSetterType" : "CustomerGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "CustomerGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "CustomerGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"templateType" : "java.util.List<CustomerGateway>
},
"map" : false,
"mapModel" : null,
"name" : "CustomerGateways",
"setterDocumentation" : "/**
<p>Information about one or more customer gateways.</p>
@param customerGateways Information about one or more customer gateways.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setCustomerGateways",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
 "variableName" : "customerGateways",
 "variableType" : "java.util.List<CustomerGateway>",
 "documentation" : "",
 "simpleType" : "List<CustomerGateway>",
 "variableSetterType" : "java.util.Collection<CustomerGateway>
"},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about one or more customer gateways.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setCustomerGateways(java.util.Collection)} or { @link #withCustomerGateways(java.util.Collection)} if you want to override the existing values.
@param customerGateways Information about one or more customer gateways.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
 "variableName" : "customerGateways",
"simple" : false,
"variableType" : "java.util.List<CustomerGateway>",
"documentation" : "<p>Information about one or more customer gateways.</p>",
"simpleType" : "List<CustomerGateway>",
"variableSetterType" : "java.util.Collection<CustomerGateway>
}
],
"xmlNameSpaceUri" : null
}
}
"membersAsMap" : {
  "CustomerGateways" : {
"c2jName" : "CustomerGateways",
"c2jShape" : "CustomerGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about one or more customer gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@param 
customerGateways Information about one or more customer gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGateways",
"getterDocumentation" : "/**<p>Information about one or more customer gateways.</p>
@return Information about one or more customer gateways.*/",
"getterMethodName" : "getCustomerGateways",
"getterModel" : {
"returnType" : "java.util.List<CustomerGateway>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "CustomerGateway"
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "CustomerGateway",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
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"setterModel": {
"variableDeclarationType": "CustomerGateway",
"variableName": "member",
"variableType": "CustomerGateway",
"documentation": "",
"simpleType": "CustomerGateway",
"variableSetterType": "CustomerGateway"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "CustomerGateway"
"variableName": "member",
"variableType": "CustomerGateway",
"documentation": "",
"simpleType": "CustomerGateway",
"variableSetterType": "CustomerGateway"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "CustomerGateway",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "CustomerGateway",
"templateImplType": "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"templateType": "java.util.List<CustomerGateway>"
},
"map": false,
"mapModel": null,
"name": "CustomerGateways",
"setterDocumentation": "/**<p>Information about one or more customer gateways.</p>
@param customerGateways Information about one or more customer gateways.*\n@param customerGateways Information about one or more customer gateways.*\n@param customerGateways Information about one or more customer gateways.*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"setterMethodName": "setCustomerGateways",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"variableName": "customerGateways",
"variableType": "java.util.List<CustomerGateway>",
"documentation": "",
"simpleType": "List<CustomerGateway>",
"variableSetterType": "java.util.Collection<CustomerGateway>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more customer gateways.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setCustomerGateways(java.util.Collection)} or { @link #withCustomerGateways(java.util.Collection)} if you want to override the existing values.<p>\n@param customerGateways Information about one or more customer gateways.<p>\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<CustomerGateway>",
"variableName": "customerGateways",
"variableType": "java.util.List<CustomerGateway>",
"documentation": "",
"simpleType": "List<CustomerGateway>",
"variableSetterType": "java.util.Collection<CustomerGateway>"
},
"xmlns:NameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeCustomerGatewaysResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeCustomerGatewaysResult",
  "variableName" : "describeCustomerGatewaysResult",
  "variableType" : "DescribeCustomerGatewaysResult",
  "documentation" : null,
  "simpleType" : "DescribeCustomerGatewaysResult",
  "variableSetterType" : "DescribeCustomerGatewaysResult"
},
"wrapper" : false
},
"DescribeDhcpOptionsRequest" : {
  "c2jName" : "DescribeDhcpOptionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeDhcpOptions.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeDhcpOptions",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlns:NameSpaceUri" : null
  },
  "members" : [
    {"c2jName" : "DhcpOptionsIds",
    "c2jShape" : "DhcpOptionsIdStringList"}]
}
The IDs of one or more DHCP options sets.

Default: Describes all your DHCP options sets.

return

Returns a reference to this object so that method calls can be chained together.

The IDs of one or more DHCP options sets.

return

The IDs of one or more DHCP options sets.

getDhcpOptionsIds

getMember

"member"

"String"

"String"

"String"

"getMember"

"withMember"
"memberLocationName" : "DhcpOptionsId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"name" : "DhcpOptionsIds",
"setterDocumentation" : "/*\*\pnThe IDs of one or more DHCP options sets.\p*/\n\p(Default: Describes all your DHCP options sets.)\n\n\p@param dhcpOptionsIds The IDs of one or more DHCP options sets.\n\pDEFAULT: Describes all your DHCP options sets.*/",
"setterMethodName" : "setDhcpOptionsIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "dhcpOptionsIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"setterDocumentation" : "/*\*\pnThe IDs of one or more DHCP options sets.\p*/\n\p(Default: Describes all your DHCP options sets.)\n\n\p@NOTE: This method appends the values to the existing list (if any). Use \{@link #setDhcpOptionsIds(java.util.Collection)\} or \{@link #withDhcpOptionsIds(java.util.Collection)\} if you want to override the existing values.\n\n\p@param dhcpOptionsIds The IDs of one or more DHCP options sets.\n\pDEFAULT: Describes all your DHCP options sets.\n\p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "dhcpOptionsIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of one or more DHCP options sets."
},
"varargSetterDocumentation" : "/*\*\pnThe IDs of one or more DHCP options sets.\p*/\n\p(Default: Describes all your DHCP options sets.)\n\n\p@NOTE: This method appends the values to the existing list (if any). Use \{@link #setDhcpOptionsIds(java.util.Collection)\} or \{@link #withDhcpOptionsIds(java.util.Collection)\} if you want to override the existing values.\n\n\p@param dhcpOptionsIds The IDs of one or more DHCP options sets.\n\pDEFAULT: Describes all your DHCP options sets.\n\p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "dhcpOptionsIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of one or more DHCP options sets."
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation": "<p>One or more filters.</p> <ul> <li> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</li> <li> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</li> <li> <code>value</code> - The value for one of the options.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> </ul>
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together."",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</li> <li> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</li> <li> <code>value</code> - The value for one of the options.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> </ul>
@returns Returns a reference to this object so that method calls can be chained together."*/

"FluentSetterMethodName": "withFilters",
"getterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</li> <li> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>).</li> <li> <code>value</code> - The value for one of the options.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the
tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

```<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 
</li> ...

/*
* 
* @param member "returns a reference to this object so that method calls can be chained together."*/
*/
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> */", "setterMethodName" : "setFilters", "setterModel" : { "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>"", "variableName" : "filters", "variableType" : "java.util.List<Filter>", "documentation" : ""
null
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DhcpOptionsId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "String"
}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "DhcpOptionsId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsIds",
"setterDocumentation" : "/**<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>*/
@param dhcpOptionsIds The IDs of one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDhcpOptionsIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "dhcpOptionsIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setDhcpOptionsIds(java.util.Collection)} or { @link #withDhcpOptionsIds(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpOptionsIds The IDs of one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "dhcpOptionsIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of one or more DHCP options sets.</p> <p>Default: Describes all your DHCP options sets.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setDhcpOptionsIds(java.util.Collection)} or { @link #withDhcpOptionsIds(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpOptionsIds The IDs of one or more DHCP options sets.
@return Returns a reference to this object so that method calls can be chained together.*/"},
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
],
"xmlNameSpaceUri" : null
},
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters</p>\n<ul>\n<li><p><code>dhcp-options-id</code></p> - The ID of a set of DHCP options.</li>\n<li><p><code>key</code></p> - The key for one of the options (for example, <code>domain-name</code>).\n</li>\n<li><p><code>value</code></p> - The value for one of the options.</li>\n</ul> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose=X</code> for the filter value.</li>\n</ul> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter.</li>\n</ul> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-value=X" and the filter "tag-key=Purpose", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-key</code> filter.

/**\n<p>One or more filters</p>\n<ul>\n<li><code>dhcp-options-id</code> - The ID of a set of DHCP options.</li>\n<li><code>key</code> - The key for one of the options (for example, <code>domain-name</code>).\n</li>\n<li><code>value</code> - The value for one of the options.</li>\n</ul> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose=X</code> for the filter value.</li>\n</ul> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-value=X" and the filter "tag-key=Purpose", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-key</code> filter.

*/
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.
*/
"fluentSetterMethodName" : "withFilters"
"getterDocumentation" : "One or more filters.

- `<code>dhcp-options-id</code>` - The ID of a set of DHCP options.
- `<code>key</code>` - The key for one of the options (for example, `<code>domain-name</code>`).
- `<code>value</code>` - The value for one of the options.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

If you want to list only resources where `Purpose` is `X`, see the `<code>tag</code>` filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag</code>` filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag</code>` filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag</code>` filter.

"getterMethodName" : "getFilters",

"getterModel" : {
"returnType" : "com.amazonaws.internal.SdkInternalList",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isStreaming" : false,
"location" : null,
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"unmarshallLocationName" : "Filter",
"uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},

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"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "Filter",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n   * @return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "Filter",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**\n   * @param member */",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "Filter",
    "documentation": "",
    "simpleType": "Filter",
    "variableSetterType": "Filter"
  },
  "simple": false,
"varargSetterDocumentation" : "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> 
<ul> 
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> 
<li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). 
</p> </li> 
<li> <p> <code>value</code> - The value for one of the options.</p> </li> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the
tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter. </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use 
{@link #setFilters(java.util.Collection)} or 
{@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
</ul>

"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more filters.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
        "variableName" : "filters",
        "variableType" : "java.util.List<Filter>",
        "documentation" : "The ID of a set of DHCP options.",
        "simpleType" : "List<Filter>",
        "variableSetterType" : "java.util.Collection<Filter>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/*<p>One or more filters.</p> <ul> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p> </li> <li> <p> <code>key</code> - The key for one of the options (for example, <code>domain-name</code>). </p> </li> <li> <p> <code>value</code> - The value for one of the options. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code> filter. Returns a reference to this object so that method calls can be chained together.*/"
resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
"c2jShape" : "DhcpOptionsList",
"deprecated" : false,
"documentation" : "<p>Information about one or more DHCP options sets.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param dhcpOptions Information about one or more DHCP options sets.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptions",
"getterDocumentation" : "/**\n@return Information about one or more DHCP options sets.*/",
"getterMethodName" : "getDhcpOptions",
"getterModel" : {
  "returnType" : "java.util.List<DhcpOptions>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpOptionsSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DhcpOptions",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "getterDocumentation" : "/**\n@return member Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DhcpOptions",
      "documentation" : "",
    }
  }
}
"memberLocationName" : "item",
"memberType" : "DhcpOptions",

"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},

"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},

"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "DhcpOptions", 

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethod_Name" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},

"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "DhcpOptions",
  "variableName" : "member",
  "variableType" : "DhcpOptions",
  "documentation" : "",
  "simpleType" : "DhcpOptions",
  "variableSetterType" : "DhcpOptions"
},

"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "DhcpOptions", 

"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpOptions",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"templateType" : "java.util.List<DhcpOptions>"
},
"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "/**\n@param dhcpOptions Information about one or more DHCP options sets.*/

setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param dhcpOptions Information about one or more DHCP options sets.*/

Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "Information about one or more DHCP options sets.\n  **\n  simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
}].

"membersAsMap" : {
  "DhcpOptions" : {
    "c2jName" : "DhcpOptions",
    "c2jShape" : "DhcpOptionsList",
    "deprecated" : false,
    "documentation" : "Information about one or more DHCP options sets.\n  **\n  enumType" : null,
    "fluentSetterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

"setterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "Information about one or more DHCP options sets.\n  **\n  simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
]}].

"membersAsMap" : {
  "DhcpOptions" : {
    "c2jName" : "DhcpOptions",
    "c2jShape" : "DhcpOptionsList",
    "deprecated" : false,
    "documentation" : "Information about one or more DHCP options sets.\n  **\n  enumType" : null,
    "fluentSetterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

"setterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

setterMethodName" : "setDhcpOptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "",
  "simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n  Information about one or more DHCP options sets.*/

Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
  "variableName" : "dhcpOptions",
  "variableType" : "java.util.List<DhcpOptions>",
  "documentation" : "Information about one or more DHCP options sets.\n  **\n  simpleType" : "List<DhcpOptions>",
  "variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
}].

"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpOptions",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"templateType" : "java.util.List<DhcpOptions>"
dhcpOptions Information about one or more DHCP options sets. 

/**
 * @return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withDhcpOptions",
"getterDocumentation" : "/**<p>Information about one or more DHCP options sets.</p>
@return Information about one or more DHCP options sets.*/",
"getterMethodName" : "getDhcpOptions",
"getterModel" : {
"returnType" : "java.util.List<DhcpOptions>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpOptionsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "DhcpOptions",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "DhcpOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DhcpOptions",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"templateType" : "java.util.List<DhcpOptions>",

"map" : false,
"mapModel" : null,
"name" : "DhcpOptions",
"setterDocumentation" : "\n\n@param dhcpOptions Information about one or more DHCP options sets.
\n@<param>Information about one or more DHCP options sets.*"/",
"setterMethodName" : "setDhcpOptions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"variableName" : "dhcpOptions",
"variableType" : "java.util.List<DhcpOptions>",
"documentation" : "",
"simpleType" : "List<DhcpOptions>",
"variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"simple" : false,
"varargSetterDocumentation" : "\n\n@param dhcpOptions Information about one or more DHCP options sets.
\n@<param>Information about one or more DHCP options sets.*"/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpOptions>",
"variableName" : "dhcpOptions",
"variableType" : "java.util.List<DhcpOptions>",
"documentation" : "Information about one or more DHCP options sets.\n<param>Information about one or more DHCP options sets.*"/",
"simpleType" : "List<DhcpOptions>",
"variableSetterType" : "java.util.Collection<DhcpOptions>"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeDhcpOptionsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeDhcpOptionsResult",
"variableName" : "describeDhcpOptionsResult",
"variableType" : "DescribeDhcpOptionsResult",
"xmlNameSpaceUri" : null}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayIds",
"setterDocumentation": "/**\nOne or more egress-only Internet gateway IDs.*/",
"setterMethodName": "setEgressOnlyInternetGatewayIds"
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "egressOnlyInternetGatewayIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>",
  "simple": false,
  "varargSetterDocumentation": "/**\n   * One or more egress-only Internet gateway IDs.\n   * <p>NOTE:</p> This method appends the values to the existing list (if any). Use { @link 
   * setEgressOnlyInternetGatewayIds(java.util.Collection)} or { @link 
   * withEgressOnlyInternetGatewayIds(java.util.Collection)} if you want to override the existing
   * values.\n   * @param egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "egressOnlyInternetGatewayIds",
    "variableType": "java.util.List<String>",
    "documentation": "One or more egress-only Internet gateway IDs.",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
  },
  "xmlNameSpaceUri": null,
},
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned."
},
"enumType": null,
"fluentSetterDocumentation": "/**\n   * The maximum number of results to return for the request in a single page. The remaining
   * results can be seen by sending another request with the returned <code>NextToken</code> value. This
   * value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only
   * 1000 results are returned.\n   * @param maxResults The maximum number of results to return for the request in a single
   * page. The remaining results can be seen by sending another request with the returned
   * <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value
   * larger than 1000, only 1000 results are returned.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMaxResults",
"getterDocumentation": "/**\n   * The maximum number of results to return for the request in a single page. The remaining
   * results can be seen by sending another request with the returned <code>NextToken</code> value. This
   * value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
   * are returned.\n   * @return The maximum number of results to return for the request in a single page. The
   * remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
   * value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
   * are returned.\n   * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMaxResults",
"xmlNameSpaceUri": null}
are returned.*/",
    "getterMethodName" : "getMaxResults",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "MaxResults",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "MaxResults",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "MaxResults",
    "setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned.&lt;/p&gt;&lt;p&gt;\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned.&lt;/p&gt;*/
   ",
    "setterMethodName" : "setMaxResults",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "maxResults",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned.&lt;/p&gt;\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;NextToken&lt;/code&gt; value. This value can be between 5 and 1000; if &lt;code&gt;MaxResults&lt;/code&gt; is given a value larger than 1000, only 1000 results are returned.&lt;/p&gt;*/
    "
The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.

```java
public class Page { public void setMaxResults(int maxResults) {
  this.maxResults = maxResults;
}
```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.<\/p>@param nextToken The
token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.<\/p>@param nextToken
The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EgressOnlyInternetGatewayIds" : {
    "c2jName" : "EgressOnlyInternetGatewayIds",
    "c2jShape" : "EgressOnlyInternetGatewayIdList",
    "deprecated" : false,
    "documentation" : "<p>One or more egress-only Internet gateway IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more egress-only Internet gateway IDs.\n@returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withEgressOnlyInternetGatewayIds",
    "getterDocumentation" : "/**<p>One or more egress-only Internet gateway IDs.\n@return One or more
egress-only Internet gateway IDs.*/",
    "getterMethodName" : "getEgressOnlyInternetGatewayIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EgressOnlyInternetGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EgressOnlyInternetGatewayId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "EgressOnlyInternetGatewayId",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n         *\n         *\n         * @param member \n         * @return Returns a reference to this object so that method calls can be chained together.*\n         */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n         *\n         * @return *\n         */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "uri" : "EgressOnlyInternetGatewayId"
        }
    }
},
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "EgressOnlyInternetGatewayId",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n         *\n         * @param member \n         * @return Returns a reference to this object so that method calls can be chained together.*\n         */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n         *\n         * @return *\n         */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "EgressOnlyInternetGatewayId",
            "queryString" : false,
            "statusCode" : false,
            "uri" : null
        }
    }
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayIds",
"setterDocumentation" : "/**\nOne or more egress-only Internet gateway IDs.
*/\n@param
egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.

 setterMethodName" : "setEgressOnlyInternetGatewayIds",
 "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "egressOnlyInternetGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>One or more egress-only Internet gateway
IDs.</p>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setEgressOnlyInternetGatewayIds(java.util.Collection)} or {@link
#withEgressOnlyInternetGatewayIds(java.util.Collection)} if you want to override the existing
values.</p>
@param egressOnlyInternetGatewayIds One or more egress-only Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/

 variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "egressOnlyInternetGatewayIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more egress-only Internet gateway IDs.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
 },
 "xmlNameSpaceUri" : null
 },
 "MaxResults" : {
 "c2jName" : "MaxResults",
 "c2jShape" : "Integer",
 "deprecated" : false,
 "documentation" : "The maximum number of results to return for the request in a single page. The
remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.</p>

 enumType" : null,
 "fluentSetterDocumentation" : "The maximum number of results to return for the request in a single
page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value.
This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.</p>

@link
#withMaxResults\n@return Returns a reference to this object so that method calls can be chained together.*/

 "fluentSetterMethodName" : "withMaxResults",
 "getterDocumentation" : "The maximum number of results to return for the request in a single page.
The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This
value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.

"getterMethodName" : "getMaxResults",
 "getterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "maxResults",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
 },
 "simple" : false,
 "varargSetterDocumentation" : "The maximum number of results to return for the request in a single
page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value.
This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results
are returned.*/

"varargSetterMethodName" : "withMaxResults",
 anonymousProperties : ["MaxResults", "MaxResults"]
}
The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned.*/",

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned.</p>"*/",

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single
The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. </p>

@<code>param</code> maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.</p>

@<code>param</code> nextToken Returns a reference to this object so that method calls can be chained together. */

```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.""/

  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to retrieve the next page of results.""/

  "enumType" : null,
  "fluentSetterDocumentation" : "The token to retrieve the next page of results.""/""*/

  "getterDocumentation" : "The token to retrieve the next page of results.""/""*/

  "getterMethodDocumentation" : "The token to retrieve the next page of results.""/""*/

  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
```
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The
token to retrieve the next page of results.
@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeEgressOnlyInternetGatewaysRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeEgressOnlyInternetGatewaysRequest",
  "variableName" : "describeEgressOnlyInternetGatewaysRequest",
  "variableType" : "DescribeEgressOnlyInternetGatewaysRequest",
  "documentation" : "null",
  "simpleType" : "DescribeEgressOnlyInternetGatewaysRequest",
  "variableSetterType" : "DescribeEgressOnlyInternetGatewaysRequest"}
"variableDeclarationType": "EgressOnlyInternetGateway",
"variableName": "member",
"variableType": "EgressOnlyInternetGateway",
"documentation": "",
"simpleType": "EgressOnlyInternetGateway",
"variableSetterType": "EgressOnlyInternetGateway"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "EgressOnlyInternetGateway",
"variableName": "member",
"variableType": "EgressOnlyInternetGateway",
"documentation": "",
"simpleType": "EgressOnlyInternetGateway",
"variableSetterType": "EgressOnlyInternetGateway"
},
"namespaceUri": null
},
"memberLocationName": "item",
"memberType": "EgressOnlyInternetGateway",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "EgressOnlyInternetGateway",
"templateImplType": "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
"templateType": "java.util.List<EgressOnlyInternetGateway>
},
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGateways",
"setterDocumentation": "/**<p>Information about the egress-only Internet gateways.</p>
@param egressOnlyInternetGateways Information about the egress-only Internet gateways.</p>
@returns
A reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEgressOnlyInternetGateways",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
"variableName": "egressOnlyInternetGateways",
"variableType": "java.util.List<EgressOnlyInternetGateway>",
"documentation": "",
"simpleType": "List<EgressOnlyInternetGateway>",
"variableSetterType": "java.util.Collection<EgressOnlyInternetGateway>
}
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the egress-only Internet
This method appends the values to the existing list (if any). Use 'setEgressOnlyInternetGateways(java.util.Collection)' or 'withEgressOnlyInternetGateways(java.util.Collection)' if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together.

**NOTE:** This method appends the values to the existing list (if any). Use 'setEgressOnlyInternetGateways(java.util.Collection)' or 'withEgressOnlyInternetGateways(java.util.Collection)' if you want to override the existing values.

### egressOnlyInternetGateways

Information about the egress-only Internet gateways.

- **variable**
  - **variableDeclarationType**: com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>
  - **variableName**: egressOnlyInternetGateways
  - **variableType**: java.util.List<EgressOnlyInternetGateway>
  - **documentation**: Information about the egress-only Internet gateways.
  - **simpleType**: List<EgressOnlyInternetGateway>
  - **variableSetterType**: java.util.Collection<EgressOnlyInternetGateway>

- **getterDocumentation**
  - **getterMethodName**: getNextToken
  - **getterModel**
    - **returnType**: String

- **http**
  - **additionalMarshallingPath**: null
  - **additionalUnmarshallingPath**: null
  - **flattened**: false
  - **greedy**: false
  - **header**: false
  - **isPayload**: false
  - **isStreaming**: false
  - **location**: null
  - **marshallLocationName**: NextToken
  - **queryString**: false
  - **statusCode**: false
  - **unmarshallLocationName**: nextToken
  - **uri**: false

- **idempotencyToken**: false
  - **list**: false
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EgressOnlyInternetGateways" : {
    "c2jName" : "EgressOnlyInternetGateways",
    "c2jShape" : "EgressOnlyInternetGatewayList",
    "deprecated" : false,
    "documentation" : "<p>Information about the egress-only Internet gateways.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the egress-only Internet gateways.</p>
@param egressOnlyInternetGateways Information about the egress-only Internet gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEgressOnlyInternetGateways",
    "getterDocumentation" : "/**<p>Information about the egress-only Internet gateways.</p>
@return Information about the egress-only Internet gateways.*/",
    "getterMethodName" : "getEgressOnlyInternetGateways",
    "getterModel" : {
      "returnType" : "java.util.List<EgressOnlyInternetGateway>",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "EgressOnlyInternetGateway",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
        @param member 
        @return Returns a reference to this object so that
        method calls can be chained together.*\/
        ",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n        @return */",
    "getMethodName" : "getMember",
    "getModel" : {
      "returnType" : "EgressOnlyInternetGateway",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "EgressOnlyInternetGateway",
  "variableName": "member",
  "variableType": "EgressOnlyInternetGateway",
  "documentation": "",
  "simpleType": "EgressOnlyInternetGateway",
  "variableSetterType": "EgressOnlyInternetGateway"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "EgressOnlyInternetGateway",
  "variableName": "member",
  "variableType": "EgressOnlyInternetGateway",
  "documentation": "",
  "simpleType": "EgressOnlyInternetGateway",
  "variableSetterType": "EgressOnlyInternetGateway"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "EgressOnlyInternetGateway",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "EgressOnlyInternetGateway",
"templateImplType": "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
"templateType": "java.util.List<EgressOnlyInternetGateway>"
},
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGateways",
"setterDocumentation": "/**
<p>Information about the egress-only Internet gateways.</p>
@param egressOnlyInternetGateways Information about the egress-only Internet gateways.</p>
*/
@param egressOnlyInternetGateways Information about the egress-only Internet gateways.*/",
"setterMethodName": "setEgressOnlyInternetGateways"}
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
  "variableName" : "egressOnlyInternetGateways",
  "variableType" : "java.util.List<EgressOnlyInternetGateway>",
  "documentation" : "",
  "simpleType" : "List<EgressOnlyInternetGateway>",
  "variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\* Information about the egress-only Internet gateways.\n\nNOTE:\b This method appends the values to the existing list (if any). Use [@link \#setEgressOnlyInternetGateways(java.util.Collection)] or [@link \#withEgressOnlyInternetGateways(java.util.Collection)] if you want to override the existing values.\n\n@param egressOnlyInternetGateways Information about the egress-only Internet gateways.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<EgressOnlyInternetGateway>",
  "variableName" : "egressOnlyInternetGateways",
  "variableType" : "java.util.List<EgressOnlyInternetGateway>",
  "documentation" : "Information about the egress-only Internet gateways.",
  "simpleType" : "List<EgressOnlyInternetGateway>",
  "variableSetterType" : "java.util.Collection<EgressOnlyInternetGateway>",
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\* The token to use to retrieve the next page of results.\n\n@param nextToken The token to use to retrieve the next page of results.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**\* The token to use to retrieve the next page of results.\n\n@return The token to use to retrieve the next page of results.
\n@return The token to use to retrieve the next page of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
  },
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeEgressOnlyInternetGatewaysResult",
"unmarshallers" : {
  "flattened" : false,
  "resultWrapper" : null
}
variable" : {
    "variableDeclarationType" : "DescribeEgressOnlyInternetGatewaysResult",
    "variableName" : "describeEgressOnlyInternetGatewaysResult",
    "variableType" : "DescribeEgressOnlyInternetGatewaysResult",
    "documentation" : null,
    "simpleType" : "DescribeEgressOnlyInternetGatewaysResult",
    "variableSetterType" : "DescribeEgressOnlyInternetGatewaysResult"
},
"wrapper" : false
},
"DescribeExportTasksRequest" : {
    "c2jName" : "DescribeExportTasksRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeExportTasks.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeExportTasks",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [{
        "c2jName" : "ExportTaskIds",
        "c2jShape" : "ExportTaskIdStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more export task IDs.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n*p>One or more export task IDs.</p>\n@param exportTaskIds One or more export task IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withExportTaskIds",
        "getterDocumentation" : "/**\n*p>One or more export task IDs.</p>\n@return One or more export task IDs.*/",
        "getterMethodName" : "getExportTaskIds",
        "getterModel" : {
            "returnType" : "java.util.List<String>"
        },
        "name" : "ExportTaskIds",
        "type" : "com.amazonaws.services.ec2.model.ExportTaskIdStringList",
        "xmlName" : null
    }]
}
"statusCode" : false,
"unmarshallLocationName" : "ExportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ExportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ExportTaskIds"
"setterDocumentation" : "/**<p>One or more export task IDs.</p>**/
@param exportTaskIds One or more export task IDs. */",
"setterMethodName" : "setExportTaskIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "exportTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : 
    "One or more export task IDs. */",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more export task IDs.</p>**/
@<br>Note: This method appends the values to the existing list (if any). Use {@link #setExportTaskIds(java.util.Collection)} or {@link #withExportTaskIds(java.util.Collection)} if you want to override the existing values.<p>
@param exportTaskIds One or more export task IDs.<p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "exportTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : <p>One or more export task IDs.</p",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
} },
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "ExportTaskIds" : {
    "c2jName" : "ExportTaskIds",
    "c2jShape" : "ExportTaskIdStringList",
    "deprecated" : false,
    "documentation" : "One or more export task IDs.<p>/p",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more export task IDs.</p>**/
@param exportTaskIds One or more export task IDs. <p>\n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withExportTaskIds",
    "getterDocumentation" : "/**<p>One or more export task IDs.</p>**/
@return One or more export task IDs. <p>\n"getterMethodName" : "getExportTaskIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ExportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "exportTaskId",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
  @param member 
  @return Returns a reference to this object so that
  method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
  @return */",
    "getMethod" : "getMember",
    "model" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ExportTaskId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "exportTaskId",
      "uri" : false
    ],
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
**DescribeExportTasksResult**

`c2jName` : "DescribeExportTasksResult",
`customization` : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeExportTasks.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ExportTasks",
  "c2jShape" : "ExportTaskList",
  "deprecated" : false,
  "documentation" : "<p>Information about the export tasks.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the export tasks.</p>
@param exportTasks
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withExportTasks",
  "getterDocumentation" : "/**<p>Information about the export tasks.</p>
@return Information about the
export tasks.*/",
  "getterMethodName" : "getExportTasks",
  "getterModel" : {
    "returnType" : "java.util.List<ExportTask>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExportTaskSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "exportTaskSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ExportTask",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null
    }
  }
}
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ExportTask",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ExportTask",
"variableName" : "member",
"variableType" : "ExportTask",
"documentation" : "",
"simpleType" : "ExportTask",
"variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ExportTask",
"variableName" : "member",
"variableType" : "ExportTask",
"documentation" : ""
"simpleType" : "ExportTask",
"variableSetterType" : "ExportTask"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ExportTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ExportTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
"templateType" : "java.util.List<ExportTask>
},
"map" : false,
"mapModel" : null,
"name" : "ExportTasks",
"setterDocumentation" : "/**
 Information about the export tasks.
 */
@param exportTasks Information about the export tasks.
@return Returns a reference to this object so that method calls can be chained together.*/
,"setterMethodName" : "setExportTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
  "variableName" : "exportTasks",
  "variableType" : "java.util.List<ExportTask>",
  "documentation" : "",
  "simpleType" : "List<ExportTask>",
  "variableSetterType" : "java.util.Collection<ExportTask>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**
 Information about the export tasks.
 <p>NOTE: This method appends the values to the existing list (if any). Use 
(setExportTasks(java.util.Collection)) or 
(withExportTasks(java.util.Collection)) if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
  "variableName" : "exportTasks",
  "variableType" : "java.util.List<ExportTask>",
  "documentation" : "<p>Information about the export tasks.</p>",
  "simpleType" : "List<ExportTask>",
  "variableSetterType" : "java.util.Collection<ExportTask>
",
  "xmlNameSpaceUri" : null
  } },
"membersAsMap" : {
"ExportTasks" : {
  "c2jName" : "ExportTasks",
  "c2jShape" : "ExportTaskList",
  "deprecated" : false,
  "documentation" : "<p>Information about the export tasks.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the export tasks.</p>
  @param exportTasks
  Information about the export tasks.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withExportTasks",
  "getterDocumentation" : "/**<p>Information about the export tasks.</p>
  @return Information about the export tasks.*/",
  "getterMethodName" : "getExportTasks",
  "getterModel" : {
    "returnType" : "java.util.List<ExportTask>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExportTaskSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "exportTaskSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ExportTask",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member
  Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
    }
  }
}
"getterModel" : {
    "returnType" : "ExportTask",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ExportTask",
    "variableName" : "member",
    "variableType" : "ExportTask",
    "documentation" : "",
    "simpleType" : "ExportTask",
    "variableSetterType" : "ExportTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ExportTask",
    "variableName" : "member",
    "variableType" : "ExportTask",
    "documentation" : "",
    "simpleType" : "ExportTask",
    "variableSetterType" : "ExportTask"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "ExportTask",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ExportTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
"templateType" : "java.util.List<ExportTask>
"map" : false,
"mapModel" : null,
"name" : "ExportTasks",
"setterDocumentation" : "/**<p>Information about the export tasks.</p>
@param exportTasks Information about the export tasks.*/",
"setterMethodName" : "setExportTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
  "variableName" : "exportTasks",
  "variableType" : "java.util.List<ExportTask>",
  "documentation" : "",
  "simpleType" : "List<ExportTask>",
  "variableSetterType" : "java.util.Collection<ExportTask>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Information about the export tasks.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setExportTasks(java.util.Collection)] or [@link #withExportTasks(java.util.Collection)] if you want to override the existing values.</p>
@param exportTasks Information about the export tasks.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ExportTask>",
    "variableName" : "exportTasks",
    "variableType" : "java.util.List<ExportTask>",
    "documentation" : "Information about the export tasks."
  },
  "xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeExportTasksResult",
"unmarshaller" : {
"flattened": false,
"resultWrapper": null
},

"variable": {
  "variableDeclarationType": "DescribeExportTasksResult",
  "variableName": "describeExportTasksResult",
  "variableType": "DescribeExportTasksResult",
  "documentation": null,
  "simpleType": "DescribeExportTasksResult",
  "variableSetterType": "DescribeExportTasksResult"
},

"wrapper": false
},

"DescribeFlowLogsRequest": {
  "c2jName": "DescribeFlowLogsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeFlowLogs.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeFlowLogs",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [ {
    "c2jName": "FlowLogIds",
    "c2jShape": "ValueStringList",
    "deprecated": false,
    "documentation": "<p>One or more flow log IDs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more flow log IDs.</p>
@returns A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withFlowLogIds",
    "getterDocumentation": "/**<p>One or more flow log IDs.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getFlowLogIds",
  }]
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FlowLogId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FlowLogId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "@return *

@return Returns a reference to this object so that
method calls can be chained together.*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**<p>One or more flow log IDs.<p>@param flowLogIds One or more flow log IDs.</p>

setterMethodName" : "setFlowLogIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.<p>@param flowLogIds One or more flow log IDs.
@return Returns a reference to this object so that method calls can be chained together.</p>

variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more flow log IDs.
  \n  \n  variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<p><code>deliver-log-status</code> - The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n</p><li><p><code>flow-log-id</code> - The ID of the flow log.<p></li><li><p><code>log-group-name</code> - The name of the log group.<p></li><li><p><code>resource-id</code> - The ID of the VPC, subnet, or network interface.<p></li><li><p><code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> | <code>REJECT</code> | <code>ALL</code>).\n
variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more flow log IDs.
  \n  \n  variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<p><code>deliver-log-status</code> - The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n</p><li><p><code>flow-log-id</code> - The ID of the flow log.<p></li><li><p><code>log-group-name</code> - The name of the log group.<p></li><li><p><code>resource-id</code> - The ID of the VPC, subnet, or network interface.<p></li><li><p><code>traffic-type</code> - The type of traffic (<code>ACCEPT</code> | <code>REJECT</code> | <code>ALL</code>).\n
variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "flowLogIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more flow log IDs.
  \n  \n  variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<p><code>deliver-log-status</code> - The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).\n</p><li><p><code>flow-log-id</code> - The ID of the flow log.<p></li><li><p><code>log-group-name</code> - The name of the log group.<p></li><li><p><code>resource-id</code> - The ID of the VPC, subnet, or network interface.<p></li><li><p><code>traffic-type</code> - The type of traffic
/**
 * One or more filters.
 * <ul>
 */

```
return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withFilter",

"getterDocumentation" : "/**
 * One or more filters.
 * <ul>

```

"getterMethodName" : "getFilter",

"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member \n     * @return Returns a reference to this object so that method calls can be chained together.*/
     
    "fluentSetterMethodName" : "withMember",
```
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
}.}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterMethodName" : "setFilter",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
}
},
"simple" : false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or {@link #withFilter(java.util.Collection)} if you want to override the existing values. </p>

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the flow log.</p> <li> <p> <code>log-group-name</code> - The name of the log group.</p> </li> <li> <p> <code>resource-id</code> - The ID of the VPC, subnet, or network interface.</p> </li> <li> <p> <code>traffic-type</code> - The type of traffic ($<code>ACCEPT</code> | $<code>REJECT</code> | $<code>ALL</code>)</p> </li>

```
@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filter",
"variableType": "java.util.List<Filter>",
"documentation": "<p>One or more filters.</p> <ul>

```
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargarSetterDocumentation" : "/*<p>The token to retrieve the next page of results.</p>\n@param nextToken The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"name" : "maxResults",
"setterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "maxResults",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargarSetterDocumentation" : "/*<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together.*/",null}
are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.

```java
@Retention
@Target
public @interface GetFlowLogEntries{

   String[] logIds() default {};

   Integer maxResults() default -1;

   String nextToken() default null;

   String flowLogIdsSource() default null;

   boolean pageTokenRequired() default true;
}
```

Returns a reference to this object so that method calls can be chained together.

```java
public GetFlowLogEntries withMaxResults(Integer maxResults){
    this.maxResults = maxResults;
    return this;
}
```

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.

```java
public GetFlowLogEntries withNextToken(String nextToken){
    this.nextToken = nextToken;
    return this;
}
```

The value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.

```java
public GetFlowLogEntries withFlowLogIdsSource(String flowLogIdsSource){
    this.flowLogIdsSource = flowLogIdsSource;
    return this;
}
```

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>NextToken</code\> value. This value can be between 5 and 1000; if \<code\>MaxResults</code\> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\</p\>\n@\param\ maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>NextToken</code\> value. This value can be between 5 and 1000; if \<code\>MaxResults</code\> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\</p\>
*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>NextToken</code\> value. This value can be between 5 and 1000; if \<code\>MaxResults</code\> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\</p\>\n@\param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned \<code\>NextToken</code\> value. This value can be between 5 and 1000; if \<code\>MaxResults</code\> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.\</p\>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Filter" : {
    "c2jName" : "Filter",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters. \</\ul\> \</li\> \</p\> \<code\>deliver-log-status</code\> - The status of the logs delivery (\<code\>SUCCESS</code\> | \<code\>FAILED</code\>). \</p\> \</li\> \</li\> \<p\> \<code\>flow-log-id</code\> - The ID of the flow log. \</p\> \</li\> \</li\> \<p\> \<code\>log-group-name</code\> - The name of the log group. \</p\> \</li\> \</li\> \<p\> \<code\>resource-id</code\> - The ID of the VPC, subnet, or network interface. \</p\> \</li\> \</li\> \<p\> \<code\>traffic-type</code\> - The type of traffic (\<code\>ACCEPT</code\> | \<code\>REJECT</code\> | \<code\>ALL</code\>). \</p\> \</li\> \</li\> \<p\> \<code\>enumType\" : "null,
  "fluentSetterDocumentation" : "/**\nOne or more filters. \</\ul\> \</li\> \</p\> \<code\>deliver-log-status</code\> - The status of the logs delivery (\<code\>SUCCESS</code\> | \<code\>FAILED</code\>). \</p\> \</li\> \</li\> \<p\> \<code\>flow-log-id</code\> - The ID of the flow log. \</p\> \</li\> \</li\> \<p\> \<code\>log-group-name</code\> - The name of the log group. \</p\> \</li\> \</li\> \<p\> \<code\>resource-id</code\> - The ID of the VPC, subnet, or network interface. \</p\> \</li\> \</li\> \<p\> \<code\>traffic-type</code\> - The type of traffic (\<code\>ACCEPT</code\> | \<code\>REJECT</code\> | \<code\>ALL</code\>). \</p\> \</li\> \</li\> \<p\> \<code\>enumType\" : "null,
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
],
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : /**<p>One or more filters.</p> 
<ul> 
<li> <p> <code>deliver-log-status</code> - The status of the logs delivery (</li> 
</ul>

The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</ul>

"setterMethodName" : "setFilter",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> 
<ul> 
<li> <p> <code>deliver-log-status</code> - The status of the logs delivery (</li> 
</ul>

NOTE: This method appends the values to the existing list (if any). Use { @link #setFilter(java.util.Collection) } or { @link
"variable": {  
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter> ",  
  "variableName": "filter",  
  "variableType": "java.util.List<Filter> ",  
  
  
  "simpleType": "List<Filter> ",  
  "variableSetterType": "java.util.Collection<Filter> ",  
}, 

"xmlNameSpaceUri": null
}, 

"FlowLogIds": {  
  "c2jName": "FlowLogIds",  
  "c2jShape": "ValueStringList",  
  "deprecated": false,  
  "documentation": "<p>One or more flow log IDs.</p> 
  
  "enumType": null,  
  "fluuentSetterDocumentation": "/**<p>One or more flow log IDs.</p>
  @param flowLogIds One or more flow log IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",  
  "fluuentSetterMethodName": "withFlowLogIds",  
  "getterDocumentation": "/**<p>One or more flow log IDs.</p>
  @return One or more flow log IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/",  
  "getterMethodName": "getFlowLogIds",  
  "getterModel": {  
    "returnType": "java.util.List<String>",  
    "documentation": null
  },  
  "http": {  
    "additionalMarshallingPath": null,  
    "additionalUnmarshallingPath": null,  
    "flattened": false,  
    "greedy": false,  
    "header": false,  
    "isPayload": false,  
    "isStreaming": false,  
    "location": null,  
    "marshallLocationName": "FlowLogId",  
    "queryString": false.
  }"}
"statusCode" : false,
"unmarshallLocationName" : "FlowLogId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*\n"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogIds",
"setterDocumentation" : "/**\n<p>One or more flow log IDs.</p>
@param flowLogIds One or more flow log IDs.</p>\n@returns Returns a reference to this object so that
method calls can be chained together.*\n"",
"setterMethodName" : "setFlowLogIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "flowLogIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more flow log IDs.</p>\n@returns Returns a reference to this object so that
method calls can be chained together.*\n" This method
appends the values to the existing list (if any). Use {@link #setFlowLogIds(java.util.Collection)} or {@link #withFlowLogIds(java.util.Collection)} if you want to override the existing values.

\@param flowLogIds One or more flow log IDs.

\@return Returns a reference to this object so that method calls can be chained together.*/*

"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "flowLogIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more flow log IDs.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"MaxResults": {
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"fluentSetterMethodName": "withMaxResults",
"getterDocumentation": "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"getterMethodName": "getMaxResults",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "maxResults"}
"variableType": "Integer",
"documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The token to retrieve the next page of results.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
  @param nextToken
  The token to retrieve the next page of results.<p></p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "/**<p>The token to retrieve the next page of results.</p>
  @return The token to retrieve the next page of results.<p></p>
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken"
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p><@p>\n@param nextToken The token to retrieve the next page of results.*/","setterMethodName" : "setNextToken","setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p><@p>\n@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/","variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "The token to retrieve the next page of results."",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassNameFqn" : null,
"required" : null,
"shapeName" : "DescribeFlowLogsRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "DescribeFlowLogsRequest",
 "variableName" : "describeFlowLogsRequest",
 "variableType" : "DescribeFlowLogsRequest",
 "documentation" : null,
 "simpleType" : "DescribeFlowLogsRequest",
 "variableSetterType" : "DescribeFlowLogsRequest"
},
"wrapper" : false
},
"DescribeFlowLogsResult" : {
 "c2jName" : "DescribeFlowLogsResult",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
}}
"c2jShape" : "FlowLog",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "FlowLog",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "FlowLog",
  "variableName" : "member",
  "variableType" : "FlowLog",
  "documentation" : "",
  "simpleType" : "FlowLog",
  "variableSetterType" : "FlowLog"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "FlowLog",
"variableName" : "member",
"variableType" : "FlowLog",
"documentation" : "",
"simpleType" : "FlowLog",
"variableSetterType" : "FlowLog"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "FlowLog",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "FlowLog",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"templateType" : "java.util.List<FlowLog>
}
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogs",
"setterDocumentation" : "/**
<p>Information about the flow logs.</p>
@param flowLogs Information about the flow logs.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setFlowLogs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
  "variableName" : "flowLogs",
  "variableType" : "java.util.List<FlowLog>",
  "documentation" : "",
  "simpleType" : "List<FlowLog>",
  "variableSetterType" : "java.util.Collection<FlowLog>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the flow logs.</p>

@NOTE: This method appends the values to the existing list (if any). Use {
@link #setFlowLogs(java.util.Collection)} or {
@link #withFlowLogs(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
  "variableName" : "flowLogs",
  "variableType" : "java.util.List<FlowLog>",
  "documentation" : "<p>Information about the flow logs.</p>",
  "simpleType" : "List<FlowLog>",
  "variableSetterType" : "java.util.Collection<FlowLog>"
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
 * @return Returns a reference to this object so that method calls can be chained together.*///",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
  "@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
  "@return Returns a reference to this object so that method calls can be chained together.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"FlowLogs" : {
  "c2jName" : "FlowLogs",
  "c2jShape" : "FlowLogSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the flow logs.</p>
  "@param flowLogs Information about the flow logs.</p>
  "@return Returns a reference to this object so that method calls can be chained together.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"FlowLogs" : {
  "c2jName" : "FlowLogs",
  "c2jShape" : "FlowLogSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the flow logs.</p>
  "@param flowLogs Information about the flow logs.</p>
  "@return Returns a reference to this object so that method calls can be chained together.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]};
"location" : null,
"marshallLocationName" : "FlowLogSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {

implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

c2jName" : "member",
"c2jShape" : "FlowLog",
"deprecated" : false,
"documentation" : "",
"enumType" : null,

fluentSetterDocumentation" : "/**\n@\n@param member \n@\n@return Returns a reference to this object so that
method calls can be chained together.*/",

fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {

returnType" : "FlowLog",
"documentation" : null
},
"http" : {

additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",}
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "FlowLog",
   "variableName" : "member",
   "variableType" : "FlowLog",
   "documentation" : "",
   "simpleType" : "FlowLog",
   "variableSetterType" : "FlowLog"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "FlowLog",
   "variableName" : "member",
   "variableType" : "FlowLog",
   "documentation" : "",
   "simpleType" : "FlowLog",
   "variableSetterType" : "FlowLog"
},
"xmlNameSpaceUri" : null
},
"memberOfLocationName" : "item",
"memberType" : "FlowLog",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "FlowLog",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
"templateType" : "java.util.List<FlowLog>"
},
"map" : false,
"mapModel" : null,
"name" : "FlowLogs",
"setterDocumentation" : "/**\n<p>Information about the flow logs.</p>
@param flowLogs Information about the flow logs.*/",
"setterMethodName" : "setFlowLogs",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<FlowLog>",
   "variableName" : "flowLogs",
   "variableType" : "java.util.List<FlowLog>",
   "documentation" : "",
   "simpleType" : "List<FlowLog>",
   "variableSetterType" : "java.util.Collection<FlowLog>"
/**
**Information about the flow logs.
**NOTE: This method appends the values to the existing list (if any). Use \{@link #setFlowLogs(java.util.Collection)\} or \{@link #withFlowLogs(java.util.Collection)\} if you want to override the existing values.
**\n**@param flowLogs
**Information about the flow logs.
**@return Returns a reference to this object so that method calls can be chained together.*/

private com.amazonaws.internal.SdkInternalList<FlowLog> flowLogs;

/**
The token to use to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.
**
**@param nextToken The token to use to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.
**@return Returns a reference to this object so that method calls can be chained together.*/

public void withNextToken(String nextToken)
{
    getNextToken(nextToken);
}

public String getNextToken()
{
    return null;
}

@deprecated
public String getNextToken()
{
    throw new java.lang.UnsupportedOperationException();
}

@deprecated
public void withNextToken(String nextToken)
{
    throw new java.lang.UnsupportedOperationException();
}

/**
The token to use to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.
**
**@param nextToken The token to use to retrieve the next page of results. This value is \<code>null</code> when there are no more results to return.
**@return Returns a reference to this object so that method calls can be chained together.*/

// Other methods and fields omitted for brevity.
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.*/
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.*/
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.\n@return
Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeFlowLogsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType": "DescribeFlowLogsResult",
"variableName": "describeFlowLogsResult",
"variableType": "DescribeFlowLogsResult",
"documentation": null,
"simpleType": "DescribeFlowLogsResult",
"variableSetterType": "DescribeFlowLogsResult"
},
"wrapper": false
},
"DescribeHostReservationOfferingsRequest": {
"c2jName": "DescribeHostReservationOfferingsRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": ";",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeHostReservationOfferings",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "OfferingId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the reservation offering.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/** <p>The ID of the reservation offering.</p> */",
    "fluentSetterMethodName": "withOfferingId",
    "getterDocumentation": "/** <p>The ID of the reservation offering.</p> */",
    "getterMethodName": "getOfferingId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  }
]
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OfferingId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "OfferingId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingId",
"setterDocumentation": "/**<p>The ID of the reservation offering.</p>
@param offeringId The ID of the reservation offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the reservation offering.</p>
@param offeringId The ID of the reservation offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "<p>The ID of the reservation offering.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"c2jName": "MinDuration",
"c2jShape": "Integer"
"deprecated" : false,

"documentation" : "<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>",

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
@<param>minDuration</param> This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
@return Returns a reference to this object so that method calls can be chained together.</<p/>

"<fluentSetterMethodName" : "withMinDuration",

"getterDocumentation" : "/**<p>This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>
@return This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.</p>

"<getterMethodName" : "getMinDuration",

"<getterModel" : {
  "<returnType" : "Integer",
  "<documentation" : null
}

"http" : {
  "<additionalMarshallingPath" : null,
  "<additionalUnmarshallingPath" : null,
  "<flattened" : false,
  "<greedy" : false,
  "<header" : false,
  "<isPayload" : false,
  "<isStreaming" : false,
  "<location" : null,
  "<marshallLocationName" : "MinDuration",
  "<queryString" : false,
  "<statusCode" : false,
  "<unmarshallLocationName" : "MinDuration",
  "<uri" : false
}

"idempotencyToken" : false,

"list",

"<listModel" : null,

"<map" : false,

"<mapModel" : null,

"<name" : "MinDuration"
This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

```java
@param minDuration
This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.
```

```
@return
Returns a reference to this object so that method calls can be chained together.
```

This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

```java
```

This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

```java
```
must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

@return Returns a reference to this object so that method calls can be chained together.

**fluentSetterMethodName**: "withMaxDuration",

/**
 * This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
 */

**getterDocumentation**: /**
 * This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
 */

**getterMethodName**: "getMaxDuration",

**getterModel**:

```json
{  
  "returnType": "Integer",
  "documentation": null
}
```

**http**:

```json
{  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxDuration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxDuration",
  "uri": false
}
```

**idempotencyToken**: false

**list**: false

**listModel**: null

**map**: false

**mapModel**: null

**name**: "MaxDuration",

**setterDocumentation**: /**
 * This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.
 */

**setterMethodName**: "setMaxDuration"
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxDuration",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.</p>This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.\n\n@param maxDuration This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxDuration",
    "variableType" : "Integer",
    "documentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "Filter",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>\n\n  <fluentSetterDocumentation" : "[/**<p>One or more filters.</p>\n\n  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>\n\n  <fluentSetterDocumentation" : "[/**<p>One or more filters.</p>\n\n  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>\n\n  <fluentSetterDocumentation" : "[/**<p>One or more filters.</p>\n\n  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).\n      </p>
    </li>
  </ul>
  <p>One or more filters.</p>
  <ul>
    <li>
      <p>
        <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).</p>
    </li>
    <li>
      <p>
        <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>Part"
<ul>
      <li>
        <p>
          <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).<br />
        </p>
      </li>
      <li>
        <p>
          <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).<br />
        </p>
      </li>
      <li>...<br />
      </li>
      <li>...
      
      </li>
      <li>...
      </li>
      <li>...
      </li>
    </ul>

    @return One or more filters.
    
    <ul>
      <li>
        <p>
          <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>).<br />
        </p>
      </li>
      <li>
        <p>
          <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).<br />
        </p>
      </li>
    
    <!-- Generated code -->
    
    "getterMethodName" : "getFilter",
    "getterModel" : {
      "returnType" : "java.util.List<Filter>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/*\n@\n
## Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getMethod" : "/*\n@\n
## Returns a reference to this object so that method calls can be chained together.*/",
        "getterDocumentation" : "",
        "getterMethod" : {
          "returnType" : "Filter",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "marshalLocationName" : "Filter",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "Filter",
          "uri" : false
        }
      }
    }
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "*/param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "*/param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code> ). </p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or {@link #withFilter(java.util.Collection)} if you want to override the existing values. </p>
@param filter One or more filters.
<ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code> ). </p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together. */
",  
"setterMethodName" : "setFilter",
"setterModel" : {
  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code> ). </p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or {@link #withFilter(java.util.Collection)} if you want to override the existing values. </p>
@param filter One or more filters.
<ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code> ). </p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together. */
",  
"variable" : {
  
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters.
<ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code> ). </p> </li> </ul>
",  
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
{  
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This
value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.

```
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.</p>*/\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.</p>
@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.</p>*/\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if `<code>maxResults</code>` is given a larger value than 500, you will receive an error.\n@return Returns a reference to this object so that method calls can be chained together.*/"
value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*/

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/

@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>*/

@param nextToken The token to use to retrieve the next page of results.

@return The token to use to retrieve the next page of results. Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>*/

@return The token to use to retrieve the next page of results.
",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http": {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "NextToken",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "NextToken",  
  "uri" : false  
},  
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "NextToken",  
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"setterMethodName" : "setNextToken",  
"setterModel" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "nextToken",  
  "variableType" : "String",  
  "documentation" : "",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "nextToken",  
  "variableType" : "String",  
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>",  
  "simpleType" : "String",  
  "variableSetterType" : "String"  
},  
"xmlNameSpaceUri" : null
}  
}  
"membersAsMap" : {  
  "Filter" : {  

"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul>
@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul>
@return One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> */",
"getterMethodName" : "getFilter",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul>"}
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul> 
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilter(java.util.Collection) } or { @link #withFilter(java.util.Collection) } if you want to override the existing values. </p> <p> </p>*/",
"setterMethodName" : "setFilter",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li> <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li> </ul> 
<p> </p>*/


<li>@return Returns a reference to this object so that method calls can be chained together. */
  
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filter",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p> <ul>
  <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p> </li>
  <li> <p> <code>payment-option</code> - The payment option (e.g., <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p> </li>
  </ul>
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlnsNamespaceUri" : null
},
"MaxDuration" : {
  "c2jName" : "MaxDuration",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years. */
  "enumType" : null,
  "fluentSetterDocumentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years. */
  "fluentSetterMethodName" : "withMaxDuration",
  "getterDocumentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years. */
  "getterMethodName" : "getMaxDuration",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years. Returns a reference to this object so that method calls can be chained together.
94608000 for three years.</p>

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

```java
@Param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

@Return Returns a reference to this object so that method calls can be chained together.
```
The maximum number of results to return for the request in a single page.

The remaining results can be seen by sending another request with the returned <code>nextToken</code> value.

This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.

@docs

/**
 * The maximum number of results to return for the request in a single page.
 * The remaining results can be seen by sending another request with the returned <code>nextToken</code> value.
 * This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
 */

function setMaxResults(maxResults) {
  return this;
}

/**
 * Returns a reference to this object so that method calls can be chained together.
 */

function getMinResults() {
  return this;
}

/*

*/

function getMinDuration() {
  return this;
}
This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

```java
@Param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

@Get MinDuration

@GetMethod getMinDuration

@PathVariable MinDuration

@GetModel Integer
```

For example, specify 31536000 for one year. For example, specify 31536000 for one year.

```java
@WithMinDuration

@WithMethod withMinDuration

@WithModel MinDuration
```

For example, specify 31536000 for one year. For example, specify 31536000 for one year.
"setterDocumentation" : "/**\nThis is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.*/
@param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

setterMethodName" : "setMinDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minDuration",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,

"varargSetterDocumentation" : "/**\nThis is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.*/
@param minDuration This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.
@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minDuration",
  "variableType" : "Integer",
  "documentation" : "This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year."
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results. */
@\n@param nextToken The token to use to retrieve the next page of results. @\n@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation" : "/**\nThe token to use to retrieve the next page of results. */
@\n@param nextToken The token to use to retrieve the next page of results. @\n@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNextToken",
"xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@return The token to use to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param
token The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param
token The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingId" : {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the reservation offering.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the reservation offering.</p>
*\n@param offeringId The ID of the reservation offering.
*\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The ID of the reservation offering.</p>
*\n@return The ID of the reservation offering.*\*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The ID of the reservation offering.</p>
*\n@param offeringId The ID of the reservation offering.*\*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*\*<p>The ID of the reservation offering.</p>@param offeringId The ID of the reservation offering.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "<p>The ID of the reservation offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationOfferingsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeHostReservationOfferingsRequest",
"variableName" : "describeHostReservationOfferingsRequest",
"variableType" : "DescribeHostReservationOfferingsRequest",
"documentation" : null,
"simpleType" : "DescribeHostReservationOfferingsRequest",
"variableSetterType" : "DescribeHostReservationOfferingsRequest"
},
"wrapper" : false
},
"DescribeHostReservationOfferingsResult" : {
"c2jName" : "DescribeHostReservationOfferingsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {  
"c2jName" : "OfferingSet",
"c2jShape" : "HostOfferingSet",
"deprecated" : false,
"documentation" : "\p>Information about the offerings.<p>\",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the offerings.<p>
@param offeringSet Information about the offerings.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingSet",
"getterDocumentation" : "/**<p>Information about the offerings.<p>
@return Information about the offerings.<p>*/",
"getterMethodName" : "getOfferingSet",
"getterModel" : {  
"returnType" : "java.util.List<HostOffering>",
"documentation" : null
  },
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
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"queryString" : false,
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"uri" : false
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"getterDocumentation" : "/**
\return Returns a reference to this object so that method calls can be chained together.*/",
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"getterModel" : {  
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"documentation" : null
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"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
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"c2jShape" : "HostOfferingSet",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"getterDocumentation" : "/**\n@return */",
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  "returnType" : "HostOffering",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
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"listModel" : null,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "HostOffering",
  "documentation" : "",
  "simpleType" : "HostOffering",
  "variableSetterType" : "HostOffering"
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"simple" : false,
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  "variableName" : "member",
  "variableType" : "HostOffering",
  "documentation" : "",
  "simpleType" : "HostOffering",
  "variableSetterType" : "HostOffering"
}.}
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "HostOffering",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
"templateType" : "java.util.List<HostOffering>"
},
"map" : false,
"mapModel" : null,
"name" : "OfferingSet",
"setterDocumentation" : "/**<p>Information about the offerings.
@param offeringSet Information about the offerings.*/",
"setterMethodName" : "setOfferingSet",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
 "variableName" : "offeringSet",
 "variableType" : "java.util.List<HostOffering>",
 "documentation" : "",
 "simpleType" : "List<HostOffering>",
 "variableSetterType" : "java.util.Collection<HostOffering>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the offerings.
 @param offeringSet Information about the offerings. @return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "offeringSet",
 "variableType" : "java.util.List<HostOffering>",
 "documentation" : "<p>Information about the offerings. </p>",
 "simpleType" : "List<HostOffering>",
 "variableSetterType" : "java.util.Collection<HostOffering>"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>*/
@param nextToken The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.
@return
@returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@return
The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.*",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>*/
@param nextToken The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.*",
"setterMethodName" : "setNextToken",
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"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.
@returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
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"variableSetterType" : "String"
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"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.
@returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>@return The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.
*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
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"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
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"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
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"variableSetterType" : "String"
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when there are no more results to return.</p>",
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the next page of results. This value is <code>null</code> when there are no more results to return.*\*/",
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the next page of results. This value is <code>null</code> when there are no more results to return.<\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "HostOfferingSet",
  "deprecated" : false,
  "documentation" : "Information about the offerings.<p>\n@param offeringSet Information about the offerings.<\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterDocumentation" : "Information about the offerings.<p>\n@param offeringSet Information about the offerings.<\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withOfferingSet",
  "getterDocumentation" : "Information about the offerings.<p>\n@return Information about the offerings.<\n@return Returns a reference to this object so that method calls can be chained together.*\*/"}
offerings.*",
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  "getterModel" : {
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    "documentation" : null
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    "statusCode" : false,
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      "c2jShape" : "HostOffering",
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      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
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      "getterModel" : {
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        "documentation" : null
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        "header" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"setterModel" : {
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  "variableType" : "HostOffering",
  "documentation" : "",
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  "variableSetterType" : "HostOffering"
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"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "HostOffering",
  "documentation" : "",
  "simpleType" : "HostOffering",
  "variableSetterType" : "HostOffering"
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"memberLocationName" : null,
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostOffering>",
"templateType" : "java.util.List<HostOffering>"
"map" : false,
"mapModel" : null,
"name" : "OfferingSet",
"setterDocumentation" : "/**\n<p>Information about the offerings.</p>\n@param offeringSet Information about the offerings.*/",
"setterMethodName" : "setOfferingSet",
"setterModel" : {
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  "variableName" : "offeringSet",
  "variableType" : "java.util.List<HostOffering>",
  "documentation" : "",
  "simpleType" : "List<HostOffering>",
  "variableSetterType" : "java.util.Collection<HostOffering>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the offerings.</p>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setOfferingSet(java.util.Collection)] or [@link #withOfferingSet(java.util.Collection)] if you want to override the existing values.</p>\n@param offeringSet Information about the offerings.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<HostOffering>",
  "documentation" : "<p>Information about the offerings.</p>",
  "simpleType" : "List<HostOffering>",
  "variableSetterType" : "java.util.Collection<HostOffering>"
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"requestSignerClassFqn" : null,
"required" : null,
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"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "describeHostReservationOfferingsResult",
  "variableType" : "DescribeHostReservationOfferingsResult",
  "documentation" : null,
  "simpleType" : "DescribeHostReservationOfferingsResult",
  "variableSetterType" : "DescribeHostReservationOfferingsResultResult"
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"wrapper": false,
"DescribeHostReservationsRequest": {
  "c2jName": "DescribeHostReservationsRequest",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
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  "errorId": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
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    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlnsSpaceUri": null
  },
  "members": [
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      "c2jName": "HostReservationIdSet",
      "c2jShape": "HostReservationIdSet",
      "deprecated": false,
      "documentation": "<p>One or more host reservation IDs.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>One or more host reservation IDs.</p>
      *param hostReservationIdSet
      *return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName": "withHostReservationIdSet",
      "getterDocumentation": "/**<p>One or more host reservation IDs.</p>
      *return One or more host reservation IDs."",
      "getterMethodName": "getHostReservationIdSet",
      "getterModel": {
        "returnType": "java.util.List<String>",
        "documentation": null
      },
      "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlnsNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
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"map": false,
"mapModel": null,
"name": "HostReservationIdSet",
"setterDocumentation": "/**\n@param hostReservationIdSet One or more host reservation IDs.*/",
"setterMethodName": "setHostReservationIdSet",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "hostReservationIdSet",
  "variableType": "java.util.List<String>"}
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>One or more host reservation IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link #setHostReservationIdSet(java.util.Collection)] or [link #withHostReservationIdSet(java.util.Collection)] if you want to override the existing values.</p>\n@\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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    "variableName" : "hostReservationIdSet",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more host reservation IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
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"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p>\n<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p></li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p></li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p></li>
</ul>
@param filter One or more filters.
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "<p>One or more filters.</p>
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return One or more filters.
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return One or more filters.
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."/";
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p>\n<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together. */",n"getterDocumentation" : "<p>One or more filters.</p>
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return One or more filters.
<ul>
<li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p><code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p><code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."/";

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  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
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"list" : false,
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
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},
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"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
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"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**
 * One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., &lt;code&gt;m4&lt;/code&gt;).</p> </li> <li> <p> <code>payment-option</code> - The payment option (&lt;code&gt;NoUpfront&lt;/code&gt; | &lt;code&gt;PartialUpfront&lt;/code&gt; | &lt;code&gt;AllUpfront&lt;/code&gt;).</p> </li> <li> <p> <code>state</code> - The state of the reservation (&lt;code&gt;payment-pending&lt;/code&gt; | &lt;code&gt;payment-failed&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;retired&lt;/code&gt;).</p> </li>
</ul>

@param filter One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., &lt;code&gt;m4&lt;/code&gt;).</p> </li> <li> <p> <code>payment-option</code> - The payment option (&lt;code&gt;NoUpfront&lt;/code&gt; | &lt;code&gt;PartialUpfront&lt;/code&gt; | &lt;code&gt;AllUpfront&lt;/code&gt;).</p> </li> <li> <p> <code>state</code> - The state of the reservation (&lt;code&gt;payment-pending&lt;/code&gt; | &lt;code&gt;payment-failed&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;retired&lt;/code&gt;).</p> </li>

*NOTE:* This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or {@link #withFilter(java.util.Collection)} if you want to override the existing values.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., &lt;code&gt;m4&lt;/code&gt;).</p> </li> <li> <p> <code>payment-option</code> - The payment option (&lt;code&gt;NoUpfront&lt;/code&gt; | &lt;code&gt;PartialUpfront&lt;/code&gt; | &lt;code&gt;AllUpfront&lt;/code&gt;).</p> </li> <li> <p> <code>state</code> - The state of the reservation (&lt;code&gt;payment-pending&lt;/code&gt; | &lt;code&gt;payment-failed&lt;/code&gt; | &lt;code&gt;active&lt;/code&gt; | &lt;code&gt;retired&lt;/code&gt;).</p> </li>

*NOTE:* This method appends the values to the existing list (if any). Use {@link #setFilter(java.util.Collection)} or {@link #withFilter(java.util.Collection)} if you want to override the existing values.
"variableSetterType" : "java.util.Collection<Filter>",
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{
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
*/",
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    "documentation" : null
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  "http" : {
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxResults",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.
*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.\n"Simple" : "Integer",
  "variableSetterType" : "Integer"
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}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results.\n"Simple" : "null",
  "fluentSetterDocumentation" : "The token to use to retrieve the next page of results.\n"return" Returns a reference to this object so that method calls can be chained together.*/"}
method calls can be chained together.*"/

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@return The token to use to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
@param nextToken
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "nextToken"}
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
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],
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"Filter" : {
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"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (\<code>NoUpfront</code> | \<code>PartialUpfront</code> | \<code>AllUpfront</code>).\</p> </li> <li> <p> <code>state</code> - The state of the reservation (\<code>payment-pending</code> | \<code>payment-failed</code> | \<code>active</code> | \<code>retired</code>).\</p> </li> </ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (\<code>NoUpfront</code> | \<code>PartialUpfront</code> | \<code>AllUpfront</code>).\</p> </li> <li> <p> <code>state</code> - The state of the reservation (\<code>payment-pending</code> | \<code>payment-failed</code> | \<code>active</code> | \<code>retired</code>).\</p> </li> </ul>
@param filter One or more filters.\</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (\<code>NoUpfront</code> | \<code>PartialUpfront</code> | \<code>AllUpfront</code>).\</p> </li> <li> <p> <code>state</code> - The state of the reservation (\<code>payment-pending</code> | \<code>payment-failed</code> | \<code>active</code> | \<code>retired</code>).\</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (\<code>NoUpfront</code> | \<code>PartialUpfront</code> | \<code>AllUpfront</code>).\</p> </li> <li> <p> <code>state</code> - The state of the reservation (\<code>payment-pending</code> | \<code>payment-failed</code> | \<code>active</code> | \<code>retired</code>).\</p> </li> </ul>
@return One or more filters.\</p> <ul> <li> <p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p> </li> <li> <p> <code>payment-option</code> - The payment option (\<code>NoUpfront</code> | \<code>PartialUpfront</code> | \<code>AllUpfront</code>).\</p> </li> <li> <p> <code>state</code> - The state of the reservation (\<code>payment-pending</code> | \<code>payment-failed</code> | \<code>active</code> | \<code>retired</code>).\</p> </li> </ul>
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"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
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    "documentation" : "",
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method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n\n@return */",
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      "documentation" : null
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      "header" : false,
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      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
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  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
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"simple": false,
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"variable": {
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  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
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"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filter",
"setterDocumentation": "/**
One or more filters.</p> <ul>
<li><p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
<li><p> <code>payment-option</code> - The payment option (<code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>).</p>
</li>
<li><p> <code>state</code> - The state of the reservation (<code>payment-pending</code> | <code>payment-failed</code> | <code>active</code> | <code>retired</code>).</p>
</li>
<li><p> <code>\n@param filter One or more filters.</p> <ul>
<li><p> <code>instance-family</code> - The instance family (e.g., <code>m4</code>).</p>
</li>
</ul>
</p>
"setterMethodName": "setFilter",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filter",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>",
},
"simple": false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setFilter(java.util.Collection) or @link #withFilter(java.util.Collection) if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together. */",
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  "variableName": "filter",
  "variableType": "java.util.List<Filter>",
@return Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri": null,
"HostReservationIdSet": {
  "c2jName": "HostReservationIdSet",
  "c2jShape": "HostReservationIdSet",
  "deprecated": false,
  "enumType": "<p>One or more host reservation IDs.</p>",
  "enumType": "null",
  "fluentSetterDocumentation": "/**<p>One or more host reservation IDs.</p>\n@returns Returns a reference to this object so that method calls can be chained together. */",
  "xmlNameSpaceUri": null
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"HostReservationIdSet": {
  "c2jName": "HostReservationIdSet",
  "c2jShape": "HostReservationIdSet",
  "deprecated": false,
  "documentation": "<p>One or more host reservation IDs.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more host reservation IDs.</p>\n@returns Returns a reference to this object so that method calls can be chained together. */"}
One or more host reservation IDs.

```java
/**
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName": "withHostReservationIdSet",
"getterDocumentation": "/**<p>One or more host reservation IDs.</p>

@return One or more host reservation IDs.*/",
"getterMethodName": "getHostReservationIdSet",
"getterModel": {

"returnType": "java.util.List<String>",
"documentation": null
},
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "HostReservationIdSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "HostReservationIdSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {

"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {

"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n
@return */",
"getterMethodName": "getMember",
"getterModel": {

"returnType": "String",
"documentation": null
},
"http": {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
```

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostReservationIdSet",
"setterDocumentation" : "/**<p>One or more host reservation IDs. @param hostReservationIdSet One or more host reservation IDs.*/",
"setterMethodName" : "setHostReservationIdSet",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostReservationIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more host reservation IDs.</p><h3>NOTE:</h3>This method appends the values to the existing list (if any). Use {
@link #setHostReservationIdSet(java.util.Collection)} or {
@link #withHostReservationIdSet(java.util.Collection)} if you want to override the existing values.<p>@param hostReservationIdSet One or more host reservation IDs.</p><h3@return>Returs a reference to this object so that method calls can be chained together.</h3>
",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostReservationIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more host reservation IDs.</p",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>
"@param maxResults The maximum number of results to return for the request in a single
The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*,

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "*/**<p>The maximum number of results to return for the request in a single page.
The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>\n\n@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*\n",

"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "*/**<p>The maximum number of results to return for the request in a single page.
The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>\n\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.*\n",

"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "integer"
}
The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned nextToken value. This value can be between 5 and 500; if maxResults is given a larger value than 500, you will receive an error.

### Returns

Returns a reference to this object so that method calls can be chained together.

### Example

```xml
<maxResults />
```
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*
<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*
<p>The token to use to retrieve the next page of results.</p>
@param
nextToken The token to use to retrieve the next page of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostReservationsRequest",
"unmarshaller" : null,
"unmarshaller": {
"variableDeclarationType": "DescribeHostReservationsRequest",
"variableName": "describeHostReservationsRequest",
"variableType": "DescribeHostReservationsRequest",
"documentation": null,
"simpleType": "DescribeHostReservationsRequest",
"variableSetterType": "DescribeHostReservationsRequest"
},
"wrapper": false,
},
"DescribeHostReservationsResult": {
"c2jName": "DescribeHostReservationsResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
{"c2jName": "HostReservationSet",
"c2jShape": "HostReservationSet",
"deprecated": false,
"documentation": "<p>Details about the reservation's configuration.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withHostReservationSet",
"getterDocumentation": "/**<p>Details about the reservation's configuration.</p>
@return Details about the reservation's configuration.*",
"getterMethodName": "getHostReservationSet",
"getterModel": {
"returnType": "java.util.List<HostReservation>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "HostReservationSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "HostReservationSet",
"uri": false,
"idempotencyToken": false,
"list": true,
"ListModel": {
   "implType": "com.amazonaws.internal.SdkInternalList",
   "interfaceType": "java.util.List",
   "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "HostReservation",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**
       *param member
       *return Returns a reference to this object so that
       *method calls can be chained together.*/",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n       *return */",
      "getterMethodName": "getMember",
      "getterModel": {
         "returnType": "HostReservation",
         "documentation": null
      },
      "http": {
         "additionalMarshallingPath": null,
         "additionalUnmarshallingPath": null,
         "flattened": false,
         "greedy": false,
         "header": false,
         "isPayload": false,
         "isStreaming": false,
         "location": null,
         "marshallLocationName": "member",
         "queryString": false,
         "statusCode": false,
         "unmarshallLocationName": "member",
         "uri": false
      },
      "idempotencyToken": false,
      "list": false,
      "ListModel": null,}
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "HostReservation",
  "variableName": "member",
  "variableType": "HostReservation",
  "documentation": "",
  "simpleType": "HostReservation",
  "variableSetterType": "HostReservation"
},
"simple": false,
"varargSetterDocumentation": "/\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "HostReservation",
  "variableName": "member",
  "variableType": "HostReservation",
  "documentation": "",
  "simpleType": "HostReservation",
  "templateImplType": "com.amazonaws.internal.SdkInternalList<HostReservation>",
  "templateType": "java.util.List<HostReservation>"
},
"xmlnsSpaceUri": null
},
"memberLocationName": null,
"memberType": "HostReservation",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "HostReservation",
"templateImplType": "com.amazonaws.internal.SdkInternalList<HostReservation>",
"templateType": "java.util.List<HostReservation>"
},
"map": false,
"mapModel": null,
"name": "HostReservationSet",
"setterDocumentation": "/**<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.</p>*/",
"setterMethodName": "setHostReservationSet",
"setterModel": {
  "variableDeclarationType": "HostReservation",
  "variableName": "hostReservationSet",
  "variableType": "java.util.List<HostReservation>"
}
This method appends the values to the existing list (if any). Use { @link #setHostReservationSet(java.util.Collection) or @link #withHostReservationSet(java.util.Collection)} if you want to override the existing values. 

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
  "variableName" : "hostReservationSet",
  "variableType" : "java.util.List<HostReservation>",
  "documentation" : "<p>Details about the reservation's configuration.</p>
  "simpleType" : false,
  "varargSetterDocumentation" : "/** <p>Details about the reservation's configuration. </p>
  <p>NOTE: This method appends the values to the existing list (if any). Use { @link #setHostReservationSet(java.util.Collection) or @link #withHostReservationSet(java.util.Collection) } if you want to override the existing values. </p>\n  @return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
    "variableName" : "hostReservationSet",
    "variableType" : "java.util.List<HostReservation>",
    "documentation" : "<p>Details about the reservation's configuration.</p>
    "simpleType" : false,
    "varargSetterDocumentation" : "/** <p>Details about the reservation's configuration. </p>
    <p>NOTE: This method appends the values to the existing list (if any). Use { @link #setHostReservationSet(java.util.Collection) or @link #withHostReservationSet(java.util.Collection) } if you want to override the existing values. </p>\n    @return Returns a reference to this object so that method calls can be chained together. */",
  }
},
"c2jNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. </p>\n
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. </p>
  @param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. 
  @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/** <p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. </p>
  @return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. 
  @return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*\n.getParam nextToken The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>/\n@returns

Returns a reference to this object so that method calls can be chained together.*\n*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n**\n<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>/\n@returns

Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}
},
"membersAsMap" : {
  "HostReservationSet" : {
    "c2jName" : "HostReservationSet",
    "c2jShape" : "HostReservationSet",
    "deprecated" : false,
    "documentation" : "<p>Details about the reservation's configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>Details about the reservation's configuration.</p>/\n@returns

Returns a reference to this object so that method calls can be chained together.*\n*/",
  },
  "HostReservationSet" : {
    "c2jName" : "HostReservationSet",
    "c2jShape" : "HostReservationSet",
    "deprecated" : false,
    "documentation" : "<p>Details about the reservation's configuration.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>Details about the reservation's configuration.</p>/\n@returns

Returns a reference to this object so that method calls can be chained together.*\n*/"}
hostReservationSet Details about the reservation's configuration.

/**<p>Details about the reservation's configuration.</p>
@return Details about the reservation's configuration.*/

getterMethodName" : "getHostReservationSet",
getterModel" : {
"returnType" : "java.util.List<HostReservation>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostReservationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostReservationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "HostReservation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "HostReservation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "HostReservation",
"variableName": "member",
"variableType": "HostReservation",
"documentation": "",
"simpleType": "HostReservation",
"variableSetterType": "HostReservation"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "HostReservation",
"variableName": "member",
"variableType": "HostReservation",
"documentation": "",
"simpleType": "HostReservation",
"variableSetterType": "HostReservation"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "HostReservation",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple" : false,
"simpleType" : "HostReservation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
"templateType" : "java.util.List<HostReservation>"
},
"map" : false,
"mapModel" : null,
"name" : "HostReservationSet",
"setterDocumentation" : "/**<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.*/",
"setterMethodName" : "setHostReservationSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
"variableName" : "hostReservationSet",
"variableType" : "java.util.List<HostReservation>",
"documentation" : "",
"simpleType" : "List<HostReservation>",
"variableSetterType" : "java.util.Collection<HostReservation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Details about the reservation's configuration.</p>
@param hostReservationSet Details about the reservation's configuration.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostReservation>",
"variableName" : "hostReservationSet",
"variableType" : "java.util.List<HostReservation>",
"documentation" : "<p>Details about the reservation's configuration.</p>
"simpleType" : "List<HostReservation>",
"variableSetterType" : "java.util.Collection<HostReservation>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is

<code>null</code> when there are no more results to return.</p>

`@return` The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/

```

getterMethodName" : "getNextToken",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",

"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

`@param nextToken` The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/

```

"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

`@param nextToken` The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.*/

```

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
```
"variableType": "String",
"documentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeHostReservationsResult",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DescribeHostReservationsResult",
"variableName": "describeHostReservationsResult",
"variableType": "DescribeHostReservationsResult",
"documentation": null,
"simpleType": "DescribeHostReservationsResult",
"variableSetterType": "DescribeHostReservationsResult"
},
"wrapper": false
},
"DescribeHostsRequest": {
"c2jName": "DescribeHostsRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "Contains the parameters for DescribeHosts.",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "DescribeHosts",
"locationName": null,
"requestUri": "/",
"target": null,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */
",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */
",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"name" : "HostIds",
"setterDocumentation" : "/**\n@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.\n@<p>NOTE: This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values.\n@<p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.\n",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String"}
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "NextToken",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "nextToken",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
@return The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
@return Returns a reference to this object so that method calls can be chained together.*/"
The token to retrieve the next page of results.

@returns Returns a reference to this object so that method calls can be chained together.*/
{
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "The token to retrieve the next page of results.<p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},

"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<p>

@returns Returns a reference to this object so that method calls can be chained together.*/
{
    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<p>

@returns The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.<p>

@returns Returns a reference to this object so that method calls can be chained together.*/
{
    "getterMethodName" : "getMaxResults",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "additionalMarshallingPathOriginal" : null,
        "additionalUnmarshallingPathOriginal" : null,
        "flattenedOriginal" : false,
        "greedyOriginal" : false
    }
}
The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.

\n
@returns Returns a reference to this object so that method calls can be chained together.

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.

\n
The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.
remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request. 

```
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. <ul> <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support. <p> </li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </p> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. <p> </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. <p> </li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). <p> </li> <li> <code>availability-zone</code> - The Availability Zone of the host. <p> </li> </ul>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters. <ul> <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support. <p> </li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </p> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. <p> </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. <p> </li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). <p> </li> <li> <code>availability-zone</code> - The Availability Zone of the host. <p> </li> </ul>

@returns A reference to this object so that method calls can be chained together. */
",
"fluentSetterMethodName" : "withFilter",
"getterDocumentation" : "/**<p>One or more filters. <ul> <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support. <p> </li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </p> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. <p> </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. <p> </li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). <p> </li> <li> <code>availability-zone</code> - The Availability Zone of the host. <p> </li> </ul>

@returns A reference to this object so that method calls can be chained together. */
",
"getterMethodName" : "getFilter",
"required" : false,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. <ul> <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support. <p> </li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </p> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. <p> </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. <p> </li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). <p> </li> <li> <code>availability-zone</code> - The Availability Zone of the host. <p> </li> </ul>

the Dedicated Host is configured to support.</li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</li> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li> <li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). </li> <li> <code>availability-zone</code> - The Availability Zone of the host.</li>

```javascript
"getterMethodName" : "getFilter",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "@return *",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    }
  }
},
```

---

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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
@\* @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/*/\n@\* @param member \n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "xmlNameSpaceUri" : null
},
  "memberLocationName" : "Filter",
  "memberType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
},
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li> <li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li> <li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance</p> </li> <li> <p> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the host.</p> </li> <ul>
@param filter One or more filters. 
<ul>
<li> <p> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> </li>
<li> <p> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>).</p> </li>
<li> <p> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> </li>
<li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance</p> </li>
<li> <p> <code>availability-zone</code> - The Availability Zone of the host.</p> </li>
</ul>
</ul>

NOTE: This method appends the values to the existing list (if any). Use { @link #setFilter(java.util.Collection) } if you want to override the existing
values.\n@param filter One or more filters.\n  <ul>\n    <li><code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.\n    <li><code>auto-placement</code> - Whether auto-placement is enabled or disabled (\n      <code>on</code> | <code>off</code>).\n    <li><code>host-reservation-id</code> - The ID of the reservation assigned to this host.\n    <li><code>client-token</code> - The idempotency token you provided when you launched the instance.\n    <li><code>state</code> - The allocation state of the Dedicated Host (\n      <code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>).\n    <li><code>availability-zone</code> - The Availability Zone of the host.\n  </ul>\n\n@return Returns a reference to this object so that method calls can be chained together.\n*/

"variable": {\n  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>" ,\n  "variableName": "filter" ,\n  "variableType": "java.util.List<Filter>" ,\n  "documentation": "One or more filters.\n  <ul>\n    <li><code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.\n    <li><code>auto-placement</code> - Whether auto-placement is enabled or disabled (\n      <code>on</code> | <code>off</code>).\n    <li><code>host-reservation-id</code> - The ID of the reservation assigned to this host.\n    <li><code>client-token</code> - The idempotency token you provided when you launched the instance.\n    <li><code>state</code> - The allocation state of the Dedicated Host (\n      <code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>).\n    <li><code>availability-zone</code> - The Availability Zone of the host.\n  </ul>\n\n},\n  "simpleType": "List<Filter>",\n  "variableSetterType": "java.util.Collection<Filter>" ,\n  "xmlnsNameSpaceUri": null } ,\n  "membersAsMap": {\n    "Filter": {\n      "c2jName": "Filter" ,\n      "c2jShape": "FilterList" ,\n      "deprecated": false ,\n      "documentation": "One or more filters.\n  <ul>\n    <li><code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.\n    <li><code>auto-placement</code> - Whether auto-placement is enabled or disabled (\n      <code>on</code> | <code>off</code>).\n    <li><code>host-reservation-id</code> - The ID of the reservation assigned to this host.\n    <li><code>client-token</code> - The idempotency token you provided when you launched the instance.\n    <li><code>state</code> - The allocation state of the Dedicated Host (\n      <code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>).\n    <li><code>availability-zone</code> - The Availability Zone of the host.\n  </ul>\n\n},\n  "enumType": null ,\n  "fluentSetterDocumentation": "One or more filters.\n  <ul>\n    <li><code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.\n    <li><code>auto-placement</code> - Whether auto-placement is enabled or disabled (\n      <code>on</code> | <code>off</code>).\n    <li><code>host-reservation-id</code> - The ID of the reservation assigned to this host.\n    <li><code>client-token</code> - The idempotency token you provided when you launched the instance.\n    <li><code>state</code> - The allocation state of the Dedicated Host (\n      <code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>).\n    <li><code>availability-zone</code> - The Availability Zone of the host.\n  </ul>\n\n"}"

| <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</p> 
| <code>auto-placement</code> - Whether auto-placement is enabled or disabled (on | off).</p> </li> 
| <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</p> 
| <code>client-token</code> - The idempotency token you provided when you launched the instance</p> 
| <code>state</code> - The allocation state of the Dedicated Host (available | under-assessment | permanent-failure).</p> </li>

```java
@return Returns a reference to this object so that method calls can be chained together.
*/

"getterDocumentation" : "/**\n One or more filters.\n <ul>
 <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.
 </li>
 <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (on | off).
 </li>
 <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.
 </li>
 <li> <code>client-token</code> - The idempotency token you provided when you launched the instance
 </li>
 <li> <code>state</code> - The allocation state of the Dedicated Host (available | under-assessment | permanent-failure).
 </li>
</ul>

@returns One or more filters.
```

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Filter",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "filter",
 "uri" : false
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter"
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filter",
"setterDocumentation" : "/**
@param filter One or more filters.<p>

The instance type size that the Dedicated Host is configured to support.<p> - The instance type size that the Dedicated Host is configured to support.\n\nThe allocation state of the Dedicated Host (\navailable | under-assessment | permanent-failure | released | released-permanent-failure).\n\nThe availability zone of the host.\n\n\n**\n\nOne or more filters.\n\n**
\n\nOne or more filters.\n\n**
\n\nOne or more filters.\n\n**
\n\nOne or more filters.\n\n**
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\n\nOne or more filters.\n\n**
\n\nOne or more filters.\n\n**
\n\nOne or more filters.\n\n**
setterMethodName" : "setFilter",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilter(java.util.Collection) or [@link #withFilter(java.util.Collection)] if you want to override the existing values.</p> <p>@param filter One or more filters.</p> <p>**</p> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </li> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. </li> <li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). </li> <li> <code>availability-zone</code> - The Availability Zone of the host. </li> <ul>
  
  </ul>

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filter",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li> <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </li> <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host. </li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance. </li> <li> <code>state</code> - The allocation state of the Dedicated Host (<code>available</code> | <code>under-assessment</code> | <code>permanent-failure</code> | <code>released</code> | <code>released-permanent-failure</code>). </li> <li> <code>availability-zone</code> - The Availability Zone of the host. </li>
</ul>

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null}
"HostIds" : {
  "c2jName" : "HostIds",
  "c2jShape" : "RequestHostIdList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withHostIds",
  "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>@return The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>@*/",
  "getterMethodName" : "getHostIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.
*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      }
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values.</p>@param hostIds The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"}
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;nextToken&lt;/code&gt; value. This value can be between 5 and 500; if &lt;code&gt;maxResults&lt;/code&gt; is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.&lt;/p&gt;",

"enumType" : null,

"fluentSetterDocumentation" : "/**&lt;p&gt;The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;nextToken&lt;/code&gt; value. This value can be between 5 and 500; if &lt;code&gt;maxResults&lt;/code&gt; is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.&lt;/p&gt;\n@param maxResults The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;nextToken&lt;/code&gt; value. This value can be between 5 and 500; if &lt;code&gt;maxResults&lt;/code&gt; is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**&lt;p&gt;The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;nextToken&lt;/code&gt; value. This value can be between 5 and 500; if &lt;code&gt;maxResults&lt;/code&gt; is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n@return The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned &lt;code&gt;nextToken&lt;/code&gt; value. This value can be between 5 and 500; if &lt;code&gt;maxResults&lt;/code&gt; is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxResults",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "maxResults",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,
"name": "MaxResults",

"setterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>*/",

"setterMethodName": "setMaxResults",

"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},

"simple": true,

"varargSetterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},

"xmlNameSpaceUri": null
},

"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.
  "enumType": null,
  "fluentSetterDocumentation": "The token to retrieve the next page of results.\n@returns Returns a reference to this object so that method calls can be chained together.*/",

  "variable": {
    "variableDeclarationType": "Integer",
    "variableName": "nextToken",
    "variableType": "Integer",
    "documentation": "The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.\n@returns Returns a reference to this object so that method calls can be chained together.*/
  }
}
The token to retrieve the next page of results. \n@return Returns a reference to this object so that method calls can be chained together. */

  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  \n  @return The token to retrieve the next page of results.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  \n  @param nextToken The token to retrieve the next page of results.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  \n  @param nextToken The token to retrieve the next page of results.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeHostsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeHostsRequest",
"variableName" : "describeHostsRequest",
"variableType" : "DescribeHostsRequest",
"documentation" : null,
"simpleType" : "DescribeHostsRequest",
"variableSetterType" : "DescribeHostsRequest"
},
"wrapper" : false
},
"DescribeHostsResult" : {
"c2jName" : "DescribeHostsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "Hosts",
"c2jShape" : "HostList",
"deprecated" : false,
"documentation" : "<p>Information about the Dedicated Hosts.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** Information about the Dedicated Hosts. */\n@param hosts Information"
about the Dedicated Hosts.

@return Returns a reference to this object so that method calls can be chained together.*/*/ 

"fluentSetterMethodName" : "withHosts", 
"getterDocumentation" : "/**<p>Information about the Dedicated Hosts. </p>*/ 

@return Information about the Dedicated Hosts.*/*/ 

getterMethodName" : "getHosts", 
getterModel" : { 
"returnType" : "java.util.List<Host>", 
"documentation" : null 
}, 
"http" : { 
"additionalMarshallingPath" : null, 
"additionalUnmarshallingPath" : null, 
"flattened" : false, 
"greedy" : false, 
"header" : false, 
isPayload" : false, 
isStreaming" : false, 
"location" : null, 
"marshallLocationName" : "HostSet", 
"queryString" : false, 
"statusCode" : false, 
"unmarshallLocationName" : "hostSet", 
"uri" : false 
}, 
"idempotencyToken" : false, 
"list" : true, 
"listModel" : { 
"implType" : "com.amazonaws.internal.SdkInternalList", 
"interfaceType" : "java.util.List", 
"listMemberModel" : { 
"c2jName" : "member", 
"c2jShape" : "Host", 
"deprecated" : false, 
"documentation" : "", 
"enumType" : null, 
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/ 

"fluentSetterMethodName" : "withMember", 
"getterDocumentation" : "/**@return */ 

"getterMethodName" : "getMember", 
"getterModel" : { 
"returnType" : "Host", 
"documentation" : null 
}, 
"http" : { 
"additionalMarshallingPath" : null, 
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Host",
  "variableName" : "member",
  "variableType" : "Host",
  "documentation" : "",
  "simpleType" : "Host",
  "variableSetterType" : "Host"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Host",
  "variableName" : "member",
  "variableType" : "Host",
  "documentation" : "",
  "simpleType" : "Host",
  "variableSetterType" : "Host"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Host",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Host",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Host>",
"templateType" : "java.util.List<Host>",
},
"map" : false,
"mapModel" : null,
"name" : "Hosts",
"setterDocumentation" : "/**\n\t@param hosts Information about the Dedicated Hosts.\n*/\n@returns Returns a reference to this object so that method calls can be chained together.*\n",
"setterMethodName" : "setHosts",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n\t@param hosts Information about the Dedicated Hosts.\n\t@return Returns a reference to this object so that method calls can be chained together.\n*/\n",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "Information about the Dedicated Hosts.\n",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\t@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\t@return Returns a reference to this object so that method calls can be chained together.\n*/\n",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n",
"getterMethodName" : "getNextToken",
"getterModel" : null,
"name" : "NextToken",
"simple" : true,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Host>",
"templateType" : "java.util.List<Host>",
"templateTypeList" : false,
"templateTypeListSize" : 1,
"type" : "simple",
"xmlNameSpaceUri" : null,
"xmlNameSpacePrefix" : null,
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p><code>@return</code> Returns a reference to this object so that method calls can be chained together.</code>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return</p><p>Returns a reference to this object so that method calls can be chained together.</code>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"}
when there are no more results to return.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"Hosts" : {
"c2jName" : "Hosts",
"c2jShape" : "HostList",
"deprecated" : false,
"documentation" : "<p>Information about the Dedicated Hosts.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@param hosts
Information about the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHosts",
"getterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@return Information about the Dedicated Hosts.
*/",
"getterMethodName" : "getHosts",
"getterModel" : {
"returnType" : "java.util.List<Host>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Host",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Host",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Host",
"variableName" : "member",
"variableType" : "Host",
"documentation" : "",
"simpleType" : "Host",
"variableSetterType" : "Host"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Host",
"variableName" : "member",}
"variableType" : "Host",
"documentation" : "",
"simpleType" : "Host",
"variableSetterType" : "Host"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Host",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Host",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Host>",
"templateType" : "java.util.List<Host>"
],
"map" : false,
"mapModel" : null,
"name" : "Hosts",
"setterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@param hosts Information about the Dedicated Hosts.*/",
"setterMethodName" : "setHosts",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Dedicated Hosts.</p>
@param hosts Information about the Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Host>",
"variableName" : "hosts",
"variableType" : "java.util.List<Host>",
"documentation" : "Information about the Dedicated Hosts."",
"simpleType" : "List<Host>",
"variableSetterType" : "java.util.Collection<Host>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "variableUsage" : "nextToken"
  }
}
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

@returns Returns a reference to this object so that method calls can be chained together.

```java
{　
    "variable": {
        "variableDeclarationType": "DescribeHostsResult",
        "variableName": "describeHostsResult",
        "variableType": "DescribeHostsResult",
        "documentation": null,
        "simple": true,
        "variableSetterType": "DescribeHostsResult"
    },
    "wrapper": false
}
```

```
"DescribeIamInstanceProfileAssociationsRequest": {
    "c2jName": "DescribeIamInstanceProfileAssociationsRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    }
}
```
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeIamInstanceProfileAssociations",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ { 
  "c2jName" : "AssociationIds",
  "c2jShape" : "AssociationIdList",
  "deprecated" : false,
  "documentation" : "<p>One or more IAM instance profile associations.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more IAM instance profile associations.</p>
 @param associationIds One or more IAM instance profile associations.
 @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAssociationIds",
  "getterDocumentation" : "/**<p>One or more IAM instance profile associations.</p>
 @return One or more IAM instance profile associations.*/",
  "getterMethodName" : "getAssociationIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AssociationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AssociationId",
    "uri" : false
  }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\* param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\* return *
\*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AssociationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "AssociationId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\* @param member
\*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
    },
  },
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "AssociationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "AssociationIds",
"setterDocumentation" : "/**
@param associationIds
One or more IAM instance profile associations.
*/

@param associationIds
One or more IAM instance profile associations.*/",
"setterMethodName" : "setAssociationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "associationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param associationIds
One or more IAM instance profile associations.
*/

@param associationIds
One or more IAM instance profile associations.

@return
Returns a reference to this object so that method calls can be chained together.*/"
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",}
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},

"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.<p> <ul>
<li> <code>instance-id</code> - The ID of the instance.</li>
<li> <code>state</code> - The state of the association (\code{associating} | \code{associated} | \code{disassociating} | \code{disassociated}).</p> <li> <code>instance-id</code> - The ID of the instance.</li>
<li> <code>state</code> - The state of the association (\code{associating} | \code{associated} | \code{disassociating} | \code{disassociated}).</p> <li> <code>instance-id</code> - The ID of the instance.</li>
<li> <code>state</code> - The state of the association (\code{associating} | \code{associated} | \code{disassociating} | \code{disassociated}).</p> <li> <code>instance-id</code> - The ID of the instance.</li>
<li> <code>state</code> - The state of the association (\code{associating} | \code{associated} | \code{disassociating} | \code{disassociated}).

"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
The ID of the instance.</p>  
</li>  
<li>  
<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.</p>

```java
@<param>filters</param> One or more filters.
```

```java
@<code>instance-id</code> The ID of the instance.
```

```java
@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>  
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {<link setFilters(java.util.Collection)} or {<link withFilters(java.util.Collection)} if you want to override the existing values.
```
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n",\n  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
],
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "The token to request the next page of results.\n"",
"enumType" : null,
"fluentSetterDocumentation" : "The token to request the next page of results.\n"param nextToken
The token to request the next page of results.\n
@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to request the next page of results.\n\n@return The token to request the next page of results.\n",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "The token to request the next page of results.\n",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"simple": true,
"varargSetterDocumentation": "/**<p>The token to request the next page of results.</p>
@�포 nextToken
The token to request the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "<p>The token to request the next page of results.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
    "AssociationIds": {
        "c2jName": "AssociationIds",
        "c2jShape": "AssociationIdList",
        "deprecated": false,
        "documentation": "<p>One or more IAM instance profile associations.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>One or more IAM instance profile associations.</p>
        @param associationIds One or more IAM instance profile associations.
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withAssociationIds",
        "getterDocumentation": "/**<p>One or more IAM instance profile associations.</p>
        @return One or more IAM instance profile associations.*/",
        "getterMethodName": "getAssociationIds",
        "getterModel": {
            "returnType": "java.util.List<String>",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "AssociationId",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "AssociationId",
            "uri": false
        },
        "idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": false,
      "marshallLocationName": "AssociationId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "AssociationId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "member",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
"
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
].
"memberLocationName" : "AssociationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
],
"map" : false,
"mapModel" : null,
"name" : "AssociationIds",
"setterDocumentation" : "/**<p>One or more IAM instance profile associations. </p>
@param associationIds One or more IAM instance profile associations.*/",
"setterMethodName" : "setAssociationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "associationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"variable" : {
"variableDeclarationType" : "String",
"variableSetterType" : "java.util.Collection<String>",
"setterMethodName" : "setAssociationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "associationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"variable" : {
"variableDeclarationType" : "String",
"variableSetterType" : "java.util.Collection<String>",
"setterMethodName" : "setAssociationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "associationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "associationIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more IAM instance profile associations.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null,
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> 
<ul>
<li><code>instance-id</code> - The ID of the instance.</li>
<li><code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>
</ul>

@returns {Filter[]}

"fluentSetterDocumentation" : "/**
<p>One or more filters.</p>
<ul>
<li><code>instance-id</code> - The ID of the instance.</li>
<li><code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>).</li>
</ul>

@returns {Filter[]}

"getterDocumentation" : "@returns {Filter[]}

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member
*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be
chained together.*/",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "Filter",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
],
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "*/
 One or more filters.
 <ul>
 <li>
 <p> <code>instance-id</code> - The ID of the instance.
 </p>
 <li>
 <p> <code>state</code> - The state of the association (associating | associated | disassociating | disassociated).
 </p>
 <ul>
 <li>
 <p> <code>instance-id</code> - The ID of the instance.
 </p>
 <li>
 <p> <code>state</code> - The state of the association (associating | associated | disassociating | disassociated).
 </p>
 <ul>
 <li>
 <p> <code>instance-id</code> - The ID of the instance.
 </p>
 <li>
 <p> <code>state</code> - The state of the association (associating | associated | disassociating | disassociated).
 </p>
 <li>
 <p> <code>instance-id</code> - The ID of the instance.
 </p>
 <li>
 <p> <code>state</code> - The state of the association (associating | associated | disassociating | disassociated).
 </p>
 <li>
  "setterMethodName" : "setFilters",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>";
  

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"variableSetterType" : "java.util.Collection<Filter>" 
},
"simple" : false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values. </p>\n@<param filters One or more filters.</p> \n@<code>instance-id</code> - The ID of the instance.</p> \n@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>). </p>\n@<return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values. </p>\n@<param filters One or more filters.</p> \n@<code>instance-id</code> - The ID of the instance.</p> \n@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>). </p>\n@<return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values. </p>\n@<param filters One or more filters.</p> \n@<code>instance-id</code> - The ID of the instance.</p> \n@<code>state</code> - The state of the association (<code>associating</code> | <code>associated</code> | <code>disassociating</code> | <code>disassociated</code>). </p>\n@<return Returns a reference to this object so that method calls can be chained together.*/",  "xmlNameSpaceUri" : null,
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. </p>\n@<param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. </p>\n@<return Returns a reference to this object so that method calls can be chained together.*/",  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. </p>\n@<param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. </p>\n@<return Returns a reference to this object so that method calls can be chained together.*/",  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/*<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. </p>\n@<return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. */",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null,
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}.
"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "NextToken",
  "deprecated": false,
  "documentation": "<p>The token to request the next page of results.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/*<p>The token to request the next page of results.</p>
@param nextToken
The token to request the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "/*<p>The token to request the next page of results.</p>
@return The token to request the next page of results.*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "NextToken",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "NextToken",
  "setterDocumentation": "/*<p>The token to request the next page of results.</p>
@param nextToken
The token to request the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setNextToken",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": ""
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/*\n@param
token The token to request the next page of results.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token to request the next page of results.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIamInstanceProfileAssociationsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeIamInstanceProfileAssociationsRequest",
"variableName" : "describeIamInstanceProfileAssociationsRequest",
"variableType" : "DescribeIamInstanceProfileAssociationsRequest",
"documentation" : null,
"simpleType" : "DescribeIamInstanceProfileAssociationsRequest",
"variableSetterType" : "DescribeIamInstanceProfileAssociationsRequest"
},
"wrapper" : false
},
"DescribeIamInstanceProfileAssociationsResult" : {
"c2jName" : "DescribeIamInstanceProfileAssociationsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingUnmarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IamInstanceProfileAssociation",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "member",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
}.
"xmlNameSpaceUri" : null },
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"memberType" : "IamInstanceProfileAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IamInstanceProfileAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
"templateType" : "java.util.List<IamInstanceProfileAssociation>"
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"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfileAssociations",
"setterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.</p>*/",
"setterMethodName" : "setIamInstanceProfileAssociations",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "",
  "simpleType" : "List<IamInstanceProfileAssociation>",
  "variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.</p>*/
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "<p>Information about one or more IAM instance profile associations.</p>",
  "simpleType" : "List<IamInstanceProfileAssociation>",
  "variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
},
"xmlNameSpaceUri" : null },
{ "c2jName" : "NextToken",
"c2jShape" : "NextToken",
"setterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>
@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setIamInstanceProfileAssociations",
"setterModel" : {
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  "variableName" : "iamInstanceProfileAssociations",
  "variableType" : "java.util.List<IamInstanceProfileAssociation>",
  "documentation" : "",
  "simpleType" : "List<IamInstanceProfileAssociation>",
  "variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>"
},
"xmlNameSpaceUri" : null }
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"deprecated": false,
"documentation": "\p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return."",
"enumType": null,
"fluentSetterDocumentation": "\p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "\p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\returns The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName": "getNextToken",
"getterModel": {
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    "documentation": null
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "nextToken",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "\p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\returns The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName": "setNextToken",
"setterModel": {
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    "variableName": "nextToken",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

"simpleType" : "String",
"variableSetterType" : "String",
},
"xmlnsNamespaceUri" : null,"

"membersAsMap" : {
"IamInstanceProfileAssociations" : {
"c2jName" : "IamInstanceProfileAssociations",
"c2jShape" : "IamInstanceProfileAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about one or more IAM instance profile associations.</p>

@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.
@return Information about one or more IAM instance profile associations.

"fluentSetterMethodName" : "withIamInstanceProfileAssociations",
"getterDocumentation" : "/**<p>Information about one or more IAM instance profile associations.</p>

@param iamInstanceProfileAssociations Information about one or more IAM instance profile associations.
@return Information about one or more IAM instance profile associations.

"getterMethodName" : "getIamInstanceProfileAssociations",
"getterModel" : {
"returnType" : "java.util.List<IamInstanceProfileAssociation>",
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfileAssociationSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IamInstanceProfileAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getModel" : {
"returnType" : "IamInstanceProfileAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "member"
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"variableName" : "member",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileAssociation",
"variableName" : "member",
"variableType" : "IamInstanceProfileAssociation",
"documentation" : "",
"simpleType" : "IamInstanceProfileAssociation",
"variableSetterType" : "IamInstanceProfileAssociation"
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"simple" : false,
"simpleType" : "IamInstanceProfileAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
"templateType" : "java.util.List<IamInstanceProfileAssociation>",

"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IamInstanceProfileAssociation",
"mapModel" : null,
"name" : "IamInstanceProfileAssociations",
"setterDocumentation" : "/**\n\p>Information about one or more IAM instance profile
associations.\n\p>@param iamInstanceProfileAssociations Information about one or more IAM instance profile
associations.*/",
"setterMethodName" : "setIamInstanceProfileAssociations",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IamInstanceProfileAssociation>",
"variableName" : "iamInstanceProfileAssociations",
"variableType" : "java.util.List<IamInstanceProfileAssociation>",
"documentation" : "",
"simpleType" : "List<IamInstanceProfileAssociation>",
"variableSetterType" : "java.util.Collection<IamInstanceProfileAssociation>",
"simple" : false,
"varargSetterDocumentation" : "/**\n\p>Information about one or more IAM instance profile
associations.*/"
associations.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>{@link #setIamInstanceProfileAssociations(java.util.Collection)}</code> or <code>{@link #withIamInstanceProfileAssociations(java.util.Collection)}</code> if you want to override the existing values. Returns a reference to this object so that method calls can be chained together.

```java
public void setIamInstanceProfileAssociations(IamInstanceProfileAssociation... iamInstanceProfileAssociations) {
    getIamInstanceProfileAssociations().addAll(Arrays.asList(iamInstanceProfileAssociations));
}
```

```
public IamInstanceProfileAssociation withIamInstanceProfileAssociations(IamInstanceProfileAssociation... iamInstanceProfileAssociations) {
    getIamInstanceProfileAssociations().addAll(Arrays.asList(iamInstanceProfileAssociations));
    return this;
}
```

**Returns**

Returns a reference to this object so that method calls can be chained together.

```java
public List<IamInstanceProfileAssociation> getIamInstanceProfileAssociations() {
    return iamInstanceProfileAssociations;  
}
```

**Example:**

```java
public void listIamInstanceProfileAssociations() {
    try {
        IamInstanceProfileAssociationEntity iamInstanceProfileAssociation = iamInstanceProfileAssociationClient.listIamInstanceProfileAssociations(new ListIamInstanceProfileAssociationsRequest()
            .withNextToken(nextToken)
            .withMaxResults(maxResults)
            .withIamInstanceProfileAssociations(iamInstanceProfileAssociations)
        );
    } catch (IamInstanceProfileAssociationException e) {
        // handle exception
    }
}
```

**Documentation:**

Information about one or more IAM instance profile associations.

**Simple Type:** List&lt;IamInstanceProfileAssociation&gt;

**Variable:**

```java
protected com.amazonaws.services.ec2.model.IamInstanceProfileAssociation iamInstanceProfileAssociations;
```

**Getter:**

```java
public List<IamInstanceProfileAssociation> getIamInstanceProfileAssociations() {
    return iamInstanceProfileAssociations;  
}
```

**Setter:**

```java
public void setIamInstanceProfileAssociations(List<IamInstanceProfileAssociation> iamInstanceProfileAssociations) {
    this.iamInstanceProfileAssociations = iamInstanceProfileAssociations;
}
```

**Returns:**

Returns a reference to this object so that method calls can be chained together.

```java
public void setIamInstanceProfileAssociations(List<IamInstanceProfileAssociation> iamInstanceProfileAssociations) {
    this.iamInstanceProfileAssociations = iamInstanceProfileAssociations;
}
```

**Documentation:**

Information about one or more IAM instance profile associations.
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
"simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIamInstanceProfileAssociationsResult",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
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"variable" : {
   "variableDeclarationType" : "DescribeIamInstanceProfileAssociationsResult",
   "variableName" : "describeIamInstanceProfileAssociationsResult"}
"variableType" : "DescribeIamInstanceProfileAssociationsResult",
"documentation" : null,
"simpleType" : "DescribeIamInstanceProfileAssociationsResult",
"variableSetterType" : "DescribeIamInstanceProfileAssociationsResult"
},
"wrapper" : false
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"DescribeIdFormatRequest" : {
"c2jName" : "DescribeIdFormatRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeIdFormat.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "DescribeIdFormat",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : 'POST',
 "xmlNameSpaceUri" : null
},
"members" : {
 "c2jName" : "Resource",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
 "enumerate" : null,
 "getFluentSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>

@method get_resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>

@returns a reference to this object so that method calls can be chained together.*/",
 "getFluentSetterMethodName" : "withResource",
 "getGetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>

@method get_resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>

@returns a reference to this object so that method calls can be chained together.*/",
 "getMethod" : "get_resource",
 "getMethodModel" : {
}
"returnType" : "String",
"documentation" : null
}
,"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Resource",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
"setterMethodName" : "setResource",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "resource",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
@n@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/
"variable" : {
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   "variableName" : "resource",
   "variableType" : "String",
   "documentation" : ""<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
   "simpleType" : "String",}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
　"Resource" : {
　　"c2jName" : "Resource",
　　"c2jShape" : "String",
　　"deprecated" : false,
　　"enumType" : null,
　　"fluentSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
　　"getterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@returns The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
　　"getterMethodName" : "getResource",
　　"getterModel" : {
　　"returnType" : "String",
　　"documentation" : null
　}
　},
　"http" : {
　　"additionalMarshallingPath" : null,
　　"additionalUnmarshallingPath" : null,
　　"flattened" : false,
　　"greedy" : false,
　　"header" : false,
　　"isPayload" : false,
　　"isStreaming" : false,
　　"location" : null,
　　"marshallLocationName" : "Resource",
　　"queryString" : false,
　　"statusCode" : false,
　　"unmarshallLocationName" : "Resource",
　　"uri" : false
　},
　"idempotencyToken" : false,
　"list" : false,
　"listModel" : null,
　"map" : false,
　"mapModel" : null,
　"name" : "Resource",
　"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>\n@param resource The type of resource:
*/",
　"setterMethodName" : "setResource",
　"setterModel" : {
　　"returnType" : "String",
　　"documentation" : null
　}
};
**setterMethodName** : "setResource",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "resource",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The type of resource: <code>instance</code>*/",
"variable" : {
    "variableDeclarationType" : "DescribeIdFormatRequest",
    "variableName" : "describeIdFormatRequest",
    "variableType" : "DescribeIdFormatRequest",
    "documentation" : "null",
    "simpleType" : "DescribeIdFormatRequest",
    "variableSetterType" : "DescribeIdFormatRequest"
},
"wrapper" : false

"c2jName" : "DescribeIdFormatResult",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "\p<Contains the output of DescribeIdFormat.\p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ { 
  "c2jName" : "Statuses",
  "c2jShape" : "IdFormatList",
  "deprecated" : false,
  "documentation" : "\p<Information about the ID format for the resource.\p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\p<Information about the ID format for the resource.\p>@param statuses Information about the ID format for the resource.\n@return Returns a reference to this object so that method calls can be chained together.*\"",
  "fluentSetterMethodName" : "withStatuses",
  "getterDocumentation" : "\p<Information about the ID format for the resource.\p>@return Information about the ID format for the resource.\n*/",
  "getterMethodName" : "getStatuses",
  "getterModel" : { 
    "returnType" : "java.util.List<IdFormat>",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "StatusSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "statusSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "memberType" : "com.amazonaws.services.audits.model.IdFormat",
    "namePrefix" : "statuses",
    "pattern" : true,
    "traits" : { 
      "com.amazonaws.SdkInternalList\" : true
    }
  }
} ]}
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "IdFormat",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return *
   */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "IdFormat",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IdFormat",
  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
},
"simple" : false,
"varargSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.
   */"
method calls can be chained together.

```java
variable : {
    variableDeclarationType : "IdFormat",
    variableName : "member",
    variableType : "IdFormat",
    documentation : "",
    simpleType : "IdFormat",
    variableSetterType : "IdFormat"
},

memberLocationName : "item",
memberType : "IdFormat",
map : false,
marshallNonAutoConstructedEmptyLists : false,
memberAdditionalMarshallingPath : null,
memberAdditionalUnmarshallingPath : null,
sendEmptyQueryString : false,
simple : false,
simpleType : "IdFormat",
templateImplType : "com.amazonaws.internal.SdkInternalList<IdFormat>",
templateType : "java.util.List<IdFormat>
},

map : false,
mapModel : null,
name : "Statuses",
setterDocumentation : "/**\n*p>Information about the ID format for the resource.\n*\n@param statuses Information about the ID format for the resource.*/",
setterMethodName : "setStatuses",
setterModel : {
    variableDeclarationType : "com.amazonaws.internal.SdkInternalList<IdFormat>",
    variableName : "statuses",
    variableType : "java.util.List<IdFormat>",
    documentation : "",
    simpleType : "List<IdFormat>",
    variableSetterType : "java.util.Collection<IdFormat>"
},
simple : false,
varargSetterDocumentation : "/**\n*p>Information about the ID format for the resource.*/\n*\n@param statuses Information about the ID format for the resource.*/
*\n@return Returns a reference to this object so that method calls can be chained together.*/
```

"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
],
"xmlNameSpaceUri" : null
"
"membersAsMap" : {
  "Statuses" : {
    "c2jName" : "Statuses",
    "c2jShape" : "IdFormatList",
    "deprecated" : false,
    "documentation" : "<p>Information about the ID format for the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the ID format for the resource.<p>\n@param
statuses Information about the ID format for the resource.<p>\n@return Returns a reference to this object so that method
calls can be chained together.*/",
    "fluentSetterMethodName" : "withStatuses",
    "getterDocumentation" : "/**<p>Information about the ID format for the resource.<p>\n@return Information
about the ID format for the resource.*/",
    "getterMethodName" : "getStatuses",
    "getterModel" : {
      "returnType" : "java.util.List<IdFormat>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "StatusSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "statusSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "IdFormat",
        "deprecated" : false,
        "documentation" : "","}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IdFormat",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IdFormat",
"variableName" : "member",
"variableType" : "IdFormat",
"documentation" : "",
"simpleType" : "IdFormat",
"variableSetterType" : "IdFormat"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IdFormat",
"variableName" : "member",
"variableType" : "IdFormat"}
"documentation" : "",
"simpleType" : "IdFormat",
"variableSetterType" : "IdFormat"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IdFormat",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IdFormat",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType" : "java.util.List<IdFormat>"
},
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "/**<p>Information about the ID format for the resource.</p>
@param statuses
Information about the ID format for the resource.*/",
"setterMethodName" : "setStatuses",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the ID format for the
resource.</p>

NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setStatuses(java.util.Collection)} or {@link #withStatuses(java.util.Collection)} if you want to override the
existing values.</p>

@returns Information about the ID format for the resource.

@returns Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "<p>Information about the ID format for the resource.</p>",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeIdFormatResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null,
},
"variable" : {
  "variableDeclarationType" : "DescribeIdFormatResult",
  "variableName" : "describeIdFormatResult",
  "variableType" : "DescribeIdFormatResult",
  "documentation" : null,
  "simpleType" : "DescribeIdFormatResult",
  "variableSetterType" : "DescribeIdFormatResult"
},
"wrapper" : false
},
"DescribeIdentityIdFormatRequest" : {
  "c2jName" : "DescribeIdentityIdFormatRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeIdentityIdFormat.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeIdentityIdFormat",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "Resource",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> |
The type of resource: `<code>instance</code>` | `<code>reservation</code>` | `<code>snapshot</code>` | `<code>volume</code>`

```xml
<param resource The type of resource: `<code>instance</code>` | `<code>reservation</code>` | `<code>snapshot</code>` | `<code>volume</code>`>
@return Returns a reference to this object so that method calls can be chained together. */

```xml

<returns a reference to this object so that method calls can be chained together. */
```
"simple": true,
"varargSetterDocumentation": "/**<p>The type of resource: <code>instance</code> | 
<code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p> @param resource The type of resource: <code>instance</code> | <code>reservation</code> | 
<code>snapshot</code> | <code>volume</code> </p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "resource",
    "variableType": "String",
    "documentation": "/<p>The type of resource: <code>instance</code> | <code>reservation</code> | 
<code>snapshot</code> | <code>volume</code> </p>
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "PrincipalArn",
"c2jShape": "String",
"deprecated": false,
"documentation": "/<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
    @param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withPrincipalArn",
    "getterDocumentation": "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
    @return The ARN of the principal, which can be an IAM role, IAM user, or the root user.*/",
    "getterMethodName": "getPrincipalArn",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "PrincipalArn",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "principalArn",
        "uri": false
    },
    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrincipalArn",
"setterDocumentation" : "/**
 * The ARN of the principal, which can be an IAM role, IAM user, or the root user.
 */
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
*/",
"setterMethodName" : "setPrincipalArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ARN of the principal, which can be an IAM role, IAM user, or the root user.
 */
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "The ARN of the principal, which can be an IAM role, IAM user, or the root user.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}],
"membersAsMap" : {
"PrincipalArn" : {
  "c2jName" : "PrincipalArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ARN of the principal, which can be an IAM role, IAM user, or the root user.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
 * The ARN of the principal, which can be an IAM role, IAM user, or the root user.
 */
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withPrincipalArn",
  "getterDocumentation" : "/**
 * The ARN of theprincipal, which can be an IAM role, IAM user, or the root user.
 */
@return The ARN of the principal, which can be an IAM role, IAM user, or the root user.
*/",
  "getterMethodName" : "getPrincipalArn",
  "getterModel" : null
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrincipalArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "principalArn",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrincipalArn",
"setterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.*/",
"setterMethodname" : "setPrincipalArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>
@param principalArn The ARN of the principal, which can be an IAM role, IAM user, or the root user.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeIdentityIdFormat.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "Statuses",
  "c2jShape" : "IdFormatList",
  "deprecated" : false,
  "documentation" : "<p>Information about the ID format for the resources.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
  @param statuses Information about the ID format for the resources.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatuses",
  "getterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
  @return Information about the ID format for the resources.
  */",
  "getterMethodName" : "getStatuses",
  "getterModel" : {
    "returnType" : "java.util.List<IdFormat>",
    "documentation" : null
  }
],
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StatusSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : { 
    "c2jName" : "member",
  
```
"c2jShape" : "IdFormat",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "IdFormat",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IdFormat",
"variableName" : "member",
"variableType" : "IdFormat",
"documentation" : "",
"simpleType" : "IdFormat",
"variableSetterType" : "IdFormat"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
}
"variableDeclarationType" : "IdFormat",
"variableName" : "member",
"variableType" : "IdFormat",
"documentation" : "",
"simpleType" : "IdFormat",
"variableSetterType" : "IdFormat"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IdFormat",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IdFormat",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType" : "java.util.List<IdFormat>
}
},
"map" : false,
"mapModel" : null,
"name" : "Statuses",
"setterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
@param statuses
Information about the ID format for the resources.*/",
"setterMethodName" : "setStatuses",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>
}
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>Information about the ID format for the resources.</p>
NOTE: This method appends the values to the existing list (if any). Use { @link #set_statuses(java.util.Collection)} or { @link #with_statuses(java.util.Collection)} if you want to override the existing values.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName" : "statuses",
"variableType" : "java.util.List<IdFormat>",
"documentation" : "<p>Information about the ID format for the resources.</p>
",
"simpleType" : "List<IdFormat>",
"variableSetterType" : "java.util.Collection<IdFormat>"
method calls can be chained together. */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IdFormat",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IdFormat",
  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat",
  "variableSetterType" : "IdFormat"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "IdFormat",
  "variableName" : "member",
  "variableType" : "IdFormat",
  "documentation" : "",
  "simpleType" : "IdFormat"
"variableSetterType" : "IdFormat",
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "IdFormat",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "IdFormat",
"templateImplType": "com.amazonaws.internal.SdkInternalList<IdFormat>",
"templateType": "java.util.List<IdFormat>",
"map": false,
"mapModel": null,
"name": "Statuses",
"setterDocumentation": "/**<p>Information about the ID format for the resources.\n*\n@param statuses Information about the ID format for the resources.*/",
"setterMethodName": "setStatuses",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName": "statuses",
"variableType": "java.util.List<IdFormat>",
"documentation": "",
"simpleType": "List<IdFormat>",
"variableSetterType": "java.util.Collection<IdFormat>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the ID format for the resources.\n*\n@param statuses Information about the ID format for the resources.\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IdFormat>",
"variableName": "statuses",
"variableType": "java.util.List<IdFormat>",
"documentation": "<p>Information about the ID format for the resources.</p>",
"simpleType": "List<IdFormat>",
"variableSetterType": "java.util.Collection<IdFormat>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeIdentityIdFormatResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeIdentityIdFormatResult",
    "variableName" : "describeIdentityIdFormatResult",
    "variableType" : "DescribeIdentityIdFormatResult",
    "documentation" : null,
    "simpleType" : "DescribeIdentityIdFormatResult",
    "variableSetterType" : "DescribeIdentityIdFormatResult"
},
"wrapper" : false,
"DescribeImageAttributeRequest" : {
    "c2jName" : "DescribeImageAttributeRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeImageAttribute.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeImageAttribute",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "ImageId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the AMI.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "<p>The ID of the AMI.</p>
        }
    ]
}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Attribute",
"c2jShape" : "ImageAttributeName",
"deprecated" : false,
"documentation" : "<p>The AMI attribute.
</p><p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
</p>
"enumType" : "ImageAttributeName",
"fluentSetterDocumentation" : "/**
<p>The AMI attribute.
</p><p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
</p>
@param attribute The AMI attribute.
</p><p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**
<p>The AMI attribute.
</p><p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.
@return The AMI attribute.
</p>
@see ImageAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The AMI attribute. </p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI. 
@see ImageAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AMI attribute. </p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI. 
@return Returns a reference to this object so that method calls can be chained together. 
@see ImageAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The AMI attribute. </p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI. 
@see ImageAttributeName*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute",
    "c2jShape" : "ImageAttributeName",
    "deprecated" : false,
    "documentation" : "<p>The AMI attribute. </p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI. 
"
"enumType" : "ImageAttributeName",

"fluentSetterDocumentation" : "/**<p>The AMI attribute.</p> <p>Note</p>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</param>\n@return Returns a reference to this object so that method calls can be chained together.\n
"fluentSetterMethodName" : "withAttribute",

"getterDocumentation" : "/**<p>The AMI attribute.</p> <p>Note</p>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.\n@return The AMI attribute.</param>\n@see ImageAttributeName*/",

"getterMethodName" : "getAttribute",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Attribute",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Attribute",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Attribute",

"setterDocumentation" : "/**<p>The AMI attribute.</p> <p>Note</p>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</param>\n
"setterMethodName" : "setAttribute",

"setterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Attribute",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Attribute",
    "uri" : false
},

"idempotencyToken" : false,
ImageAttributeName*/",
  "setterMethodName" : "setAttribute",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "attribute",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/*\</p>\<p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.\</p>\<p>@param attribute The AMI attribute.\</p>\<p><b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.\</p>
  @see ImageAttributeName*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "attribute",
    "variableType" : "String",
    "documentation" : "<p>The AMI attribute.</p> <p> <b>Note</b>: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"ImageId" : {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\</p>\<p>The ID of the AMI.\</p>\<p>@param imageId The ID of the AMI.\</p>\<p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImageId",
  "getterDocumentation" : "/*\</p>\<p>The ID of the AMI.\</p>\<p>@return The ID of the AMI.*/",
  "getterMethodName" : "getImageId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ImageId", "Attribute" ],
"shapeName" : "DescribeImageAttributeRequest",
"unmarshallers" : null,
"variable": {
  "variableDeclarationType": "DescribeImageAttributeRequest",
  "variableName": "describeImageAttributeRequest",
  "variableType": "DescribeImageAttributeRequest",
  "documentation": null,
  "simpleType": "DescribeImageAttributeRequest",
  "variableSetterType": "DescribeImageAttributeRequest"
},
"wrapper": false
},
"DescribeImageAttributeResult": {
  "c2jName": "DescribeImageAttributeResult",
  "customization": {
    "artificialResultWrapper": {
      "wrappedMemberName": "ImageAttribute",
      "wrappedMemberSimpleType": "ImageAttribute"
    },
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "A simple result wrapper around the ImageAttribute object that was sent over the wire.",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    {
      "c2jName": "ImageAttribute",
      "c2jShape": "ImageAttribute",
      "deprecated": false,
      "documentation": "<p>Describes an image attribute.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**\n@p>Describes an image attribute.\n\n@p@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withImageAttribute",
      "getterDocumentation": "/**\n@p>Describes an image attribute.\n\n@p@return Describes an image attribute.*/",
      "getterMethodName": "getImageAttribute",
      "getterModel": {
        "returnType": "ImageAttribute",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null
      }
    }
  ]
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageAttribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageAttribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageAttribute",
"setterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageAttribute",
"setterModel" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "",
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ImageAttribute",
  "variableName" : "imageAttribute",
  "variableType" : "ImageAttribute",
  "documentation" : "<p>Describes an image attribute.</p>",
  "simpleType" : "ImageAttribute",
  "variableSetterType" : "ImageAttribute"
},
"xmlNameSpaceUri" : null
}]},
"membersAsMap" : {
"ImageAttribute" : {
  "c2jName" : "ImageAttribute",
  "c2jShape" : "ImageAttribute",
  "deprecated" : false,
  "documentation" : "<p>Describes an image attribute.</p>"},
"xmlNameSpaceUri" : null
}]},
"membersAsMap" : {
"ImageAttribute" : {
  "c2jName" : "ImageAttribute",
  "c2jShape" : "ImageAttribute",
  "deprecated" : false,
  "documentation" : "<p>Describes an image attribute.</p>"},
"xmlNameSpaceUri" : null
}];
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageAttribute",
"getterDocumentation" : "/**<p>Describes an image attribute.</p>
@return Describes an image attribute.*/",
"getterMethodName" : "getImageAttribute",
"getterModel" : {
"returnType" : "ImageAttribute",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageAttribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageAttribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageAttribute",
"setterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImageAttribute",
"setterModel" : {
"variableDeclarationType" : "ImageAttribute",
"variableName" : "imageAttribute",
"variableType" : "ImageAttribute",
"documentation" : "",
"simpleType" : "ImageAttribute",
"variableSetterType" : "ImageAttribute"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes an image attribute.</p>
@param imageAttribute Describes an image attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ImageAttribute",
"variableName" : "imageAttribute",
"variableType" : "ImageAttribute",..."
"variableType" : "ImageAttribute",
"documentation" : "<p>Describes an image attribute.</p>",
"simpleType" : "ImageAttribute",
"variableSetterType" : "ImageAttribute"},
"xmlNameSpaceUri" : null},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImageAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeImageAttributeResult",
  "variableName" : "describeImageAttributeResult",
  "variableType" : "DescribeImageAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeImageAttributeResult",
  "variableSetterType" : "DescribeImageAttributeResult"
},
"wrapper" : false
},
"DescribeImagesRequest" : {
  "c2jName" : "DescribeImagesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeImages.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeImages",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "DescribeImageAttributeResult",
    "variableName" : "describeImageAttributeResult",
    "variableType" : "DescribeImageAttributeResult",
    "documentation" : null,
    "simpleType" : "DescribeImageAttributeResult",
    "variableSetterType" : "DescribeImageAttributeResult"
  },
  "wrapper" : false
}
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ImageId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ImageIds",
"setterDocumentation" : "/**<p>One or more image IDs.</p> Default: Describes all images available to you.<p><em>@param imageIds One or more image IDs.</em></p> Default: Describes all images available to you.*\*/",
"setterMethodName" : "setImageIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "imageIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more image IDs.</p> Default: Describes all images available to you.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [link #setImageIds(java.util.Collection)] or [link #withImageIds(java.util.Collection)] if you want to override the existing values.<p><em>@param imageIds One or more image IDs.</em></p> Default: Describes all images available to you.<p><em>@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "imageIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more image IDs.</p> Default: Describes all images available to you.*\**,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "Owners",
"c2jShape" : "OwnerStringList",
"deprecated" : false,
"documentation" : "Filters the images by the owner. Specify an AWS account ID. <code>self</code>
"
owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.

```java
public List<String> getOwners() {
    return getOwners();
}
```

```
withOwners(owners)
```

```
public List<String> withOwners(String owners) {
    return withOwners(owners);
}
```

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Owner
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Owner
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Owner",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Owner",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
,
"memberLocationName" : "Owner",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
,"map" : false,
"mapModel" : null,
"name" : "Owners",
"setterDocumentation" : "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n</code><b>Note:</b> This method appends the values to the existing list (if any). Use {@link #setOwners(java.util.Collection)} or {@link #withOwners(java.util.Collection)} if you want to override the existing values.</p>\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>
.<p>\n**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n</code> */",
"setterMethodName" : "setOwners",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "owners",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
,"simple" : false,
"varargSetterDocumentation" : "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>\n</code> */", setOwners("setOwners") or {setOwners("setOwners")};
"marshallLocationName" : "ExecutableBy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ExecutableBy",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/\*\n@return */",
"getMethodName" : "getMember",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ExecutableBy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ExecutableBy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/\*\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ExecutableBy",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
,"map" : false,
"mapModel" : null,
"name" : "ExecutableUsers",
"setterDocumentation" : "/**
Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).<p>\n@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).*/",
"setterMethodName" : "setExecutableUsers",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "executableUsers",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>"
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/*
Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).

NOTE: This method appends the values to the existing list (if any). Use {@link #setExecutableUsers(java.util.Collection)} or { @link #withExecutableUsers(java.util.Collection)} if you want to override the existing values.

@link java.lang.UnsupportedOperationException

@param executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).

@link java.lang.UnsupportedOperationException

@return Returns a reference to this object so that method calls can be chained together.*"*/
,"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "executableUsers",
    "variableType" : "java.util.List<String>",
    "documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).

simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.

- <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>).  
- <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.  
- <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).  
- <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.  
- <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.  
- <code>description</code> - The description of the image (provided during image creation).  
- <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.  
- <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).  
- <code>image-id</code> - The ID of the image.  
- <code>is-public</code> - A Boolean that indicates whether the image is public.  
- <code>kernel-id</code> - The kernel ID.  
- <code>name</code> - The name of the AMI (provided during image creation).  
- <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>amazonaws</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.  
- <code>owner-id</code> - The AWS account ID of the image owner.  
- <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform.windows</code>.  
- <code>ramdisk-id</code> - The RAM disk ID.
"}
<p><code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>). </p>
<li> <p><code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </p></li>
<li> <p><code>state-reason-code</code> - The reason code for the state change. </p></li>
<li> <p><code>state-reason-message</code> - The message for the state change. </p></li>
</ul>
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. </p> 
</li>
<li><p>`<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `\tag-key=`Purpose`\" and the filter `\tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. 
</p></li>
<li><p>`<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter `\tag-key=`Purpose`\" and the filter `\tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. 
</p></li>
<li><p>`<code>virtualization-type</code>` - The virtualization type (paravirtual | hvm). 
</p></li>
<li><p>`<code>block-device-mapping.delete-on-termination</code>` - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. 
</p></li>
<li><p>`<code>block-device-mapping.device-name</code>` - The device name for the EBS volume (for example, `/dev/sdh`). 
</p></li>
<li><p>`<code>block-device-mapping.volume-size</code>` - The volume size of the EBS volume, in GiB. 
</p></li>
<li><p>`<code>block-device-mapping.volume-type</code>` - The volume type of the EBS volume (gp2 | io1 | st1 | sc1 | standard). 
</p></li>
<li><p>`<code>block-device-mapping.snapshot-id</code>` - The ID of the snapshot used for the EBS volume. 
</p></li>
<li><p>`<code>block-device-mapping.volume-type</code>` - The type of the root device volume (ebs | instance-store). 
</p></li>
<li><p>`<code>description</code>` - The description of the image (provided during image creation). 
</p></li>
<li><p>`<code>ena-support</code>` - A Boolean that indicates whether enhanced networking with ENA is enabled. 
</p></li>
<li><p>`<code>hypervisor</code>` - The hypervisor type (ovm | xen). 
</p></li>
<li><p>`<code>image-id</code>` - The ID of the image. 
</p></li>
<li><p>`<code>image-type</code>` - The type of the image (machine | kernel | ramdisk). 
</p></li>
<li><p>`<code>is-public</code>` - A Boolean that indicates whether the image is public. 
</p></li>
<li><p>`<code>kernel-id</code>` - The kernel ID. 
</p></li>
<li><p>`<code>manifest-location</code>` - The location of the image manifest. 
</p></li>
<li><p>`<code>owner-alias</code>` - String value from an Amazon-maintained list (amazon | aws-marketplace | microsoft | aws-marketplace | microsoft). Not to be confused with the user-configured AWS account alias, which is set from the IAM console. 
</p></li>
<li><p>`<code>owner-id</code>` - The AWS account ID of the image owner. 
</p></li>
<li><p>`<code>platform</code>` - The platform. To only list Windows-based AMIs, use `windows`. 
</p></li>
</p></li>
<li><p>`<code>product-code.type</code>` - The type of the product code (devpay | marketplace). 
</p></li>
<li><p>`<code>ramdisk-id</code>` - The RAM disk ID. 
</p></li>
<li><p>`<code>root-device-name</code>` - The name of the root device volume (for example, `/dev/sda1`). 
</p></li>
<li><p>`<code>root-device-type</code>` - The type of the root device volume (ebs | instance-store). 
</p></li>
<li><p>`<code>state</code>` - The state of the image (available | pending | failed). 
</p></li>
<li><p>`<code>state-reason-code</code>` - The reason code for the state change. 
</p></li>
<li><p>`<code>state-reason-message</code>` - The message for the state change. 
</p></li>
<li><p>`<code>tag</code>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 
</p></li>
<li><p>`<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `\tag-key=`Purpose`\" and the filter `\tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. 
</p></li>
<li><p>`<code>tag-value</code>` - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**
 * One or more filters.
 */

<code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>). The device name for the EBS volume (for example, <code>/dev/sdh</code>.), <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. <code>block-device-mapping.device-name</code> - The device name for the EBS volume, in GiB. <code>block-device-mapping.device-type</code> - The type of the EBS volume (<code>ebs</code> | <code>instance-store</code>). <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>.), <code>state-reason-code</code> - The reason code for the state change. <code>state-reason-message</code> - The message for the state change.,<code>tag-key</code>:<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.,<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.,<code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.,<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag:Purpose</code>:<i>value</i>.

"virtualSourceUsedInVirtualizedVoiceBrowser"

<i>Open Source Used In Virtualized Voice Browser 12.6(1) 21187</i>

"Virtualized Voice Browser 12.6(1) 21187"
volume (for example, <code>/dev/sdh</code>).</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (</p> 
<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (</p> 
<li> <p> <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>). </p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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"interfaceType" : "java.util.List",
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"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
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"list" : false,
"listModel" : null,
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"setterModel": {
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  "variableName": "member",
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  "documentation": "",
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},
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**\nOne or more filters.\n\</ul>  
| <li> <p> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>).\n</li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.\n</li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).\n</li> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.\n</li> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.\n</li> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> |
<code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>).</p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). </p> 
<li> <p> <code>image-id</code> - The ID of the image.</p> 
<li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). </p> 
<li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> 
<li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 
<li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>machine</code>.</p> 
<li> <p> <code>product-code</code> - The product code.</p> 
<li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>).</p> 
<li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> 
<li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</p> 
<li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</p> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> 
<li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). </p> 
<li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> 
<li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).</p> 
<li> <p> <code>block-device-mapping.volume-id</code> - The ID of the EBS volume in the volume size.</p> 
<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 
<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 
<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 
<li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). </p> 
<li> <p> <code>image-id</code> - The ID of the image.</p> 
<li> <p> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). </p> 
<li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> 
<li> <p> <code>kernel-id</code> - The kernel ID.</p> 
<li> <p> <code>manifest-location</code> - The location of the image manifest.</p>
manifest.<p> </p> - The name of the AMI (provided during image creation).<p> </p> - The image architecture (<code>i386</code> | <code>x86_64</code>).<p> </p> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.<p> </p> - The ID of the snapshot used for the EBS volume.<p> </p> - The ID of the EBS volume, in GiB.<p> </p> - The type of the EBS volume (one of <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, <code>standard</code>).<p> </p> - The description of the image (provided during image creation).<p> </p> - A Boolean that indicates whether enhanced networking with ENA is enabled.<p> </p> - The ID of the image. The example tags include:<p> </p> - The name assigned to the AMI during creation.<p> </p> - The AWS account ID of the image owner.<p> </p> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).<p> </p> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).<p> </p> - The reason code for the state change.<p> </p> - The message for the state change. The setter method names and model types are as follows:
code. &lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;product-code.type&lt;/code&gt; - The type of the product code (&lt;code&gt;devpay&lt;/code&gt; | &lt;code&gt;marketplace&lt;/code&gt;).
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;ramdisk-id&lt;/code&gt; - The RAM disk ID.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;root-device-name&lt;/code&gt; - The name of the root device volume (for example, &lt;code&gt;/dev/sda1&lt;/code&gt;).
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;root-device-type&lt;/code&gt; - The type of the root device volume ( &lt;code&gt;ebs&lt;/code&gt; | &lt;code&gt;instance-store&lt;/code&gt;).
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;state&lt;/code&gt; - The state of the image ( &lt;code&gt;available&lt;/code&gt; | &lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;failed&lt;/code&gt;).
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;state-reason-code&lt;/code&gt; - The reason code for the state change.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;state-reason-message&lt;/code&gt; - The message for the state change.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;tag&lt;/code&gt;: &lt;\i&gt;&lt;\p&gt; &lt;code&gt;key&lt;/code&gt;= &lt;\i&gt;&lt;\p&gt; &lt;code&gt;value&lt;/code&gt;&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is).
If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;\i&gt;&lt;\p&gt; &lt;code&gt;key&lt;/code&gt;= &lt;\i&gt;&lt;\p&gt; &lt;code&gt;value&lt;/code&gt;&lt;/i&gt; filter.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.
&lt;\p&gt; &lt;\li&gt; &lt;\p&gt; &lt;code&gt;virtualization-type&lt;/code&gt; - The virtualization type ( &lt;code&gt;paravirtual&lt;/code&gt; | &lt;code&gt;hvm&lt;/code&gt;).
&lt;\p&gt; &lt;\li&gt; &lt;\ul&gt;

"simpleType" : "List&lt;Filter&gt;",
"variableSetterType" : "java.util.Collection&lt;Filter&gt;"
},
"xmlnsNameSpaceUri" : "null"
],
"membersAsMap" : {
"ExecutableUsers" : {
"c2jName" : "ExecutableUsers",
"c2jShape" : "ExecutableByStringList",
"deprecated" : false,
"documentation" : "&lt;\p&gt;Scopes the images by users with explicit launch permissions. Specify an AWS account ID, &lt;code&gt;self&lt;/code&gt; (the sender of the request), or &lt;code&gt;all&lt;/code&gt; (public AMIs).&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;\p&gt;Scopes the images by users with explicit launch permissions. Specify an AWS account ID, &lt;code&gt;self&lt;/code&gt; (the sender of the request), or &lt;code&gt;all&lt;/code&gt; (public AMIs).&lt;/p&gt;\n@returns executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, &lt;code&gt;self&lt;/code&gt; (the sender of the request), or &lt;code&gt;all&lt;/code&gt; (public AMIs).\n\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withExecutableUsers",
"getterDocumentation" : "/**&lt;\p&gt;Scopes the images by users with explicit launch permissions. Specify an AWS account ID, &lt;code&gt;self&lt;/code&gt; (the sender of the request), or &lt;code&gt;all&lt;/code&gt; (public AMIs).&lt;/p&gt;\n@returns executableUsers Scopes the images by users with explicit launch permissions. Specify an AWS account ID, &lt;code&gt;self&lt;/code&gt; (the sender of the request), or &lt;code&gt;all&lt;/code&gt; (public AMIs).\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
"getterMethodName" : "getExecutableUsers",
"getModel" : {
"returnType" : "java.util.List&lt;String&gt;",
"documentation" : null
},
"http" : {
"simpleType" : null,
"variableSetterType" : null
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ExecutableBy",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "ExecutableBy",
      "uri": false
    },
    "getterDocumentation": "/**
@returns Returns a reference to this object so that
method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ExecutableBy",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "ExecutableBy",
      "uri": false
    }
  }
}
Scopes the images by users with explicit launch permissions. Specify an AWS account ID, `<code>self</code>` (the sender of the request), or `<code>all</code>` (public AMIs). 

**setterDocumentation**: ```/*
**\n@<param executableUsers>
**\n*/```
AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs). */

setterMethodName" : "setExecutableUsers",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "executableUsers",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "complexType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Scopes the images by users with explicit launch permissions. Specify
an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public
AMIs).<p>&lt;/p&gt;&lt;p&gt;NOTE:&lt;/p&gt; This method appends the values to the existing list (if any). Use { @link
#setExecutableUsers(java.util.Collection)} or { @link
#withExecutableUsers(java.util.Collection)} if you want to
override the existing values.&lt;/p&gt;&lt;p&gt;@param executableUsers Scopes the images by users with explicit launch
permissions. Specify an AWS account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).
&lt;/p&gt;".

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "executableUsers",
  "variableType" : "java.util.List<String>",
  "documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS
account ID, <code>self</code> (the sender of the request), or <code>all</code> (public AMIs).
  "complexType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters.
  "complexType" : "FilterList",
  "description" : - The image architecture (<code>i386</code> | <code>x86_64</code>.
  "complexType" : "FilterList",
  "description" : - The device name for the EBS volume (for example, <code>/dev/sdh</code>).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;block-device-mapping.delete-on-termination&lt;/code&gt; - A Boolean value that indicates whether the Amazon EBS volume is deleted
on instance termination.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;block-device-mapping.device-name&lt;/code&gt; - The device name
for the EBS volume (for example, <code>/dev/sdh</code>).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;block-device-mapping.snapshot-id&lt;/code&gt; - The ID of the snapshot used for the EBS volume.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;block-device-mapping.size&lt;/code&gt; - The volume size of the EBS volume, in GiB.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;block-device-mapping.volume-type&lt;/code&gt; - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;description&lt;/code&gt; - The description of the image (provided during image creation).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;ena-support&lt;/code&gt; - A Boolean that indicates whether enhanced networking with ENA is enabled.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;hypervisor&lt;/code&gt; - The hypervisor type (<code>ovm</code> | <code>xen</code>).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;image-id&lt;/code&gt; - The ID of the image.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;image-type&lt;/code&gt; - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;&lt;code&gt;is-public&lt;/code&gt; - A Boolean that indicates whether the image is public.<p>&lt;/p&gt;&lt;/li&gt;&lt;/p&gt;
id</code> - The kernel ID.</p> 

<li> <p> <code>manifest-location</code> - The location of the image manifest.</p> 

<li> <p> <code>name</code> - The name of the AMI (provided during image creation).</p> 

<li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 

<li> <p> <code>owner-id</code> - The AWS account ID of the image owner.</p> 

<li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=x86_64</code>.</p> 

<li> <p> <code>product-code</code> - The product code.</p> 

<li> <p> <code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>).</p> 

<li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> 

<li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</p> 

<li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</p> 

<li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).</p> 

<li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> 

<li> <p> <code>state-reason-message</code> - The message for the state change.</p> 

<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> 

<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> 

<li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).</p> 

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>One or more filters.</p> 

<li> <p> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>).</p> 

<li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> 

<li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).</p> 

<li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> 

<li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> 

<li> <p> <code>description</code> - The description of the image (provided during image creation).</p> 

<li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> 

<li> <p> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).</p> 

<li> <p> <code>image-id</code> - The ID of the image.</p> 

<li> <p> <code>image-type</code> - The type of the image (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).</p> 

<li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> 

<li> <p> <code>kernel-id</code> - The kernel ID.</p> 

<li> <p> <code>manifest-location</code> - The location of the image manifest.</p> 

<li> <p> <code>name</code> - The name of the AMI (provided during image creation).</p> 

<li> <p> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 

<li> <p> <code>owner-id</code> - The AWS account ID of the image owner.</p> 

<li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=x86_64</code>.</p>
Windows-based AMIs, use `<code>windows</code>`.

- `<code>product-code</code>` - The product code.
- `<code>product-code.type</code>` - The type of the product code (`<code>devpay</code>` | `<code>marketplace</code>`).
- `<code>ramdisk-id</code>` - The RAM disk ID.
- `<code>root-device-name</code>` - The name of the root device volume (for example, `<code>/dev/sda1</code>`).
- `<code>root-device-type</code>` - The type of the root device volume (`<code>ebs</code>` | `<code>instance-store</code>`).
- `<code>state</code>` - The state of the image (`<code>available</code>` | `<code>pending</code>` | `<code>failed</code>`).
- `<code>state-reason-code</code>` - The reason code for the state change.
- `<code>tag</code>:<i>key</i>=<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.
- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag’s value is), and the tag value `X` (regardless of what the tag’s key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag:tag</code>:<i>key</i>=<i>value</i>` filter.
- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.
- `<code>virtualization-type</code>` - The virtualization type (`<code>paravirtual</code>` | `<code>hvm</code>`).
- `<code>block-device-mapping.delete-on-termination</code>` - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.
- `<code>block-device-mapping.device-name</code>` - The device name for the EBS volume (for example, `<code>/dev/sdh</code>`).
- `<code>block-device-mapping.snapshot-id</code>` - The ID of the snapshot used for the EBS volume.
- `<code>block-device-mapping.volume-size</code>` - The volume size of the EBS volume, in GiB.
- `<code>block-device-mapping-volume-type</code>` - The type of the EBS volume (`<code>gp2</code>` | `<code>io1</code>` | `<code>st1</code>` | `<code>sc1</code>` | `<code>standard</code>`).
- `<code>description</code>` - The description of the image (provided during image creation).
- `<code>ena-support</code>` - A Boolean that indicates whether enhanced networking with ENA is enabled.
- `<code>hypervisor</code>` - The hypervisor type (`<code>ovm</code>` | `<code>xen</code>`).
- `<code>image-id</code>` - The ID of the image.
- `<code>image-type</code>` - The image type (`<code>machine</code>` | `<code>kernel</code>` | `<code>ramdisk</code>`).
- `<code>is-public</code>` - A Boolean that indicates whether the image is public.
- `<code>kernel-id</code>` - The kernel ID.
- `<code>manifest-location</code>` - The location of the image manifest.
- `<code>name</code>` - The name of the AMI (provided during image creation).
- `<code>owner-alias</code>` - String value from an Amazon-maintained list (`<code>amazon</code>` | `<code>aws-marketplace</code>` | `<code>microsoft</code>`) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
- `<code>owner-id</code>` - The AWS account ID of the image owner.
- `<code>platform</code>` - The platform. To only list Windows-based AMIs, use `<code>windows</code>`.
- `<code>product-code</code>` - The product code.
- `<code>product-code.type</code>` - The type of the product code (`<code>devpay</code>` | `<code>marketplace</code>`).
- `<code>ramdisk-id</code>` - The RAM disk ID.
- `<code>root-device-name</code>` - The name of the root device volume (for example, `<code>/dev/sda1</code>`).
- `<code>root-device-type</code>` - The type of the root device volume (`<code>ebs</code>` | `<code>instance-store</code>`).
- `<code>state</code>` - The state of the image (`<code>available</code>` | `<code>pending</code>` | `<code>failed</code>`).
message </code> - The message for the state change.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>microsoft</code>). </p> <h2> "<code>fluentSetterMethodName</code>" : "withFilters",

getterDocumentation" : "*/p> One or more filters.</p> <li> <p> <code>architecture</code> - The image architecture. <code>
image-architecture</code>:<i>type</i> = <i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>). </p> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</p> <li> <p> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</p> <li> <p> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>).</p> <li> <p> <code>description</code> - The description of the image (provided during image creation).</p> <li> <p> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</p> <li> <p> <code>hypervisor</code> - The hypervisor type (<code>xen</code> | <code>ovm</code>).</p> <li> <p> <code>image-id</code> - The ID of the image.</p> <li> <p> <code>image-type</code> - The type of the image (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).</p> <li> <p> <code>is-public</code> - A Boolean that indicates whether the image is public.</p> <li> <p> <code>kernel-id</code> - The kernel ID.</p> <li> <p> <code>manifest-location</code> - The location of the image manifest.</p> <li> <p> <code>owner-alias</code> - The name of the AMI (provided during image creation).</p> <li> <p> <code>owner-id</code> - String value from an Amazon-maintained list of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=windows</code>.</p> <li> <p> <code>product-code</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>). </p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</p> <li> <p> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</p> <li> <p> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).</p> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> <li> <p> <code>state-reason-message</code> - The message for the state change.</p> <li> <p> <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
    },
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@parm member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/** One or more filters. */

  <ul><li> <code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>). </li>
  <li> <code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. </li>
  <li> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>). </li>
  <li> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume. </li>
  <li> <code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB. </li>
  <li> <code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>sc1</code> | <code>standard</code>). </li>
  <li> <code>description</code> - The description of the image (provided during image creation). </li>
  <li> <code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled. </li>
  <li> <code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>). </li>
  <li> <code>image-id</code> - The ID of the image. </li>
  <li> <code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). </li>
  <li> <code>is-public</code> - A Boolean that indicates whether the image is public. </li>
  <li> <code>kernel-id</code> - The kernel ID. </li>
  <li> <code>manifest-location</code> - The location of the image manifest. </li>
  <li> <code>name</code> - The name of the AMI (provided during image creation). </li>
  <li> <code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </li>
  <li> <code>owner-id</code> - The AWS account ID of the image owner. </li>
  <li> <code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>. </li>
  <li> <code>product-code</code> - The product code. </li>
  <li> <code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>). </li>
  <li> <code>ramdisk-id</code> - The RAM disk ID. </li>
  <li> <code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>). </li>
  <li> <code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>). </li>
  <li> <code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). </li>
  <li> <code>state-reason-code</code> - The reason code for the state change. </li>
  <li> <code>state-reason-message</code> - The message for the state change. </li>
  <li> <code>tag</code>:<i>key</i>="<i>value</i>"> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </li>
  <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>="<i>value</i>" filter. </li>
  <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </li>
  <li> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>). </li>
  <li> <code>volume-attachment</code>:<i>key</i>="<i>value</i>"> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination. </li>
  <li> <code>volume-attachment.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>). </li>
  <li> <code>volume-attachment.snapshot-id</code> - The ID of the snapshot used for the EBS volume. </li>
  <li> <code>volume-attachment.volume-size</code> - The volume size of the EBS volume, in GiB. </li>
</ul>
<code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>st1</code> | <code>sc1</code> | <code>standard</code>).  

<code>description</code> - The description of the image (provided during image creation).  

<code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.  

<code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).  

<code>image-id</code> - The ID of the image.  

<code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).  

<code>is-public</code> - A Boolean that indicates whether the image is public.  

<code>kernel-id</code> - The kernel ID.  

<code>manifest-location</code> - The location of the image manifest.  

<code>name</code> - The name of the AMI (provided during image creation).  

<code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Not to be confused with the user-configured AWS account alias, which is set from the IAM console.  

<code>owner-id</code> - The AWS account ID of the image owner.  

<code>platform</code> - The platform. To only list Windows-based AMIs, use <code>platform=windows</code>.  

<code>product-code</code> - The product code.  

<code>ramdisk-id</code> - The RAM disk ID.  

<code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).  

<code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).  

<code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).  

<code>state-reason-code</code> - The reason code for the state change.  

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose</code> for the filter value.  

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.  

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.  

<code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).  

<code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.
for the EBS volume (for example, `<code>/dev/sdh</code>`).\)</li>\</li>\</li>
<li><p>`<code>block-device-mapping.snapshot-id</code>` - The ID of the snapshot used for the EBS volume.</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.volume-size</code>` - The volume size of the EBS volume, in GiB.</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.volume-type</code>` - The volume type of the EBS volume ( `<code>gp2</code>` | `<code>io1</code>` | `<code>st1</code>` | `<code>sc1</code>` | `<code>standard</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>description</code>` - The description of the image (provided during image creation).</p>\</li>\</li>\</li>
<li><p>`<code>ena-support</code>` - A Boolean that indicates whether enhanced networking with ENA is enabled.</p>\</li>\</li>\</li>
<li><p>`<code>hypervisor</code>` - The hypervisor type (`<code>ovm</code>` | `<code>xen</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>image-id</code>` - The ID of the image.</p>\</li>\</li>\</li>
<li><p>`<code>image-type</code>` - The image type (`<code>machine</code>` | `<code>kernel</code>` | `<code>ramdisk</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>is-public</code>` - A Boolean that indicates whether the image is public.</p>\</li>\</li>\</li>
<li><p>`<code>kernel-id</code>` - The kernel ID.</p>\</li>\</li>\</li>
<li><p>`<code>manifest-location</code>` - The location of the image manifest.</p>\</li>\</li>\</li>
<li><p>`<code>name</code>` - The name of the AMI (provided during image creation).</p>\</li>\</li>\</li>
<li><p>`<code>owner-alias</code>` - String value from an Amazon-maintained list ( `<code>amazon</code>` | `<code>aws-marketplace</code>` | `<code>microsoft</code>` ) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>\</li>\</li>\</li>
<li><p>`<code>owner-id</code>` - The AWS account ID of the image owner.</p>\</li>\</li>\</li>
<li><p>`<code>platform</code>` - The platform. To only list Windows-based AMIs, use `<code>platform=windows</code>`.</p>\</li>\</li>\</li>
<li><p>`<code>product-code</code>` - The product code.</p>\</li>\</li>\</li>
<li><p>`<code>product-code.type</code>` - The type of the product code ( `<code>devpay</code>` | `<code>marketplace</code>` | `<code>standard</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>ramdisk-id</code>` - The RAM disk ID.</p>\</li>\</li>\</li>
<li><p>`<code>root-device-name</code>` - The name of the root device volume (for example, `<code>/dev/sda1</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>root-device-type</code>` - The type of the root device volume (`<code>ebs</code>` | `<code>instance-store</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>state</code>` - The state of the image (`<code>available</code>` | `<code>pending</code>` | `<code>failed</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>state-reason-code</code>` - The reason code for the state change.</p>\</li>\</li>\</li>
<li><p>`<code>state-reason-message</code>` - The message for the state change.</p>\</li>\</li>\</li>
<li><p>`<code>tag:&amp;lt;key&amp;gt;&amp;lt;value&amp;gt;&lt;/code&gt;` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p>\</li>\</li>\</li>
<li><p>`<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=VALUE"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only sources where Purpose is X, see the</p>\</li>\</li>\</li>
<li><p>`<code>tag:&amp;lt;key&amp;gt;&amp;lt;value&amp;gt;&lt;/code&gt;` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p>\</li>\</li>\</li>
<li><p>`<code>virtualization-type</code>` - The virtualization type (`<code>paravirtual</code>` | `<code>hvm</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>virtualization-type</code>` - The virtualization type (`<code>paravirtual</code>` | `<code>hvm</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.delete-on-termination</code>` - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.device-name</code>` - The device name for the EBS volume (for example, `<code>/dev/sdh</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.snapshot-id</code>` - The ID of the snapshot used for the EBS volume.</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.volume-size</code>` - The volume size of the EBS volume, in GiB.</p>\</li>\</li>\</li>
<li><p>`<code>block-device-mapping.volume-type</code>` - The volume type of the EBS volume ( `<code>gp2</code>` | `<code>io1</code>` | `<code>st1</code>` | `<code>sc1</code>` | `<code>standard</code>`).</p>\</li>\</li>\</li>
<li><p>`<code>description</code>` - The description of the image (provided during image creation).</p>\</li>\</li>\</li>
</ul>
- A Boolean that indicates whether enhanced networking with ENA is enabled.

- The hypervisor type (<code>ovm</code> | <code>xen</code>). 

- The ID of the image.

- The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>). 

- A Boolean that indicates whether the image is public.

- The kernel ID.

- The location of the image manifest.

- The name of the AMI (provided during image creation).

- String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>msft</code> | <code>movie</code> | <code>software</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.

- The AWS account ID of the image owner.

- The platform. To only list Windows-based AMIs, use <code>platform=windows</code>.


- The RAM disk ID.

- The name of the root device volume (for example, <code>/dev/sda1</code>). 

- The type of the root device volume (<code>ebs</code> | <code>instance-store</code>). 

- The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>). 

- The reason code for the state change. 

- The message for the state change.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is).

If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The virtualization type (<code>paravirtual</code> | <code>hvm</code>). 

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image type (code:machine|code:kernel|code:ramdisk).</p>  
  
  
  <p>code:is-public - A Boolean that indicates whether the image is public.</p>  
  
  
  <p>code:kernel-id - The kernel ID.</p>  
  
  
  <p>code:manifest-location - The location of the image manifest.</p>  
  
  
  <p>code:name - The name of the AMI (provided during image creation).</p>  
  
  
  <p>code:owner-alias - String value from an Amazon-maintained list (code:amazon|code:aws-marketplace|code:microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>  
  
  
  <p>code:owner-id - The AWS account ID of the image owner.</p>  
  
  
  <p>code:platform - The platform. To only list Windows-based AMIs, use code:windows</p>  
  
  
  <p>code:product-code - The product code.</p>  
  
  
  
  
  <p>code:ramdisk-id - The RAM disk ID.</p>  
  
  
  <p>code:ramdisk-id - The RAM disk ID.</p>  
  
  
  <p>code:root-device-name - The name of the root device volume (for example, code:/dev/sda1).</p>  
  
  
  
  
  <p>code:state - The state of the image (code:available|code:pending|code:failed).</p>  
  
  
  <p>code:state-reason - The reason code for the state change.</p>  
  
  
  <p>code:state-reason-message - The message for the state change.</p>  
  
  
  <p>tag:code:key=code:value - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify code:tag:Purpose for the filter name and code:X for the filter value.</p>  
  
  
  <p>tag-key - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter code:tag=Purpose and the filter code:tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the code:tag=code:Purpose:code:value filter.</p>  
  
  
  <p>tag-value - The value of a tag assigned to the resource. This filter is independent of the code:tag-key filter.</p>  
  
  
  <p>virtualization-type - The virtualization type (code:paravirtual|code:hvm).</p>  
  
  

```
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"variableSetterType" : "java.util.Collection<Filter>"
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     * @return Returns a reference to this object so that method calls can be chained together. */",
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      "documentation" : null
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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},
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  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
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},
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  "c2jShape" : "OwnerStringList",
  "deprecated" : false,
  "documentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.",
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"
<code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>

@return Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.*"/"],

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* @return Returns a reference to this object so that
* method calls can be chained together. */",
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"templateType" : "java.util.List<String>",
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"mapModel" : null,
"name" : "Owners",
"setterDocumentation" : "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.<br /></p>@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.*/",
"setterMethodName" : "setOwners",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "owners",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.<br /></p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOwners(java.util.Collection)} or {@link #withOwners(java.util.Collection)} if you want to override the existing values.<br /><p>@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.<br /></p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "owners",
  "variableType" : "java.util.List<String>",
  "documentation" : '"<p>Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.<br /></p>

<p>Note: This method appends the values to the existing list (if any). Use @link #setOwners(java.util.Collection) or @link #withOwners(java.util.Collection) if you want to override the existing values.</p>

<p>@param owners Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.</p>

<p>@return Returns a reference to this object so that method calls can be chained together.</p>"
"xmlNameSpaceUri" : null
]
}],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeImagesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeImagesRequest",
  "variableName" : "describeImagesRequest",
  "variableType" : "DescribeImagesRequest",
  "documentation" : null,
  "simpleType" : "DescribeImagesRequest",
  "variableSetterType" : "DescribeImagesRequest"
},
"wrapper" : false
}],
"DescribeImagesResult" : {
  "c2jName" : "DescribeImagesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeImages.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Images",
      "c2jShape" : "ImageList",
      "deprecated" : false,
      "documentation" : "<p>Information about one or more images.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : ""/**<p>Information about one or more images.</p>*/",
      "fluentSetterMethodName" : "withImages",
      "getterDocumentation" : ""/**<p>Information about one or more images.</p>*/",
      "name" : "Images",
      "required" : false,
      "requiredByName" : false,
      "shapeName" : "ImageList",
      "variableName" : "images",
      "variableSetterName" : "withImages",
      "variableType" : "ImageList"
    }
  ]}
"getterMethodName" : "getImages",
"getterModel" : {
  "returnType" : "java.util.List<Image>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImagesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imagesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Image",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n\*\n\n*\n\n\n*\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n}\n"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Image",
"variableName": "member",
"variableType": "Image",
"documentation": "",
"simpleType": "Image",
"variableSetterType": "Image"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
"variableDeclarationType": "Image",
"variableName": "member",
"variableType": "Image",
"documentation": "",
"simpleType": "Image",
"variableSetterType": "Image"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Image",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Image",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Image>",
"templateType": "java.util.List<Image>"
"map" : false,
"mapModel" : null,
"name" : "Images",
"setterDocumentation" : "/**
* Information about one or more images.
* @param images Information about one or more images.
*/",
"setterMethodName" : "setImages",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Image>",
    "variableName" : "images",
    "variableType" : "java.util.List<Image>",
    "documentation" : "",
    "simpleType" : "List<Image>",
    "variableSetterType" : "java.util.Collection<Image>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* Information about one or more images.
* @param images Information about one or more images.
* NOTE: This method appends the values to the existing list (if any). Use
* [setImages(java.util.List)] or [withImages(java.util.List)] if you want to override the existing values.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Image>",
    "variableName" : "images",
    "variableType" : "java.util.List<Image>",
    "documentation" : "Information about one or more images.
* "
    "simpleType" : "List<Image>",
    "variableSetterType" : "java.util.Collection<Image>",
    "xmlNameSpaceUri" : null
}
},
"membersAsMap" : {
    "Images" : {
        "c2jName" : "Images",
        "c2jShape" : "ImageList",
        "deprecated" : false,
        "documentation" : "Information about one or more images.
* "
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
* Information about one or more images.
* @param images
* Information about one or more images.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
        "fluentSetterMethodName" : "withImages",
        "getterDocumentation" : "/**
* Information about one or more images.
* @return Information about one or more images.
*/",
        "getterMethodName" : "getImages",
        "getterModel" : {
            "returnType" : "java.util.List<Image>",
            "documentation" : null
        }
    },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ImagesSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "imagesSet",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Image",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "Image",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
         "location" : null,
         "marshallLocationName" : "Item",
         "queryString" : false,
         "statusCode" : false,
         "unmarshallLocationName" : "item",
         "uri" : false
      }
   }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Image",
  "variableName" : "member",
  "variableType" : "Image",
  "documentation" : "",
  "simpleType" : "Image",
  "variableSetterType" : "Image"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Image",
  "variableName" : "member",
  "variableType" : "Image",
  "documentation" : "",
  "simpleType" : "Image",
  "variableSetterType" : "Image"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Image",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Image",
"templateImplType" : "com.amazonaws.internal.SdkInternalList\<Image>",
"templateType" : "java.util.List\<Image>"
},
"map" : false,
"mapModel" : null,
"name" : "Images",
"setterDocumentation" : "/**\n@param images Information about one or more images.
@return Information about one or more images.*/"
"setterMethodName" : "setImages",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Image>",
  "variableName" : "images",
  "variableType" : "java.util.List<Image>",
  "documentation" : "",
  "simpleType" : "List<Image>",
  "variableSetterType" : "java.util.Collection<Image>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Information about one or more images.
 */

This method appends the values to the existing list (if any). Use [@link #setImages(java.util.Collection)] or [@link #withImages(java.util.Collection)] if you want to override the existing values.

@method
@return

Information about one or more images.

Return

Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Image>",
  "variableName" : "images",
  "variableType" : "java.util.List<Image>",
  "documentation" : "Information about one or more images.",
  "simpleType" : "List<Image>",
  "variableSetterType" : "java.util.Collection<Image>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeImagesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeImagesResult",
  "variableName" : "describeImagesResult",
  "variableType" : "DescribeImagesResult",
  "documentation" : null,
  "simpleType" : "DescribeImagesResult",
  "variableSetterType" : "DescribeImagesResult"
},
"wrapper" : false
},
"DescribeImportImageTasksRequest" : {
  "c2jName" : "DescribeImportImageTasksRequest",
  "customization" : {
    "artificialResultWrapper" : null
  }
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeImportImageTasks.</p>
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeImportImageTasks",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlnsSpaceUri" : null
},
"members" : [
"c2jName" : "ImportTaskIds",
"c2jShape" : "ImportTaskIdList",
"deprecated" : false,
"documentation" : "<p>A list of import image task IDs.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list of import image task IDs.</p>
@param importTaskIds A list of import image task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskIds",
"getterDocumentation" : "/**<p>A list of import image task IDs.</p>
@return A list of import image task IDs.
*/",
"getterMethodName" : "getImportTaskIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"setterDocumentation" : "/**\n@Param member */",
"setterMethodName" : "withMember",
"setterModel" : {
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A list of import image task IDs.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {@link
#withImportTaskIds(java.util.Collection)} if you want to override the existing values.</p>

@returns a reference to this object so that method calls can be chained together.

```java
public ListImportsResponse withImportTaskIds(java.util.Collection<String> importTaskIds) {
  getImportTaskIds().set(importTaskIds);
  return this;
}
```

**A list of import image task IDs.**

- **getterMethod**
  ```java
  public String getImportTaskIds() {
    return importTaskIds();
  }
  ```

- **setterMethod**
  ```java
  public ListImportsResponse withImportTaskIds(String... importTaskIds) {
    getImportTaskIds().set(importTaskIds);
    return this;
  }
  ```

## NextToken

- **getterMethod**
  ```java
  public String getNextToken() {
    return nextToken();
  }
  ```

- **setterMethod**
  ```java
  public ListImportsResponse withNextToken(String nextToken) {
   ,nextToken();
    return this;
  }
  ```

- **getterMethod**
  ```java
  // mandatory method name
  ```

- **setterMethod**
  ```java
  // mandatory method name
  ```

- **documentation**
  ```java
  A token that indicates the next page of results.
  ```

A token that indicates the next page of results. **return**

```java
public ListImportsResponse withNextToken(String nextToken) {
  setNextToken(nextToken);
  return this;
}
```

**A token that indicates the next page of results.**

**return**

```java
public String getNextToken() {
  return nextToken();
}
```

## ListImportsResponse

- **getterMethod**
  ```java
  public ListImportsResponse getNextToken() {
    return getNextToken();
  }
  ```

- **setterMethod**
  ```java
  public ListImportsResponse withNextToken(String nextToken) {
    setNextToken(nextToken);
    return this;
  }
  ```

**A token that indicates the next page of results.**

**return**

```java
public ListImportsResponse withNextToken(String nextToken) {
  setNextToken(nextToken);
  return this;
}
```

**A token that indicates the next page of results.**

**return**

```java
public String getNextToken() {
  return nextToken();
}
```

## IdempotencyToken

- **getterMethod**
  ```java
  public String getIdempotencyToken() {
    return idempotencyToken();
  }
  ```

- **setterMethod**
  ```java
  public ListImportsResponse withIdempotencyToken(String idempotencyToken) {
    setIdempotencyToken(idempotencyToken);
    return this;
  }
  ```

**IdempotencyToken**

**return**

```java
public ListImportsResponse withIdempotencyToken(String idempotencyToken) {
  setIdempotencyToken(idempotencyToken);
  return this;
}
```

**IdempotencyToken**

**return**

```java
public String getIdempotencyToken() {
  return idempotencyToken();
}
```
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
 * A token that indicates the next page of results.
 */
@param nextToken A token that indicates the next page of results.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * A token that indicates the next page of results.
 */
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>A token that indicates the next page of results.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**
 * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 */",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**
 * The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 * @return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 */",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"xmlNameSpaceUri" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxResults",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxResults",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
Filter tasks using the `<code>task-state</code>` filter and one of the following values: active, completed, deleting, deleted.

```java
@GET
@Path("/")
@Produces("application/json")
public Response getTaskStates() {
    // Implementation...
}
```

**Documentation**

Filter tasks using the `<code>task-state</code>` filter and one of the following values: active, completed, deleting, deleted.

```java
public List<Filter> getFilters() {
    // Implementation...
}
```

**Setter Method**

Filter tasks using the `<code>task-state</code>` filter and one of the following values: active, completed, deleting, deleted.

```java
public void setFilters(List<Filter> filters) {
    // Implementation...
}
```

**JSON Representation**

```json
{
  "c2jName": "Filters",
  "c2jShape": "FilterList",
  "deprecated": false,
  "documentation": "Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted."
}
```

**Http Configuration**

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: null
- **Marshall Location Name**: "Filters"
- **Query String**: false
- **StatusCode**: false
- **Unmarshall Location Name**: "Filters"

**Idempotency Token**: false

**List**: true

```java
public List<Filter> getFilters() {
    // Implementation...
}
```

**List Model**

```java
[Filter]
```
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ""
"simpleType" : "Filter",
"variableSetterType" : "Filter"
],
"xmlns:NameSpaceUri" : null
],
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
],
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>
@param filters Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>
@returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.<p>
@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"}
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>Filter tasks using the <code>task-state</code> filter and one of the following values:
active, completed, deleting, deleted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nFilter tasks using the <code>task-state</code> filter and one of the
following values: active, completed, deleting, deleted.</p>
@returns Returns a
reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**\nFilter tasks using the <code>task-state</code> filter and one of the
following values: active, completed, deleting, deleted.
@returns Filter tasks using the <code>task-state</code> filter and
one of the following values: active, completed, deleting, deleted.*\n",
"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filters",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filters",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "Filter",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Filter",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Filter",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter",
 "documentation" : "",
 "simpleType" : "Filter",
 "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter"},
"variableName": "member",  "variableType" : "Filter",}
**Setter Documentation**: 

```xml
<param filters Filter tasks using the \texttt{task-state} filter and one of the following values: active, completed, deleting, deleted.\*/
@param filters Filter tasks using the \texttt{task-state} filter and one of the following values: active, completed, deleting, deleted.
@return Returns a reference to this object so that method calls can be chained together.
```

**Vararg Setter Documentation**: 

```xml
<param filters Filter tasks using the \texttt{task-state} filter and one of the following values: active, completed, deleting, deleted.\*/
```
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ImportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**<p>A list of import image task IDs.</p>
@param importTaskIds A list of import image task IDs.*/",
"setterMethodName" : "setImportTaskIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of import image task IDs.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {<i>@link #withImportTaskIds(java.util.Collection)</i>} if you want to override the existing values.<p>

@<i>param importTaskIds A list of import image task IDs.</i>

@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>A list of import image task IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",}
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A token that indicates the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@return A token that indicates the next page of results.</p>",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"required" : false,
"useExternalMethodBuilder" : false}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>A token that indicates the next page of results.</p>
", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}.

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImportImageTasksRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeImportImageTasksRequest",
  "variableName" : "describeImportImageTasksRequest",
  "variableType" : "DescribeImportImageTasksRequest",
  "documentation" : null,
  "simpleType" : "DescribeImportImageTasksRequest",


"variableSetterType" : "DescribeImportImageTasksRequest",

"wrapper" : false

"DescribeImportImageTasksResult" : {
  "c2jName" : "DescribeImportImageTasksResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeImportImageTasks.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "ImportImageTasks",
    "c2jShape" : "ImportImageTaskList",
    "deprecated" : false,
    "documentation" : "<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>
@<p>importTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
@<p>importTasks A reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImportImageTasks",
    "getterDocumentation" : "/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>
@return A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*",
    "getterMethodName" : "getImportImageTasks",
    "getterModel" : {
      "returnType" : "java.util.List<ImportImageTask>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportImageTaskSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importImageTaskSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ImportImageTask",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return\n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ImportImageTask",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "Member",
"setterDocumentation": "\/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ImportImageTask",
  "variableName": "member",
  "variableType": "ImportImageTask",
  "documentation": "",
  "simpleType": "ImportImageTask",
  "variableSetterType": "ImportImageTask"
},
"simple": false,
"varargSetterDocumentation": "\/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ImportImageTask",
  "variableName": "member",
  "variableType": "ImportImageTask",
  "documentation": "",
  "simpleType": "ImportImageTask",
  "variableSetterType": "ImportImageTask"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ImportImageTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ImportImageTask",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
"templateType": "java.util.List<ImportImageTask>"
},
"map": false,
"mapModel": null,
"name": "ImportImageTasks",
"setterDocumentation": "\/**<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>\n@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*/",
"setterMethodName": "setImportImageTasks",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
  "variableName": "importImageTasks",
  "variableType": "java.util.List<ImportImageTask>",
  "documentation": "",
"..."
"simpleType" : "List<ImportImageTask>",
"variableSetterType" : "java.util.Collection<ImportImageTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setImportImageTasks(java.util.Collection) ] or [ @link #withImportImageTasks(java.util.Collection) ] if you want to override the existing values.</p>
@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
  "variableName" : "importImageTasks",
  "variableType" : "java.util.List<ImportImageTask>",
  "documentation" : "A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.

"simpleType" : "List<ImportImageTask>",
"variableSetterType" : "java.util.Collection<ImportImageTask>"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.

"enumType" : null,
"fluentSetterDocumentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to get the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to get the
next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to get the
next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when
there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "ImportImageTasks" : {
    "c2jName" : "ImportImageTasks",
    "c2jShape" : "ImportImageTaskList",
    "deprecated" : false,
    "documentation" : "<p>A list of zero or more import image tasks that are currently active or were completed
or canceled in the previous 7 days.</p>",
    "idempotencyToken" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImportImageTask",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
"templateType" : "java.util.List<ImportImageTask>",
"map" : false,
"mapModel" : null,
"name" : "ImportImageTasks",
"setterDocumentation" : "/** A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days. */
@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*/",
"setterMethodName" : "setImportImageTasks",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
  "variableName" : "importImageTasks",
  "variableType" : "java.util.List<ImportImageTask>",
  "documentation" : "",
  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/** A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days. This method appends the values to the existing list (if any). Use [ @link #setImportImageTasks(java.util.Collection) ] or [ @link #withImportImageTasks(java.util.Collection) ] if you want to override the existing values. */
@param importImageTasks A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportImageTask>",
  "variableName" : "importImageTasks",
  "variableType" : "java.util.List<ImportImageTask>",
  "documentation" : "A list of zero or more import image tasks that are currently active or were completed or canceled in the previous 7 days.*",
  "simpleType" : "List<ImportImageTask>",
  "variableSetterType" : "java.util.Collection<ImportImageTask>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.*"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.<br/>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.<br/>

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>

"setterMethodName" : "getNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to get the
next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "</p>"The token to use to get the next page of results. This value is <code>null</code>
when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImportImageTasksResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeImportImageTasksResult",
    "variableName" : "describeImportImageTasksResult",
    "variableType" : "DescribeImportImageTasksResult",
    "documentation" : null,
    "simpleType" : "DescribeImportImageTasksResult",
    "variableSetterType" : "DescribeImportImageTasksResult"
},
"wrapper" : false
},
"DescribeImportSnapshotTasksRequest" : {
    "c2jName" : "DescribeImportSnapshotTasksRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "</p>Contains the parameters for DescribeImportSnapshotTasks.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ImportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**\nA list of import snapshot task IDs.\n\n@see importTaskIds A list of import snapshot task IDs. */",
"setterMethodName" : "setImportTaskIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "importTaskIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nA list of import snapshot task IDs.\n\n**NOTE:** This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or { @link #withImportTaskIds(java.util.Collection)} if you want to override the existing values.\n\n@see importTaskIds A list of import snapshot task IDs.\n\n\n@see Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "importTaskIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>A list of import snapshot task IDs.\n\n\n<br>NOTE: This method appends the values to the existing list (if any). Use { @link #setImportTaskIds(java.util.Collection)} or { @link #withImportTaskIds(java.util.Collection)} if you want to override the existing values.\n\n\n@see Returns a reference to this object so that method calls can be chained together. */",
    "simpleType" : "List<String>",
}
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A token that indicates the next page of results.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.*/
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@return A token that indicates the next page of results.*/
",
  "getterMethodName" : "getNextToken",
  "getterModel" : {  
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.*/
",
  "setterMethodName" : "setNextToken",
  "setterModel" : {  
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String"
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A token that indicates the next page of results.</p>
@param
nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>A token that indicates the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/
,"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/
@param maxResults
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
"enumType" : null,
"fluentSetterDocumentation" : "One or more filters.
"name" : "Filters",
"setterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "FilterList",
  "variableName" : "filters",
  "variableType" : "FilterList",
  "documentation" : "One or more filters.
"simpleType" : "FilterList",
  "variableSetterType" : "FilterList"
},
"simple" : true,
"varargSetterDocumentation" : "One or more filters.
"variable" : {
  "variableDeclarationType" : "FilterList",
  "variableName" : "filters",
  "variableType" : "FilterList",
  "documentation" : "One or more filters.
"simpleType" : "FilterList",
  "variableSetterType" : "FilterList"
},
"xmlNameSpaceUri" : null
}
Returns a reference to this object so that method calls can be chained together.*/
   "fluentSetterMethodName" : "withFilters",
   "getterDocumentation" : "/**<p>One or more filters.</p>
   @return One or more filters.*/",
   "getterMethodName" : "getFilters",
   "getterModel" : {
   "returnType" : "java.util.List<Filter>",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Filters",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Filters",
   "uri" : false
   },
   "idempotencyToken" : false,
   "list" : true,
   "listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
   "c2jName" : "member",
   "c2jShape" : "Filter",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**\n   @param member\n   @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**\n   @return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
   "returnType" : "Filter",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",

"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p>
@param filters One or more filters.*/",
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p>
@param filters One or more filters.
@NOTE: This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.*/
@return Returns a reference to this object so that method calls can be chained together.",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p>",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
},

"membersAsMap": {
  "Filters": {
    "c2jName": "Filters",
    "c2jShape": "FilterList",
    "deprecated": false,
    "documentation": "<p>One or more filters.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more filters.</p>
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "withFilters",
    "getterDocumentation": "/**<p>One or more filters.</p>
@return One or more filters.*/",
    "getterMethodName": "getFilters",
    "getterModel": {
      "returnType": "java.util.List<Filter>",
      "documentation": null
    },
    "http": {
      "member": {
        "variable": {
          "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
          "variableName": "filters",
          "variableType": "java.util.List<Filter>",
          "documentation": "<p>One or more filters.</p>",
          "simpleType": "List<Filter>",
          "variableSetterType": "java.util.Collection<Filter>"
        }
      }
    }
  }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filters",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filters",
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\nparam member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**\n * One or more filters.<p>@param filters One or more filters.*/",
"setterMethodName": "setFilters",
"setterModel": {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
}
,"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p>
<p><b>NOTE:</b> This method appends
the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link
#withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "One or more filters.",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
}
},
"xmlNameSpaceUri" : null
},
"ImportTaskIds" : {
"c2jName" : "ImportTaskIds",
"c2jShape" : "ImportTaskIdList",
"deprecated" : false,
"documentation" : "A list of import snapshot task IDs.",
"enumType" : null,
"fluentSetterDocumentation" : "/**A list of import snapshot task IDs.
@param importTaskIds A list of import snapshot task IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskIds",
"getterDocumentation" : "/**A list of import snapshot task IDs.
@return A list of import snapshot task IDs.*/",
"getterMethodName" : "getImportTaskIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImportTaskId",
"uri" : false
",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ImportTaskId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ImportTaskIds",
"setterDocumentation" : "/**<p>A list of import snapshot task IDs.</p>
@param importTaskIds A list of import snapshot task IDs.</param>*/",
"setterMethodName" : "setImportTaskIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "importTaskIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "A list of import snapshot task IDs.

  **NOTE:** This method appends the values to the existing list (if any). Use {@link #setImportTaskIds(java.util.Collection)} or {@link #withImportTaskIds(java.util.Collection)} if you want to override the existing values.

  @param importTaskIds A list of import snapshot task IDs.
  @return Returns a reference to this object so that method calls can be chained together.*/
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

  @param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
  @return Returns a reference to this object so that method calls can be chained together.*/
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults"
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

```java
@Param maxResults
```

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

```java
@return Returns a reference to this object so that method calls can be chained together.
```
nextToken A token that indicates the next page of results.\n@return Returns a reference to this object so that method calls can be chained together. */
, "fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*\n<p>A token that indicates the next page of results.</p>\n@return A token that indicates the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*\n<p>A token that indicates the next page of results.</p>
@param nextToken A token that indicates the next page of results.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>A token that indicates the next page of results.</p>\n@param nextToken A token that indicates the next page of results.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String","
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>A token that indicates the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeImportSnapshotTasksRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeImportSnapshotTasksRequest",
"variableName" : "describeImportSnapshotTasksRequest",
"variableType" : "DescribeImportSnapshotTasksRequest",
"documentation" : null,
"simpleType" : "DescribeImportSnapshotTasksRequest",
"variableSetterType" : "DescribeImportSnapshotTasksRequest"
},
"wrapper" : false
},
"DescribeImportSnapshotTasksResult" : {
"c2jName" : "DescribeImportSnapshotTasksResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeImportSnapshotTasks.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "ImportSnapshotTasks",
"c2jShape" : "ImportSnapshotTaskList",
"deprecated" : false,
"documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.
**/
@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.
@return
Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withImportSnapshotTasks",
"getterDocumentation" : "/**
A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.
**/
@return
A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.
*/",
"getterMethodName" : "getImportSnapshotTasks",
"getterModel" : {
"returnType" : "java.util.List<ImportSnapshotTask>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportSnapshotTaskSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importSnapshotTaskSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ImportSnapshotTask",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return
Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return
*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ImportSnapshotTask",
"documentation" : null
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
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"map": false,
"mapModel": null,
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"setterModel": {
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  "variableType": "ImportSnapshotTask",
  "documentation": "",
  "simpleType": "ImportSnapshotTask",
  "variableSetterType": "ImportSnapshotTask"
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  "variableName": "member",
  "variableType": "ImportSnapshotTask",
  "documentation": "",
  "simpleType": "ImportSnapshotTask",
  "variableSetterType": "ImportSnapshotTask"
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"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "ImportSnapshotTask",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
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"templateType": "java.util.List<ImportSnapshotTask>"
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"mapModel": null,
"name": "ImportSnapshotTasks",
"setterDocumentation": "/**\n*p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.\n@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*/",
"setterMethodName": "setImportSnapshotTasks",
"setterModel": {
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  "variableName": "importSnapshotTasks",
  "variableType": "java.util.List<ImportSnapshotTask>",
  "documentation": "",
  "simple": false,
  "variableSetterType": "java.util.Collection<ImportSnapshotTask>"
},
"simple": false,
"varargSetterDocumentation": "/**\n*p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.\n\nNOTE:\nThis method appends the values to the existing list (if any). Use [@link #setImportSnapshotTasks(java.util.Collection)] or [@link #withImportSnapshotTasks(java.util.Collection)] if you want to override the existing values.\n@param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "importSnapshotTasks",
  "variableType": "java.util.List<ImportSnapshotTask>",
  "documentation": "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
  "simpleType": "List<ImportSnapshotTask>",
  "variableSetterType": "java.util.Collection<ImportSnapshotTask>"
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{ "c2jName": "NextToken",
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"deprecated": false,
"documentation": "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\n</p>",
"enumType": null,
"fluentSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@return The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.*/",
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"variableName" : "nextToken",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to get the next page of results. This value is
null</code> when there are no more results to return.</p>

@<code>param nextToken</code> The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>

@return Returns a reference to this object so that method calls can be chained together.*/*/ 

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  "variableSetterType" : "String"
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  "ImportSnapshotTasks" : { 
    "c2jName" : "ImportSnapshotTasks",
    "c2jShape" : "ImportSnapshotTaskList",
    "deprecated" : false,
    "documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>><p>
    @param importSnapshotTasks A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.<p>
    @return Returns a reference to this object so that method calls can be chained together.</p>>",
    "fluentSetterMethodName" : "withImportSnapshotTasks",
    "getterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>><p>
    @return A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>>",
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      "isPayload" : false,
      "isStreaming" : false,
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  }
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "ImportSnapshotTask",
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    "documentation" : "",
    "enumType" : null,
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     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
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      "documentation" : null
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    "mapModel" : null,
    "name" : "Member",
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     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
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      "variableName" : "member",
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"variableType" : "ImportSnapshotTask",
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"simpleType" : "ImportSnapshotTask",
"variableSetterType" : "ImportSnapshotTask"
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method calls can be chained together.*/",

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"variableType" : "ImportSnapshotTask",
"documentation" : "",
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"variableSetterType" : "ImportSnapshotTask"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "ImportSnapshotTask",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImportSnapshotTask",
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"templateType" : "java.util.List<ImportSnapshotTask>"
},
"map" : false,
"mapModel" : null,
"name" : "ImportSnapshotTasks",
"setterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or were
completed or canceled in the previous 7 days.</p>
@param importSnapshotTasks A list of zero or more import
snapshot tasks that are currently active or were completed or canceled in the previous 7 days.*/",
"setterMethodName" : "setImportSnapshotTasks",
"setterModel" : {
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"variableName" : "importSnapshotTasks",
"variableType" : "java.util.List<ImportSnapshotTask>",
"documentation" : "",
"simpleType" : "List<ImportSnapshotTask>",
"variableSetterType" : "java.util.Collection<ImportSnapshotTask>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of zero or more import snapshot tasks that are currently active or
were completed or canceled in the previous 7 days.</p><b>NOTE:</b> This method appends the values to
the existing list (if any). Use [@link #setImportSnapshotTasks(java.util.Collection) or [@link #withImportSnapshotTasks(java.util.Collection)] if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*

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  "variableType" : "java.util.List<ImportSnapshotTask>",
  "documentation" : "A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.

  "simpleType" : "List<ImportSnapshotTask>",
  "variableSetterType" : "java.util.Collection<ImportSnapshotTask>"
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"xmlNameSpaceUri" : null

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  "deprecated" : false,
  "documentation" : "The token to use to get the next page of results. This value is
when there are no more results to return.

  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to get the next page of results. This value is
when there are no more results to return.

  "getterDocumentation" : "The token to use to get the next page of results. This value is
when there are no more results to return.

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    "documentation" : null
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    "greedy" : false,
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n * The token to use to get the next page of results. This value is \n * <code>null</code> when there are no more results to return.\n */",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n * The token to use to get the next page of results. This value is \n * <code>null</code> when there are no more results to return.\n */",
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  "variableType" : "String",
  "documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>
  @param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>
  @param nextToken The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/
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"variableType" : "DescribeImportSnapshotTasksResult",
"documentation" : null,
"simpleType" : "DescribeImportSnapshotTasksResult",
"variableSetterType" : "DescribeImportSnapshotTasksResult"
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"wrapper" : false
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"c2jName" : "DescribeInstanceAttributeRequest",
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  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
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  "documentation" : "<p>Contains the parameters for DescribeInstanceAttribute.</p>",
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [
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    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@瞻param instanceId The ID of the instance.
@瞻return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of the instance.</p>
@瞻return The ID of the instance.*/",
    "getMethod" : "getInstanceId",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
      
    },
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    "simpleType" : "String",
    "documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"map" : false,
"mapModel" : null,
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*/",
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"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The instance attribute.</p> <p>Note: The <code>enaSupport</code> attribute is not supported at this time.</p>"
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"fluentSetterDocumentation": "/**\n * The instance attribute.
 * Note: The \<code>enaSupport</code> attribute is not supported at this time.
 * \n * @param attribute The instance attribute.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceAttributeName*/",
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"getterDocumentation": "/**\n * The instance attribute.
 * Note: The \<code>enaSupport</code> attribute is not supported at this time.
 * @return The instance attribute.
 * @see InstanceAttributeName*/",
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"getterModel": {
  "returnType": "String",
  "documentation": null
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  "greedy": false,
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  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "attribute",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attribute",
"setterDocumentation": "/**\n * The instance attribute.
 * Note: The \<code>enaSupport</code> attribute is not supported at this time.
 * @param attribute The instance attribute.
 * @see InstanceAttributeName*/",
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"setterModel": {
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  "variableName": "attribute",
  "variableType": "String",
  "documentation": ".",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation" : "/**<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*="/",
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The instance attribute.</p>
@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName",
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  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute",
    "c2jShape" : "InstanceAttributeName",
    "deprecated" : false,
    "documentation" : "<p>The instance attribute.</p>
@param attribute The instance attribute.
@return The instance attribute.
@see InstanceAttributeName*="/",
    "fluentSetterMethodName" : "withAttribute",
    "getterDocumentation" : "/**<p>The instance attribute.</p>
@return The instance attribute.
@see InstanceAttributeName*="/",
    "getterMethodName" : "getAttribute",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "Attribute",
"setterDocumentation" : "/**\p> The instance attribute. </p>\p>Note: The \code{enaSupport} \code{attribute} is not supported at this time.\n@\param attribute The instance attribute.\p>\p>Note: The \code{enaSupport}\code{attribute} is not supported at this time.\n@see InstanceAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
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  "variableName" : "attribute",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\p> The instance attribute. </p>\p>Note: The \code{enaSupport} \code{attribute} is not supported at this time.\n@\param attribute The instance attribute.\p>\p>Note: The \code{enaSupport}\code{attribute} is not supported at this time.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "\p> The instance attribute.\p>Note: The \code{enaSupport}\code{attribute} is not supported at this time.\p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\p> The ID of the instance.\p>Note: The \code{enaSupport}\code{attribute} is not supported at this time.\p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\p> The ID of the instance.\n@\param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**\p> The ID of the instance.\n@return The ID of the instance.*/",
  "getMethodName" : "getInstanceId",
  "setterMethodName" : "setInstanceId",
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    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"  
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\p> The ID of the instance.\n@\param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
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    "variableName" : "instanceId",
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    "variableSetterType" : "String"  
  },
  "xmlNameSpaceUri" : null
},
"getterModel" : {
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  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
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"unmarshaller" : null,
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  "variableName" : "describeInstanceAttributeRequest",
  "variableType" : "DescribeInstanceAttributeRequest",
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  "simpleType" : "DescribeInstanceAttributeRequest",
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},
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  "customization" : {
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      "wrappedMemberSimpleType" : "InstanceAttribute"
    },
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the InstanceAttribute object that was sent over the wire.",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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    "c2jShape" : "InstanceAttribute",
    "deprecated" : false,
    "documentation" : "<p>Describes an instance attribute.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>Describes an instance attribute.</p>

@returns {InstanceAttribute} Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withInstanceAttribute",
    "getterDocumentation" : "/** <p>Describes an instance attribute.</p>

@returns {InstanceAttribute} Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getInstanceAttribute",
    "getterType" : null,
    "hasConstructor" : true,
    "hasSetter" : true,
    "simpleType" : null,
    "variableDeclarationType" : "InstanceAttribute",
    "variableName" : "instanceAttribute",
    "variableSetterType" : "InstanceAttribute"
  }]
}
"getterMethodName": "getInstanceAttribute",
"getterModel": {
"returnType": "InstanceAttribute",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
.marshallLocationName": "InstanceAttribute",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceAttribute",
"uri": false
},
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"map": false,
"mapModel": null,
"name": "InstanceAttribute",
"setterDocumentation": "/**\n* Describes an instance attribute.
*\n* @param instanceAttribute Describes an instance attribute.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel": {
"variableDeclarationType": "InstanceAttribute",
"variableName": "instanceAttribute",
"variableType": "InstanceAttribute",
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},
"simple": false,
"varargSetterDocumentation": "/**\n* Describes an instance attribute.
*\n* @param instanceAttribute Describes an instance attribute.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName": "instanceAttribute",
"variableType": "InstanceAttribute",
"documentation": "<p>Describes an instance attribute.</p>",
"simpleType": "InstanceAttribute",
"variableSetterType": "InstanceAttribute"
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "InstanceAttribute" : {
    "c2jName" : "InstanceAttribute",
    "c2jShape" : "InstanceAttribute",
    "deprecated" : false,
    "documentation" : "<p>Describes an instance attribute.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Describes an instance attribute.</p>
@param instanceAttribute Describes an instance attribute.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withInstanceAttribute",
    "getterDocumentation" : "/**<p>Describes an instance attribute.</p>
@return Describes an instance attribute.*/",
    "getterMethodName" : "getInstanceAttribute",
    "getterModel" : {
      "returnType" : "InstanceAttribute",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
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      "marshallLocationName" : "InstanceAttribute",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceAttribute",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InstanceAttribute",
    "setterDocumentation" : "/**<p>Describes an instance attribute.</p>
@param instanceAttribute Describes an instance attribute.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "setterMethodName" : "getInstanceAttribute",
    "setterModel" : {
      "variableDeclarationType" : "InstanceAttribute",
      "variableName" : "instanceAttribute",
    },
Describes an instance attribute.

```java
@param instanceAttribute
Describes an instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
```

```java
/**
 * Describes an instance attribute.
 */
```
"idempotencyToken": false,
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"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
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"mapModel": null,
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@param member
*/",
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"variableType": "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
},
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"memberType" : "String",
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"sendEmptyQueryString" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "*/**<p>One or more instance IDs. Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs. One or more instance IDs. Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "*/**<p>One or more instance IDs. Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.*/<b>NOTE:</b> This
method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>

Default: Describes all your instances.</p>

Constraints: Maximum 100 explicitly specified instance IDs. (Default: Describes all your instances.)</p>

```
@returns

Returns a reference to this object so that method calls can be chained together.
"

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more instance IDs. (Default: Describes all your instances.)",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
},

"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. (Availability Zone of the instance.)",
"simpleType" : "FilterList",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},

"c2jName" : "availability-zone",
"c2jShape" : "AvailabilityZone",
"deprecated" : false,
"documentation" : "Availability Zone of the instance. (The code for the scheduled event (The latest end time for the scheduled event (for example, The state of the instance (The code for the instance status where the name is (The status of the instance (The system status of the instance where the name is (The system status of the instance (The Availability Zone of the instance.)

```

"enumType" : null,

"fluentSetterDocumentation" : "One or more filters. (Availability Zone of the instance.)

```

"enumType" : null,

"fluentSetterDocumentation" : "One or more filters. (Availability Zone of the instance.)

```

"enumType" : null,

### Filters

- Filters on instance status where the name is <code>reachability</code>
  - The status of the instance <code>(code=ok)</code>
  - <code>(code=impaired)</code>
  - Filters on system status where the name is <code>insufficient-data</code>
- Filters on instance status where the name is <code>system-status</code>
- Filters on instance status where the name is <code>instance-status</code>

### Event Codes

- The code for the scheduled event
  - <code>instance-reboot</code>
  - <code>system-reboot</code>
  - <code>system-maintenance</code>
  - <code>instance-stop</code>
  - <code>instance-retirement</code>
  - <code>instance-stop</code>

### Event Description

- A description of the event

### Event Time

- The latest end time for the scheduled event
  - <code>2014-09-15T17:15:20.000Z</code>

### Instance State

- The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

### System Status

- Filters on system status where the name is <code>reachability</code> or <code>insufficient-data</code>
- Filters on instance status where the name is <code>system-status</code>
- Filters on instance status where the name is <code>instance-status</code>

### Return

- Returns a reference to this object so that method calls can be chained together.
(terminated), 64 (stopping), and 80 (stopped).}</p> 
<li><p>&lt;code&gt;instance-state-name&lt;/code&gt; - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;instance-status.reachability&lt;/code&gt; - Filters on instance status where the name is &lt;code&gt;reachability&lt;/code&gt; (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;system-status.reachability&lt;/code&gt; - Filters on system status where the name is &lt;code&gt;reachability&lt;/code&gt; (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;system-status.status&lt;/code&gt; - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone of the instance.&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;event.code&lt;/code&gt; - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>instance-stop</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;event.description&lt;/code&gt; - A description of the event.&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;event.not-after&lt;/code&gt; - The latest end time for the scheduled event (for example, &lt;code&gt;2014-09-15T17:15:20.000Z&lt;/code&gt;).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;event.not-before&lt;/code&gt; - The earliest start time for the scheduled event (for example, &lt;code&gt;2014-09-15T17:15:20.000Z&lt;/code&gt;).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;instance-state-code&lt;/code&gt; - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;instance-state-name&lt;/code&gt; - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;instance-status.reachability&lt;/code&gt; - Filters on instance status where the name is &lt;code&gt;reachability&lt;/code&gt; (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;system-status.reachability&lt;/code&gt; - Filters on system status where the name is &lt;code&gt;reachability&lt;/code&gt; (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).&lt;/p&gt; 
</li> 
<li><p>&lt;code&gt;system-status.status&lt;/code&gt; - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).&lt;/p&gt; 
*/"},

"getterMethodName" : "getFilters",
"getterModel" : {
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  "documentation" : null
},

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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter"
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
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    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
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     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * return Returns a reference to this object so that
     * method calls can be chained together.*/",
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      "documentation": null
    }
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n     * @param member *
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"vargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li>
<li> <p> <code>event.description</code> - A description of the event. </p> </li>
<li> <p> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li>
<li> <p> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>). </p> </li>
<li> <p> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li>
<li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> |
\begin{verbatim}

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection) | @link withFilters(java.util.Collection)] if you want to override the existing values.

```
\@param filters One or more filters.
```

\begin{verbatim}
return
\end{verbatim}

Returns a reference to this object so that method calls can be chained together.*/

```

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "One or more filters."
}
```
The latest end time for the scheduled event (for example, `<code>2014-09-15T17:20:00Z</code>`).

- `<code>event.not-before</code>` - The earliest start time for the scheduled event (for example, `<code>2014-09-15T17:15:20Z</code>`).

- `<code>instance-state-code</code>` - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminating), 64 (stopping), and 80 (stopped).

- `<code>instance-state-name</code>` - The state of the instance (`<code>pending</code>` | `<code>running</code>` | `<code>shutting-down</code>` | `<code>terminated</code>` | `<code>stopped</code>`).

- `<code>instance-status.reachability</code>` - Filters on instance status where the name is `<code>reachability</code>` (`<code>passed</code>` | `<code>failed</code>` | `<code>initializing</code>` | `<code>insufficient-data</code>`).

- `<code>instance-status.status</code>` - The status of the instance (`<code>ok</code>` | `<code>impaired</code>` | `<code>initializing</code>` | `<code>insufficient-data</code>` | `<code>not-applicable</code>`).

- `<code>system-status.reachability</code>` - Filters on system status where the name is `<code>reachability</code>` (`<code>passed</code>` | `<code>failed</code>` | `<code>initializing</code>` | `<code>insufficient-data</code>` | `<code>not-applicable</code>`).

- `<code>system-status.status</code>` - The system status of the instance (`<code>ok</code>` | `<code>impaired</code>` | `<code>initializing</code>` | `<code>insufficient-data</code>` | `<code>not-applicable</code>`).

The token to retrieve the next page of results. The token to retrieve the next page of results.

**@param nextToken
The token to retrieve the next page of results.**

The token to retrieve the next page of results.

**@return Returns a reference to this object so that method calls can be chained together.**

**@param nextToken
The token to retrieve the next page of results.**

The token to retrieve the next page of results.

**@return The token to retrieve the next page of results.**

**@param nextToken
The token to retrieve the next page of results.**

The token to retrieve the next page of results.

**@return**

The token to retrieve the next page of results.
The token to retrieve the next page of results.

@<p>The token to retrieve the next page of results.

@<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
specify this parameter and the instance IDs parameter in the same call.\n@Retention Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>\n@Retention The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>\n@Retention The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer"}
"variableSetterType" : "Integer",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve
the remaining results, make another call with the returned <code>NextToken</code> value. This value can be
between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same
call.</p>
@<param maxResults The maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and
1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining
results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and
1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IncludeAllInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.</p>
@<param includeAllInstances When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIncludeAllInstances",
"getterDocumentation" : "<p>When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.</p>
@<param includeAllInstances When <code>true</code>, includes the health status for all instances. When
<code>false</code>, includes the health status for running instances only.</p>
@<return When <code>true</code>, includes the health status for all instances. When <code>false</code>,
includes the health status for running instances only.</p>
@<getterMethod return When <code>true</code>, includes the health status for all instances. When <code>false</code>,
includes the health status for running instances only.</p>
@<getterMethod getWhen <code>true</code>, includes the health status for all instances. When <code>false</code>,
includes the health status for running instances only.</p>
@<getterMethod>*/",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IncludeAllInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "includeAllInstances",
"uri" : false },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IncludeAllInstances",
"setterDocumentation" : "/**<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
@param includeAllInstances When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code>*/",
"setterMethodName" : "setIncludeAllInstances",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "includeAllInstances",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "includeAllInstances",
  "variableType" : "Boolean",
  "documentation" : "<p>When <code>true</code>, includes the health status for all instances. When <code>false</code>, includes the health status for running instances only.</p> <p>Default: <code>false</code></p>

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null },
"membersAsMap": {
  "Filters": {
    "c2jName": "Filters",
    "c2jShape": "FilterList",
    "deprecated": false,
    "documentation": "<p>One or more filters.</p> <ul>
  <li>
    <p>
      <code>availability-zone</code> - The Availability Zone of the instance.</p>
  </li>
  <li>
    <p>
      <code>event.code</code> - The code for the scheduled event.
      (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> |<code>instance-retirement</code> | <code>instance-stop</code>).</p>
  </li>
  <li>
    <p>
      <code>event.not-after</code> - The latest end time for the scheduled event.
      (for example, <code>2014-09-15T17:15:20.000Z</code>).</p>
  </li>
  <li>
    <p>
      <code>event.not-before</code> - The earliest start time for the scheduled event.
      (for example, <code>2014-09-15T17:15:20.000Z</code>).</p>
  </li>
  <li>
    <p>
      <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer.
      The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented.
      The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p>
  </li>
  <li>
    <p>
      <code>instance-state-name</code> - The state of the instance.
      (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p>
  </li>
  <li>
    <p>
      <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code></p>
      (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p></p>
  </li>
  <li>
    <p>
      <code>instance-status.status</code> - The status of the instance.
      (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p>
  </li>
  <li>
    <p>
      <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code></p>
      (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p></p>
  </li>
  <li>
    <p>
      <code>system-status.status</code> - The system status of the instance.
      (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p>
  </li>
</ul>\n
"enumerate": null,
"FluentSetterDocumentation": "**<p>One or more filters.</p> <ul>
  <li>
    <p>
      <code>availability-zone</code> - The Availability Zone of the instance.</p>
  </li>
  <li>
    <p>
      <code>event.code</code> - The code for the scheduled event.
      (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> |<code>instance-retirement</code> | <code>instance-stop</code>).</p>
  </li>
  <li>
    <p>
      <code>event.not-after</code> - The latest end time for the scheduled event.
      (for example, <code>2014-09-15T17:15:20.000Z</code>).</p>
  </li>
  <li>
    <p>
      <code>event.not-before</code> - The earliest start time for the scheduled event.
      (for example, <code>2014-09-15T17:15:20.000Z</code>).</p>
  </li>
  <li>
    <p>
      <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer.
      The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented.
      The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p>
  </li>
  <li>
    <p>
      <code>instance-state-name</code> - The state of the instance.
      (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p>
  </li>
  <li>
    <p>
      <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code></p>
      (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p></p>
  </li>
  <li>
    <p>
      <code>instance-status.status</code> - The status of the instance.
      (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p>
  </li>
  <li>
    <p>
      <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code></p>
      (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p></p>
  </li>
  <li>
    <p>
      <code>system-status.status</code> - The system status of the instance.
      (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p>
  </li>
</ul>\n
"enumType": null,"
instance (<code>ok</code>) | <code>impaired</code>) | <code>initializing</code>) | <code>insufficient-data</code>.)</p> <li> <code>availability-zone</code> - The Availability Zone of the instance.</li> <li> <code>event.code</code> - The code for the scheduled event (for example, <code>instance-reboot</code>) | <code>system-reboot</code>) | <code>system-maintenance</code>) | <code>instance-retirement</code>) | <code>instance-stop</code>).<p> <li> <code>event.description</code> - A description of the event.</li> <li> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> <li> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> <li> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).<p> <li> <code>instance-state-name</code> - The state of the instance (<code>pending</code>) | <code>running</code>) | <code>shutting-down</code>) | <code>terminated</code>) | <code>stopping</code>) | <code>stopped</code>).<p> <li> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code>) | <code>failed</code>) | <code>initializing</code>) | <code>insufficient-data</code>).<p> <li> <code>instance-status.status</code> - The status of the instance (<code>ok</code>) | <code>impaired</code>) | <code>initializing</code>) | <code>insufficient-data</code>) | <code>not-applicable</code>.)</li> <li> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code>) | <code>failed</code>) | <code>initializing</code>) | <code>insufficient-data</code>) | <code>not-applicable</code>).<p> <li> <code>system-status.status</code> - The system status of the instance (<code>ok</code>) | <code>impaired</code>) | <code>initializing</code>) | <code>insufficient-data</code>) | <code>not-applicable</code>.)</li> <li> <code>availability-zone</code> - The Availability Zone of the instance.</li> <li> <code>instance-state-name</code> - The state of the instance (<code>pending</code>) | <code>running</code>) | <code>shutting-down</code>) | <code>terminated</code>) | <code>stopping</code>) | <code>stopped</code>).<p> <li> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code>) | <code>failed</code>) | <code>initializing</code>) | <code>insufficient-data</code>) | <code>not-applicable</code>.)</li> <li> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code>) | <code>failed</code>) | <code>initializing</code>) | <code>insufficient-data</code>) | <code>not-applicable</code>.)</li> <li> <code>availability-zone</code> - The Availability Zone of the instance.</li>

```java
getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
```

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"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter"}
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <code>availability-zone</code> - The Availability Zone of the instance.</li> <li> <code>event.code</code> - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).<p> <li> <code>event.not-after</code> - The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> <li> <code>event.not-before</code> - The earliest start time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).<p> <li> <code>instance-state-code</code> - The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).<p> <li> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopped</code>).<p> <li> <code>instance-status.reachability</code> - Filters on instance status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).<p> <li> <code>instance-status.status</code> - The status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> 
<li> <code>system-status.reachability</code> - Filters on system status where the name is <code>reachability</code> (<code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> 
</li> <li> <code>system-status.status</code> - The system status of the instance (<code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).<p> 


\n@param filters One or more filters.</p> <ul>
<li> <code>availability-zone</code> - The Availability Zone of the instance.<p> 
<li> <code>event.code</code> - The code for the scheduled event (<code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).<p> 


setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters.

instance (code>ok</code> | <code>impaired</code> | <code>initializing</code> | <code>insufficient-data</code> | <code>not-applicable</code>).</p> 

NOTE: This method appends the values to the existing list (if any). Use [@link setFilters(java.util.Collection)] or [@link withFilters(java.util.Collection)] if you want to override the existing values.</p>

A description of the event.</p> 

- The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> 

- The earliest start time for the scheduled event (for example, <code>2014-09-15T17:20.000Z</code>).</p> 

- The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> 

- The state of the instance (code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p> 

- Filters on instance status where the name is <code>reachability</code> <code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).</p> 

- The system status of the instance (code>ok</code> | <code>impaired</code> | <code>not-applicable</code>).</p> 

Returns a reference to this object so that method calls can be chained together.*"},

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter> ",
  "documentation" : "One or more filters."}

availability-zone</code> - The Availability Zone of the instance.</p> 

- The code for the scheduled event (code>instance-reboot</code> | <code>system-reboot</code> | <code>system-maintenance</code> | <code>instance-retirement</code> | <code>instance-stop</code>).</p> 

- A description of the event.</p> 

- The latest end time for the scheduled event (for example, <code>2014-09-15T17:15:20.000Z</code>).</p> 

- The earliest start time for the scheduled event (for example, <code>2014-09-15T17:20.000Z</code>).</p> 

- The code for the instance state, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> 

- The state of the instance (code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).</p> 

- Filters on instance status where the name is <code>reachability</code> <code>passed</code> | <code>failed</code> | <code>initializing</code> | <code>insufficient-data</code>).</p> 

- The system status of the instance (code>ok</code> | <code>impaired</code> | <code>not-applicable</code>).</p> 

- Filters on system status where
**IncludeAllInstances**

- **setterDocumentation**: 
  ```
  /**
   * When `<code>true</code>`, includes the health status for all instances. When
   * `<code>false</code>`, includes the health status for running instances only.
   * Default: `<code>false</code>`
   
   @param includeAllInstances When `<code>true</code>`, includes the health status for all instances. When
   * `<code>false</code>`, includes the health status for running instances only.
   * Default: `<code>false</code>`
   */
  ```
- **setterMethodName**: `setIncludeAllInstances`
- **setterModel**: 
  ```
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "includeAllInstances",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  }
  ```
- **varargSetterDocumentation**: 
  ```
  /**
   * One or more instance IDs.
   * Default: Describes all your instances.
   * Constraints: Maximum 100 explicitly specified instance IDs.
   */
  ```
- **varargSetterMethodName**: `withInstanceIds`
- **variable**: 
  ```
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "includeAllInstances",
  "variableType": "Boolean",
  "documentation": "When `<code>true</code>`, includes the health status for all instances. When
  * `<code>false</code>`, includes the health status for running instances only.
  * Default: `<code>false</code>`
  
  @param includeAllInstances When `<code>true</code>`, includes the health status for all instances. When
  * `<code>false</code>`, includes the health status for running instances only.
  * Default: `<code>false</code>`
  
  @return Returns a reference to this object so that method calls can be chained together.
  */
  ```
- **variableModel**: 
  ```
  { 
  "variableDeclarationType": "Boolean",
  "variableName": "includeAllInstances",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
  }
  ```
- **xmlNameSpaceUri**: `null`
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"getterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p>@return One or more instance IDs.</p> <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.*/",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    }
  }
}
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
].
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String"
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs. Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p> <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance IDs. Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs.</p> <p>Default: Describes all your instances.</p> <p>Constraints: Maximum 100 explicitly specified instance IDs. NOTE: This method appends the values to the existing list (if any). Use { @link #getInstanceIds(java.util.Collection) } or { @link #withInstanceIds(java.util.Collection) } if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "One or more instance IDs. Default: Describes all your instances.
  Constraints: Maximum 100 explicitly specified instance IDs.
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"MaxResults": {
  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.
  "enumType": null,
  "fluentSetterDocumentation": "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call. */"}
call.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
@return Returns a reference to this object so that method calls can be chained together.*"*/

"getterMethodName" : "getMaxResults",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
}
,"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "MaxResults",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "MaxResults",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.</p>
@return Returns a reference to this object so that method calls can be chained together.*"*/

"setterMethodName" : "setMaxResults",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer"}
The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned \texttt{NextToken} value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.

\@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned \texttt{NextToken} value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.

\@return Returns a reference to this object so that method calls can be chained together.

The token to retrieve the next page of results.

The token to retrieve the next page of results.

The token to retrieve the next page of results.

The token to retrieve the next page of results.

The token to retrieve the next page of results.
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false}
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeInstanceStatusRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeInstanceStatusRequest",
"variableName" : "describeInstanceStatusRequest",}
"variableType": "DescribeInstanceStatusRequest",
"documentation": null,
"simpleType": "DescribeInstanceStatusRequest",
"variableSetterType": "DescribeInstanceStatusRequest"
],
"wrapper": false
],
"DescribeInstanceStatusResult": {
"c2jName": "DescribeInstanceStatusResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the output of DescribeInstanceStatus.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "InstanceStatuses",
"c2jShape": "InstanceStatusList",
"deprecated": false,
"documentation": "<p>One or more instance status descriptions.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceStatuses",
"getterDocumentation": "/**<p>One or more instance status descriptions.</p>\n@return One or more instance status descriptions.
*/",
"getterMethodName": "getInstanceStatuses",
"getterModel": {
"returnType": "java.util.List<InstanceStatus>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceStatus",
  "variableName" : "member",
  "variableType" : "InstanceStatus",
  "documentation" : "",
  "simpleType" : "InstanceStatus",
  "variableSetterType" : "InstanceStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceStatus",
  "variableName" : "member",
  "variableType" : "InstanceStatus",
  "documentation" : "",
  "simpleType" : "InstanceStatus",
  "variableSetterType" : "InstanceStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStatus",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatus",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
"templateType" : "java.util.List<InstanceStatus>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceStatuses",
"setterDocumentation" : "/**<p>One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceStatuses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
  "variableName" : "instanceStatuses",
  "variableType" : "java.util.List<InstanceStatus>",
  "documentation" : "",
  "simpleType" : "List<InstanceStatus>".```
"variableSetterType" : "java.util.Collection<InstanceStatus>",
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more instance status descriptions.\nNOTE:\nThis method appends the values to the existing list (if any). Use {@link #setInstanceStatuses(java.util.Collection)} or {@link #withInstanceStatuses(java.util.Collection)} if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
"variableName" : "instanceStatuses",
"variableType" : "java.util.List<InstanceStatus>",
"documentation" : "One or more instance status descriptions."
"simpleType" : "List<InstanceStatus>",
"variableSetterType" : "java.util.Collection<InstanceStatus>",
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe token to use to retrieve the next page of results. This value is null when there are no more results to return.\n\n@returns The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n\n@returns The token to use to retrieve the next page of results. This value is null when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"isFlattened" : false,
"isGreedy" : false,
"isHeader" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
</code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve
the next page of results. This value is
</code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
</code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve
the next page of results. This value is
</code>null</code> when there are no more results to return.
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to use to retrieve the next page of results. This value is
</code>null</code> when there are no more results to return.</p>
",,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
} ],
"membersAsMap" : {
  "InstanceStatuses" : {
    "c2jName" : "InstanceStatuses",
    "c2jShape" : "InstanceStatusList",
    "deprecated" : false,
    "documentation" : "One or more instance status descriptions.</p>
",,
"enumType" : null,
"fluentSetterDocumentation" : "One or more instance status descriptions.</p>
@param instanceStatuses One or more instance status descriptions.
@return Returns a reference to this object so that
method calls can be chained together.*/",}
**getterDocumentation** : "/**<p>One or more instance status descriptions.</p>
@return One or more instance status descriptions.*/

**getterMethodName** : "getInstanceStatuses",
**getterModel** : {
   "returnType" : "java.util.List<InstanceStatus>",
   "documentation" : null
},

**http** : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceStatusSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceStatusSet",
   "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "InstanceStatus",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */
",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "InstanceStatus",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
**setterDocumentation**: 
```java
/**
@param member */
```

**setterMethodName**: "setMember",

**setterModel**: 
```java
{
    "variableDeclarationType": "InstanceStatus",
    "variableName": "member",
    "variableType": "InstanceStatus",
    "documentation": "",
    "simpleType": "InstanceStatus",
    "variableSetterType": "InstanceStatus"
}
```

**variable**: 
```java
{
    "variableDeclarationType": "InstanceStatus",
    "variableName": "member",
    "variableType": "InstanceStatus",
    "documentation": "",
    "simpleType": "InstanceStatus",
    "variableSetterType": "InstanceStatus"
}
```

**varargSetterDocumentation**: 
```java
/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable**: 
```java
{
    "variableDeclarationType": "InstanceStatus",
    "variableName": "member",
    "variableType": "InstanceStatus",
    "documentation": "",
    "simpleType": "InstanceStatus",
    "variableSetterType": "InstanceStatus"
}
```

**xmlNameSpaceUri**: null
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
"templateType" : "java.util.List<InstanceStatus>",
},
"map" : false,
"mapModel" : null,
"name" : "Instance_statuses",
"setterDocumentation" : "*/ *<p>One or more instance status descriptions.</p>\n@param instance_statuses One or more instance status descriptions.*]/",
"setterMethodName" : "setInstance_statuses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
  "variableName" : "instance_statuses",
  "variableType" : "java.util.List<InstanceStatus>",
  "documentation" : "",
  "simpleType" : "List<InstanceStatus>",
  "variableSetterType" : "java.util.Collection<InstanceStatus>",
},
"simple" : false,
"varargSetterDocumentation" : "*/ *<p>One or more instance status descriptions.</p>\n@param instance_statuses One or more instance status descriptions.\n@return Returns a reference to this object so that method calls can be chained together.*]/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatus>",
  "variableName" : "instance_statuses",
  "variableType" : "java.util.List<InstanceStatus>",
  "documentation" : "One or more instance status descriptions.",
  "simpleType" : "List<InstanceStatus>",
  "variableSetterType" : "java.util.Collection<InstanceStatus>",
  "xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*]/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*]/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return The token to use to retrieve the next page of results. This value is null when there are no more results to return.*]/";
"getterMethodName" : "getNextToken",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>""}
when there are no more results to return.

```json
{
    "requestSignerAware": false,
    "requestSignerClassFqn": null,
    "required": null,
    "shapeName": "DescribeInstanceStatusResult",
    "unmarshaller": {
        "flattened": false,
        "resultWrapper": null
    },
    "variable": {
        "variableDeclarationType": "DescribeInstanceStatusResult",
        "variableName": "describeInstanceStatusResult",
        "variableType": "DescribeInstanceStatusResult",
        "documentation": null,
        "simpleType": "DescribeInstanceStatusResult",
        "variableSetterType": "DescribeInstanceStatusResult"
    },
    "wrapper": false
}
```

```json
{
    "c2jName": "DescribeInstancesRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "Contains the parameters for DescribeInstances.<p>",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "hasStreamingMember": false,
    "marshaller": {
        "action": "DescribeInstances",
        "locationName": null,
        "requestUri": "/",
        "target": null,
        "verb": "POST",
        "xmlNameSpaceUri": null
    }
}
```
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
  @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
  @param member
  @return Returns a reference to this object so that
  method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**
 * One or more instance IDs.
 * Default: Describes all your instances.
 * @param instanceIds One or more instance IDs.
 * Default: Describes all your instances.*/
",
"setterMethodName": "setInstanceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * One or more instance IDs.
 * Default: Describes all your instances.
 * 
 * NOTE: This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.
 * 
 * @param instanceIds One or more instance IDs.
 * Default: Describes all your instances.
 * @return Returns a reference to this object so that method calls can be chained together.*/
",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "instanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "One or more instance IDs.
  Default: Describes all your instances.
  
  simpleType: "List<String>",
  variableSetterType: "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.

\<ul\><li\>\<p\>\<code\>affinity\</code\> - The affinity setting for an instance running on a Dedicated Host \(\<code\>default\</code\> | \<code\>host\</code\>\).\</p\></li><p\>\</p\>\</ul\>\n
\<p\>\n
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instance to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> <li> <p> <code>network-interface.attachment.attach-time</code> - The time that the network interface was attached to an instance.</p> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> <li> <p> <code>network-interface.attachment.attach-time</code> - The time that the network interface was attached to an instance.</p> <li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> <li> <p> <code>network-interface.status</code> - The status of the network interface (<code>available</code> | <code>in-use</code>).</p> <li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the network interface to perform network address translation (NAT) in your VPC.</p> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> <li> <p> <code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>).</p> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</p> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the instance to perform network address translation (NAT) in your VPC.
&lt;code&gt;state-reason-code&lt;/code&gt; - The reason code for the state change.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;state-reason-message&lt;/code&gt; - A message that describes the state change.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;subnet-id&lt;/code&gt; - The ID of the subnet for the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag&lt;/code&gt;:&lt;i&gt;&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt;&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;tenancy&lt;/code&gt; - The tenancy of an instance (&lt;code&gt;dedicated&lt;/code&gt; | &lt;code&gt;default&lt;/code&gt; | &lt;code&gt;host&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;virtualization-type&lt;/code&gt; - The virtualization type of the instance (&lt;code&gt;paravirtual&lt;/code&gt; | &lt;code&gt;hvm&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;vpc-id&lt;/code&gt; - The ID of the VPC that the instance is running in.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;One or more filters.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;affinity&lt;/code&gt; - The affinity setting for an instance running on a Dedicated Host (&lt;code&gt;default&lt;/code&gt; | &lt;code&gt;host&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;architecture&lt;/code&gt; - The instance architecture (&lt;code&gt;i386&lt;/code&gt; | &lt;code&gt;x86_64&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;association.public-ip&lt;/code&gt; - The address of the Elastic IP address (IPv4) bound to the network interface.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;association.ip-owner-id&lt;/code&gt; - The owner of the Elastic IP address (IPv4) associated with the network interface.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;association.allocation-id&lt;/code&gt; - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;association.association-id&lt;/code&gt; - The association ID returned when the network interface was associated with an IPv4 address.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;availability-zone&lt;/code&gt; - The Availability Zone of the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;block-device-mapping.attachment-time&lt;/code&gt; - The attach time for an EBS volume mapped to the instance, for example, &lt;code&gt;2010-09-15T17:15:20.000Z&lt;/code&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;block-device-mapping.delete-on-termination&lt;/code&gt; - A Boolean that indicates whether the EBS volume is deleted on instance termination.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;block-device-mapping.device-name&lt;/code&gt; - The device name for the EBS volume (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;/dev/xvdh&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;block-device-mapping.status&lt;/code&gt; - The status for the EBS volume (&lt;code&gt;attaching&lt;/code&gt; | &lt;code&gt;attached&lt;/code&gt; | &lt;code&gt;detaching&lt;/code&gt; | &lt;code&gt;detached&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;block-device-mapping.volume-id&lt;/code&gt; - The ID of the EBS volume.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;client-token&lt;/code&gt; - The idempotency token you provided when you launched the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;dns-name&lt;/code&gt; - The public DNS name of the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;group-id&lt;/code&gt; - The ID of the security group for the instance. EC2-Classic only.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;group-name&lt;/code&gt; - The name of the security group for the instance. EC2-Classic only.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;host-id&lt;/code&gt; - The ID of the Dedicated Host on which the instance is running, if applicable.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;hypervisor&lt;/code&gt; - The hypervisor type of the instance (&lt;code&gt;ovm&lt;/code&gt; | &lt;code&gt;xen&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;iam-instance-profile.arn&lt;/code&gt; - The instance profile associated with the instance. Specified as an ARN.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;image-id&lt;/code&gt; - The ID of the image used to launch the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;instance-id&lt;/code&gt; - The ID of the instance.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;instance-lifecycle&lt;/code&gt; - Indicates whether this is a Spot Instance or a Scheduled Instance (&lt;code&gt;spot&lt;/code&gt; | &lt;code&gt;scheduled&lt;/code&gt;).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;instance-state-code&lt;/code&gt; - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;instance-state-name&lt;/code&gt; - The state of the instance (&lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;running&lt;/code&gt; | &lt;code&gt;shutting-down&lt;/code&gt; |
interface. The MAC address of the network interface. <p></p> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface. </p></li> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface. </p></li> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface. </p></li> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS. </p></li> <li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. </p></li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface. </p></li> <li> <p> <code>network-interface.association-id</code> - The ID of the VPC for the network interface. </p></li> <li> <p> <code>network-interface.association-counter</code> - The AWS account ID of the instance owner. </p></li> <li> <p> <code>network-interface.association-id</code> - The ID of the placement group for the instance. </p></li> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance. </p></li> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank. </p></li> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance. </p></li> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance. </p></li> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance. </p></li> <li> <p> <code>product-code.type</code> - The type of product code. </p></li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID. </p></li> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter. </p></li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). </p></li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID. </p></li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p></li> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses. </p></li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. </p></li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p></li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=\"Purpose\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p></li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p></li> <li> <p> <code>tenancy</code> - The tenancy of an instance.
one or more filters.

- **affinity** - The affinity setting for an instance running on a Dedicated Host
- **architecture** - The instance architecture
- **association.public-ip** - The address of the Elastic IP address (IPv4) bound to the network interface
- **association.ip-owner-id** - The owner of the Elastic IP address (IPv4) associated with the network interface
- **association.allocation-id** - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface
- **availability-zone** - The Availability Zone of the instance
- **block-device-mapping.attach-time** - The attach time for an EBS volume mapped to the instance, for example, \"2010-09-15T17:15:20.000Z\".
- **block-device-mapping.delete-on-termination** - A Boolean that indicates whether the EBS volume is deleted on instance termination.
- **block-device-mapping.device-name** - The device name for the EBS volume (for example, \"/dev/sdh\" or \"xvdh\").
- **block-device-mapping.status** - The status for the EBS volume
- **client-token** - The idempotency token you provided when you launched the instance.
- **dns-name** - The public DNS name of the instance.
- **group-id** - The ID of the security group for the instance. EC2-Classic only.
- **group-name** - The name of the security group for the instance. EC2-Classic only.
- **host-id** - The ID of the Dedicated Host on which the instance is running, if applicable.
- **hypervisor** - The hypervisor type of the instance
- **iam-instance-profile.arn** - The instance profile associated with the instance. Specified as an ARN.
- **image-id** - The ID of the image used to launch the instance.
- **instance-id** - The ID of the instance.
- **instance.lifecycle** - Indicates whether this is a Spot Instance or a Scheduled Instance
- **instance.state-name** - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
- **instance.state-code** - The state of the instance
- **instance-type** - The type of instance (for example, \"t2.micro\")
- **instance.group-id** - The ID of the security group for the instance.
- **instance.group-name** - The name of the security group for the instance.
- **ip-address** - The public IPv4 address of the instance.
- **kernel-id** - The kernel ID.
- **key-name** - The name of the key pair used when the instance was launched.
- **launch-index** - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).
- **launch-time** - The time when the instance was launched.
- **network-interface.addresses.private-ip-address** - The private IPv4 address associated with the network interface.
- **network-interface.addresses.primary** - Specifies whether the
IPv4 address of the network interface is the primary private IPv4 address.

- The ID of the association of an Elastic IP address (IPv4) with a network interface.
- The owner ID of the private IPv4 address associated with the network interface.
- The ID of the interface attachment.
- The IPv4 address of the network interface is the primary private IPv4 address.

- The ID of the instance to which the network interface is attached.
- The owner ID of the instance to which the network interface is attached.
- The device index to which the network interface is attached.

- The ID of the instance attachment.
- The status of the attachment.

- The ID of the association of an Elastic IP address (IPv4) with a network interface.
- The owner ID of the private IPv4 address associated with the network interface.
- The device index to which the network interface is attached.

- The status of the attachment (attaching).
- Specifies whether the attachment is deleted when an instance is terminated.

- The Availability Zone for the network interface.

- The description of the network interface.

- The ID of a security group associated with the network interface.

- The name of a security group associated with the network interface.

- The IPv6 address associated with the network interface.

- The MAC address of the network interface.

- The ID of the owner of the network interface.

- The private DNS name of the network interface.

- The requestor ID for the network interface.

- Indicates whether the network interface is being managed by AWS.

- The status of the network interface (available | in-use).

- Whether the network interface performs source/destination checking.

- A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.

- The ID of the subnet for the network interface.

- The ID of the VPC for the network interface.

- The AWS account ID of the instance owner.

- The name of the placement group for the instance.

- The platform. Use windows if you have Windows instances; otherwise, leave blank.

- The private IPv4 DNS name of the instance.

- The private IPv4 address of the instance.

- The product code associated with the AMI used to launch the instance.

- The type of product code.

- The RAM disk ID.

- The reason for the current state of the instance (for example, shows \"User Initiated [date]\" when you stop or terminate the instance). Similar to the state-reason-code filter.

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

- The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.
<code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p></p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).<p></p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.<p></p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.<p></p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.<p></p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.<p></p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p></p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag:Purpose=X</code> and the filter <code>tag-value=VirtualPrivate</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.<p></p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<p></p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>).<p></p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.<p></p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.<p></p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).<p></p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).<p></p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.<p></p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.<p></p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance.<p></p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.<p></p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.<p></p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.<p></p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>).<p></p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.<p></p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.<p></p> </li> <li> <p> <code>instance-id</code> - The ID of the instance.<p></p> </li> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a
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     * method calls can be chained together.*/",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). </p>
</li> <li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>). </p>
</li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. </p>
</li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </p>
</li> <li> <p> <code>association.allocation-id</code> - The
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interface.attachment.attach-time - The time that the network interface was attached to an instance.

interface.attachment.delete-on-termination - Specifies whether the attachment is deleted when an instance is terminated.

interface.availability-zone - The Availability Zone for the network interface.

interface.description - The description of the network interface.

interface.group-id - The ID of a security group associated with the network interface.

interface.group-name - The name of a security group associated with the network interface.

interface.mac-address - The MAC address of the network interface.

interface.network-interface-id - The ID of the network interface.

interface.owner-id - The ID of the owner of the network interface.

interface.private-dns-name - The private DNS name of the network interface.

interface.requester-id - The requester ID for the network interface.

interface.requester-managed - Indicates whether the network interface is being managed by AWS.

interface.status - The status of the network interface.

interface.source-dest-check - Whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.

interface.subnet-id - The ID of the subnet for the network interface.

interface.vpc-id - The ID of the VPC for the network interface.

owner-id - The AWS account ID of the instance owner.

placement-group-name - The name of the placement group for the instance.

platform - The platform. Use windows if you have Windows instances; otherwise, leave blank.

private-dns-name - The private IPv4 DNS name of the instance.

private-ip-address - The private IPv4 address of the instance.

product-code - The product code associated with the AMI used to launch the instance.

product-code.type - The type of product code (devpay | marketplace).

ramdisk-id - The RAM disk ID.

reason - The reason for the current state of the instance (for example, shows User Initiated [date]) when you stop or terminate the instance). Similar to the state-reason-code filter.

requester-id - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

reservation-id - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.

root-device-name - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).

root-device-type - The type of root device that the instance uses (ebs | instance-store).

source-dest-check - Indicates whether the instance performs source/destination checking. A value of true means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.

spot-instance-request-id - The ID of the Spot instance request.

state-reason-code - The reason code for the state change.

state-reason-message - A message that describes the state change.

subnet-id - The ID of the subnet for the instance.

tag - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in
the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</li>
<li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter and specify `\"key\"=Purpose\"\"` and `\"value\"=X\"\"` filters.</li>
<li>`<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</li>
</ul>

<p>`@param filters One or more filters.</p> <ul> <li> `<code>affinity</code>` - The affinity setting for an instance running on a Dedicated Host (`<code>default</code>` | `<code>host</code>`).</li>
<li> `<code>architecture</code>` - The instance architecture (`<code>i386</code>` | `<code>x86_64</code>`).</li>
<li> `<code>association.public-ip</code>` - The address of the Elastic IP address (IPv4) bound to the network interface.</li>
<li> `<code>association.ip-owner-id</code>` - The owner of the Elastic IP address (IPv4) associated with the network interface.</li>
<li> `<code>association.allocation-id</code>` - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</li>
<li> `<code>availability-zone</code>` - The Availability Zone of the instance.</li>
<li> `<code>block-device-mapping.attach-time</code>` - The attach time for an EBS volume mapped to the instance, for example, `<code>2010-09-15T17:15:20.000Z</code>`.</li>
<li> `<code>block-device-mapping.delete-on-termination</code>` - A Boolean that indicates whether the EBS volume is deleted on instance termination.</li>
<li> `<code>block-device-mapping.device-name</code>` - The device name for the EBS volume (for example, `<code>/dev/sdh</code>` or `<code>xvdh</code>`).</li>
<li> `<code>block-device-mapping.status</code>` - The status for the EBS volume (`<code>attaching</code>` | `<code>attached</code>` | `<code>detaching</code>` | `<code>detached</code>`).</li>
<li> `<code>block-device-mapping.volume-id</code>` - The volume ID of the EBS volume.</li>
<li> `<code>client-token</code>` - The idempotency token you provided when you launched the instance.</li>
<li> `<code>dns-name</code>` - The public DNS name of the instance.</li>
<li> `<code>group-id</code>` - The ID of the security group for the instance. EC2-Classic only.</li>
<li> `<code>group-name</code>` - The name of the security group for the instance. EC2-Classic only.</li>
<li> `<code>host-id</code>` - The ID of the Dedicated Host on which the instance is running, if applicable.</li>
<li> `<code>hypervisor</code>` - The hypervisor type of the instance (`<code>ovm</code>` | `<code>xen</code>`).</li>
<li> `<code>iam-instance-profile.arn</code>` - The instance profile associated with the instance. Specified as an ARN.</li>
<li> `<code>image-id</code>` - The ID of the image used to launch the instance.</li>
<li> `<code>instance-id</code>` - The ID of the instance.</li>
<li> `<code>instance-lifecycle</code>` - Indicates whether this is a Spot Instance or a Scheduled Instance (`<code>spot</code>` | `<code>scheduled</code>`).</li>
<li> `<code>instance-state-code</code>` - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</li>
<li> `<code>instance-state-name</code>` - The state of the instance (`<code>pending</code>` | `<code>running</code>` | `<code>shutting-down</code>` | `<code>terminated</code>` | `<code>stopping</code>` | `<code>stopped</code>`).</li>
</ul>
launched. </p>  

<li><p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). </p>  

<li><p> <code>launch-time</code> - The time when the instance was launched. </p>  

<li><p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code>) | <code>enabled</code>). </p>  

<p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface. </p>  

<li><p> <code>network-interface.addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary IPv4 address. </p>  

<li><p> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface. </p>  

<li><p> <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface. </p>  

<li><p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment. </p>  

<li><p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached. </p>  

<li><p> <code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. </p>  

<li><p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached. </p>  

<li><p> <code>network-interface.attachment.status</code> - The status of the attachment (<code>detaching</code> | <code>detached</code>). </p>  

<li><p> <code>network-interface.attachment.attach-time</code> - The time that the network interface was attached to an instance. </p>  

<li><p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated. </p>  

<li><p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface. </p>  

<li><p> <code>network-interface.description</code> - The description of the network interface. </p>  

<li><p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface. </p>  

<li><p> <code>network-interface.group-name</code> - The name of a security group associated with the network interface. </p>  

<li><p> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface. </p>  

<li><p> <code>network-interface.mac-address</code> - The MAC address of the network interface. </p>  

<li><p> <code>network-interface.network-interface-id</code> - The ID of the network interface. </p>  

<li><p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface. </p>  

<li><p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface. </p>  

<li><p> <code>network-interface.requester-id</code> - The requester ID for the network interface. </p>  

<li><p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS. </p>  

<li><p> <code>network-interface.status</code> - The status of the network interface (<code>available</code>) | <code>in-use</code>). </p>  

<li><p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. </p>  

<li><p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface. </p>  

<li><p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface. </p>  

<li><p> <code>owner-id</code> - The AWS account ID of the instance owner. </p>  

<li><p> <code>placement-group-name</code> - The name of the placement group for the instance. </p>  

<li><p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p>  

<li><p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance. </p>  

<li><p> <code>private-ip-address</code> - The private IPv4 address of the instance. </p>  

<li><p> <code>product-code</code> - The product code associated with the AMI used to launch the instance. </p>  


<li><p> <code>ramdisk-id</code> - The RAM disk ID. </p>  

<li><p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter. </p>  

</li>
<code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

<code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get ten reservation IDs.

<code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p></li>
<li>
<code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</p></li>

<code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.

<code>spot-instance-request-id</code> - The ID of the Spot instance request.

<code>state-reason-code</code> - The reason code for the state change.

<code>state-reason-message</code> - A message that describes the state change.

<code>subnet-id</code> - The ID of the subnet for the instance.

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>).
Availability Zone for the network interface.</li> <li> <code>network-interface.description</code> - The description of the network interface.</li> <li> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</li> <li> <code>network-interface.group-name</code> - The name of a security group associated with the network interface.</li> <li> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</li> <li> <code>network-interface.mac-address</code> - The MAC address of the network interface.</li> <li> <code>network-interface.network-interface-id</code> - The ID of the network interface.</li> <li> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</li> <li> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</li> <li> <code>network-interface.requester-id</code> - The requester ID for the network interface.</li> <li> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</li> <li> <code>network-interface.status</code> - The status of the network interface.</li> <li> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li> <li> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</li> <li> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</li> <li> <code>owner-id</code> - The AWS account ID of the instance owner.</li> <li> <code>placement-group-name</code> - The name of the placement group for the instance.</li> <li> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</li> <li> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</li> <li> <code>private-ip-address</code> - The private IPv4 address of the instance.</li> <li> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</li> <li> <code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>).</li> <li> <code>ramdisk-id</code> - The RAM disk ID.</li> <li> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</li> <li> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li> <li> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get ten reservation IDs.</li> <li> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</li> <li> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>).</li> <li> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</li> <li> <code>state-reason-code</code> - The reason code for the state change.</li> <li> <code>state-reason-message</code> - A message that describes the state change.</li> <li> <code>subnet-id</code> - The ID of the subnet for the instance.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter
"tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li><p> <code>tenancy</code> - The tenancy of an instance</p> <li><p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li></ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p> <ul>
<li><p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>). This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>). This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>client-token</code> - The idempotency token you provided when you launched the instance. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>dns-name</code> - The public DNS name of the instance. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>ip-address</code> - The public IPv4 address of the instance. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>kernel-id</code> - The kernel ID. This filter is independent of the <code>tag-value</code> filter.</p> <li><p> <code>key-name</code> - The name of the key pair used when the instance was launched. This filter is independent of the <code>tag-value</code> filter.
Management Console, Auto Scaling, and so on).</p> 
</li> 
<li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID. 
</p> 
</li> 
<li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). 
</p> 
</li> 
<li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). 
</p> 
</li> 
<li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. 
</p> 
</li> 
<li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request. 
</p> 
</li> 
<li> <p> <code>state-reason-code</code> - The reason code for the state change. 
</p> 
</li> 
<li> <p> <code>state-reason-message</code> - A message that describes the state change. 
</p> 
</li> 
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value. 
</p> 
</li> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. 
</p> 
</li> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 
</p> 
</li> 
<li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>). 
</p> 
</li> 
<li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). 
</p> 
</li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in. 
</p> 
</li> 
</p> 
</li> 
<li> <p> <code>variable</code> : { 
 variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>" , 
 "variableName" : "filters" , 
 "variableType" : "java.util.List<Filter>" , 
 "documentation" : "<p>One or more filters. 
</p> 
</li> 
<li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). 
</p> 
</li> 
<li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>). 
</p> 
</li> 
<li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. 
</p> 
</li> 
<li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. 
</p> 
</li> 
<li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. 
</p> 
</li> 
<li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. 
</p> 
</li> 
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance. 
</p> 
</li> 
<li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>. 
</p> 
</li> 
<li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. 
</p> 
</li> 
<li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>). 
</p> 
</li> 
<li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). 
</p> 
</li> 
<li> <p> <code>block-device-mapping.volume-
interface.</p> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> <li> <p> <code>network-interface.status</code> - The status of the network interface (available | in-use).</p> <li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> <li> <p> <code>owner-id</code> - The AWS account ID of the instance owner.</p> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> <li> <p> <code>platform</code> - The platform. Use windows if you have Windows instances; otherwise, leave blank.</p> <li> <p> <code>private-dns-name</code> - The private IPv4 address of the instance.</p> <li> <p> <code>private-ip-address</code> - The private IPv4 DNS name of the instance.</p> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> <li> <p> <code>product-code.type</code> - The type of product code (devpay | marketplace).</p> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).</p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).</p> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.</p> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
<li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li> 

The token to request the next page of results.

```
@return Returns a reference to this object so that method calls can be chained together.

/**
 * The token to request the next page of results.
 * @param nextToken
 * @return
 * @generated
 */
```

```
@generated
```
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to request the next page of results.</p>
@param nextToken
The token to request the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to request the next page of results.</p>
@param nextToken
The token to request the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>
@return The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false,
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",

"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>

@<p>param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>

@<p>param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.<p>

"variableSetterType" : "Integer"
}
1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.

```xml

"simpleType" : "Integer",
"variableSetterType" : "Integer"

"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li><code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>).\</li>
<li><code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>).\</li>
<li><code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.\</li>
<li><code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.\</li>
<li><code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.\</li>
<li><code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.\</li>
<li><code>availability-zone</code> - The Availability Zone of the instance.\</li>
<li><code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.\</li>
<li><code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.\</li>
<li><code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\</li>
<li><code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).\</li>
<li><code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume.\</li>
<li><code>client-token</code> - The idempotency token you provided when you launched the instance.\</li>
<li><code>dns-name</code> - The public DNS name of the instance.\</li>
<li><code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.\</li>
<li><code>group-name</code> - The name of the security group for the instance. EC2-Classic only.\</li>
<li><code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.\</li>
<li><code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>).\</li>
<li><code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.\</li>
<li><code>image-id</code> - The ID of the image used to launch the instance.\</li>
<li><code>instance-group-id</code> - The ID of the security group for the instance.\</li>
<li><code>instance-group-name</code> - The name of the security group for the instance.\</li>
<li><code>instance-id</code> - The ID of the instance.\</li>
<li><code>instance-life-cycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code> | <code>scheduled</code>).\</li>
<li><code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).\</li>
<li><code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>).\</li>
<li><code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>).\</li>
<li><code>instance.group-id</code> - The ID of the security group for the instance.\</li>
<li><code>instance.group-name</code> - The name of the security group for the instance.\</li>
<li><code>ip-address</code> - The public IPv4 address of the instance.\</li>
<li><code>kernel-id</code> - The kernel ID.\</li>
<li><code>key-name</code> - The name of the key pair used when the instance was
<code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).<p> </li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p> </li> <li> <p> <code>root-device-type</code> - The type of root device that the instances uses (<code>ebs</code> | <code>instance-store</code>).<p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XML", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>).<p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>).<p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li> "enumType" : null,

"fluentSetterDocumentation" : "*/8<p>One or more filters.</p> </ul>
</li> <li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>).<p> </li> <li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>).<p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.</p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>).<p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).<p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance.</p> </li>
<li> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</li> <li> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</li> <li> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</li> <li> <code>hypervisor</code> - The hypervisor type of the instance (code=ovm</code> | code=xen</code>).</li> <li> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</li> <li> <code>image-id</code> - The ID of the image used to launch the instance.</li> <li> <code>instance-id</code> - The ID of the instance.</li> <li> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (code=spot</code> | code=scheduled</code>).</li> <li> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</li> <li> <code>instance-type</code> - The type of instance (for example, code=t2.micro</code>).</li> <li> <code>instance.group-id</code> - The ID of the security group for the instance.</li> <li> <code>instance.group-name</code> - The name of the security group for the instance.</li> <li> <code>ip-address</code> - The public IPv4 address of the instance.</li> <li> <code>kernel-id</code> - The kernel ID.</li> <li> <code>key-name</code> - The name of the key pair used when the instance was launched.</li> <li> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</li> <li> <code>launch-time</code> - The time when the instance was launched.</li> <li> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (code=disabled</code> | code=enabled</code>).</li> <li> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</li> <li> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</li> <li> <code>network-interface.addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.</li> <li> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</li> <li> <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface.</li> <li> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.</li> <li> <code>network-interface.attachment.association-owner-id</code> - The ID of the instance to which the network interface is attached.</li> <li> <code>network-interface.attachment.attachment-owner-id</code> - The ID of the instance to which the network interface is attached.</li> <li> <code>network-interface.attachment.attachment-owner-id</code> - The ID of the instance to which the network interface is attached.</li> <li> <code>network-interface.attachment.deletion-time</code> - The time that the network interface was attached to an instance.</li> <li> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</li> <li> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</li> <li> <code>network-interface.description</code> - The description of the network interface.</li> <li> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</li> <li> <code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.</li> <li> <code>network-interface.mac-address</code> - The MAC address of the network interface.</li> <li> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</li> <li> <code>network-interface.private-dns-name</code> - The private DNS name of the
network interface.</li>
<li><p><code>network-interface.requester-id</code> - The requester ID for the network interface.</li>
<li><p><code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</li>
<li><p><code>network-interface.status</code> - The status of the network interface (available | in-use).</li>
<li><p><code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li>
<li><p><code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</li>
<li><p><code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</li>
<li><p><code>owner-id</code> - The AWS account ID of the instance owner.</li>
<li><p><code>placement-group-name</code> - The name of the placement group for the instance.</li>
<li><p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</li>
<li><p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</li>
<li><p><code>private-ip-address</code> - The private IPv4 address of the instance.</li>
<li><p><code>product-code</code> - The product code associated with the AMI used to launch the instance.</li>
<li><p><code>ramdisk-id</code> - The RAM disk ID.</li>
<li><p><code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</li>
<li><p><code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li>
<li><p><code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get ten reservation IDs. 
</li>
<li><p><code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</li>
<li><p><code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).</li>
<li><p><code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. 
</li>
<li><p><code>spot-instance-request-id</code> - The ID of the Spot instance request.</li>
<li><p><code>state-reason-code</code> - The reason code for the state change.</li>
<li><p><code>state-reason-message</code> - A message that describes the state change.</li>
<li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>purpose</code> for the filter value. 
</li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. 
</li>
<li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 
</li>
<li><p><code>tenancy</code> - The tenancy of an instance (dedicated | default | host). 
</li>
<li><p><code>virtualization-type</code> - The virtualization type of the instance (paravirtual | hvm). 
</li>
<li><p><code>vpc-id</code> - The ID of the VPC that the instance is running in. 
</li>
<li><p><code> affinity</code> - The affinity setting for an instance running on a
attached.</p> <li><p><code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> <li><p><code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> <li><p><code>network-interface.attachment.status</code> - The status of the attachment.</p> <li><p><code>network-interface.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> <li><p><code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> <li><p><code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> <li><p><code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> <li><p><code>network-interface.requester-id</code> - The requester ID for the network interface.</p> <li><p><code>network-interface.requester-managed</code> - Indicates whether the network interface being managed by AWS.</p> <li><p><code>network-interface.status</code> - The status of the network interface.</p> <li><p><code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p> <li><p><code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> <li><p><code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> <li><p><code>placement-group-name</code> - The name of the placement group for the instance.</p> <li><p><code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> <li><p><code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> <li><p><code>private-ip-address</code> - The private IPv4 address of the instance.</p> <li><p><code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>).</p> <li><p><code>ramdisk-id</code> - The RAM disk ID.</p> <li><p><code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> <li><p><code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> <li><p><code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> <li><p><code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p> <li><p><code>root-device-type</code> - The type of root device that the instance uses.</p> <li><p><code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.
<li> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</li> <li> <code>state-reason-code</code> - The reason code for the state change.</li> <li> <code>state-reason-message</code> - A message that describes the state change.</li> <li> <code>subnet-id</code> - The ID of the subnet for the instance.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>string</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Price" and the filter "tag-value=X", you get any resources assigned both the tag key Price and value X. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>tenancy</code> - The tenancy of an instance (``default`` | ``concurrent``).</li> <li> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</li> <li> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</li> <li> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</li> <li> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</li> <li> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.</li> <li> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</li> <li> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>).</li> <li> <code>block-device-mapping.status</code> - The status for the EBS volume (``attaching`` | ``attached`` | ``detaching`` | ``detached``).</li> <li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li> <li> <code>dns-name</code> - The public DNS name of the instance.</li> <li> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</li> <li> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</li> <li> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</li> <li> <code>hypervisor</code> - The hypervisor type of the instance (``ovm`` | ``xen``).</li> <li> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</li> <li> <code>image-id</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).
<code>private-dns-name</code> - The private IPv4 DNS name of the instance.

<code>private-ip-address</code> - The private IPv4 address of the instance.

<code>product-code</code> - The product code associated with the AMI used to launch the instance.

<code>product-code.type</code> - The type of product code.

<code>marketplace</code>.

<code>ramdisk-id</code> - The RAM disk ID.

<code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.

<code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).

<code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.

<code>root-device-name</code> - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).

<code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).

<code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.

<code>state-reason-code</code> - The reason code for the state change.

<code>state-reason-message</code> - A message that describes the state change.

<code>subnet-id</code> - The ID of the subnet for the instance.

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag:<i>key</i>=<i>value</i>/i" filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>affinity</code> - The affinity setting for an instance running on a Dedicated Host.

<code>architecture</code> - The instance architecture.

<code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.

<code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.

<code>association.association-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.

<code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.

<code>availability-zone</code> - The Availability Zone of the instance.

<code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.

<code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.

<code>block-device-mapping.device-name</code> - The device name for
the EBS volume (for example, `<code>/dev/sdh</code>` or `<code>/dev/xvdh</code>`).<p></p> 
<li> `<code>block-device-mapping.status</code>` - The status for the EBS volume ( `<code>attaching</code>` | `<code>attached</code>` | `<code>detaching</code>` | `<code>detached</code>` ).</li> 
<li> `<code>block-device-mapping.volume-id</code>` - The volume ID of the EBS volume.</li> 
<li> `<code>client-token</code>` - The idempotency token you provided when you launched the instance.</li> 
<li> `<code>dns-name</code>` - The public DNS name of the instance.</li> 
<li> `<code>group-id</code>` - The ID of the security group for the instance.</li> 
<li> `<code>host-id</code>` - The ID of the Dedicated Host on which the instance is running, if applicable.</li> 
<li> `<code>hypervisor</code>` - The hypervisor type of the instance ( `<code>ovm</code>` | `<code>xen</code>` ).</li> 
<li> `<code>iam-instance-profile.arn</code>` - The instance profile associated with the instance. Specified as an ARN.</li> 
<li> `<code>image-id</code>` - The ID of the image used to launch the instance.</li> 
<li> `<code>instance-id</code>` - The ID of the instance.</li> 
<li> `<code>instance-state-name</code>` - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</li>
<code>network-interface.ipv6-addresses.ipv6-address</code> - The IPv6 address associated with the network interface.

<code>network-interface.mac-address</code> - The MAC address of the network interface.

<code>network-interface.network-interface-id</code> - The ID of the network interface.

<code>network-interface.owner-id</code> - The ID of the owner of the network interface.

<code>network-interface.private-dns-name</code> - The private DNS name of the network interface.

<code>network-interface.requester-id</code> - The requester ID for the network interface.

<code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.

<code>network-interface.status</code> - The status of the network interface.

<code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.

<code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.

<code>owner-id</code> - The AWS account ID of the instance owner.

<code>placement-group-name</code> - The name of the placement group for the instance.

<code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.

<code>private-dns-name</code> - The private IPv4 DNS name of the instance.

<code>private-ip-address</code> - The private IPv4 address of the instance.

<code>product-code</code> - The product code associated with the AMI used to launch the instance.

<code>ramdisk-id</code> - The RAM disk ID.

<code>reason</code> - The reason for the current state of the instance (for example, shows \"User Initiated [date]\" when you stop or terminate the instance). Similar to the state-reason-code filter.

<code>reservation-id</code> - The ID of the reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you’ll get one reservation ID. If you launch ten instances using the same launch request, you’ll also get one reservation ID.

<code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). The ID of the subnet for the instance.

<code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the network interface to perform network address translation (NAT) in your VPC.

<code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

```
getterMethodName" : "getFilters",

getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "uri" : false
},

idempotencyToken" : false,

list" : true,

listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentsetterDocumentation" : "/**\n@method member \n\nReturns a reference to this object so that method calls can be chained together.*/",
    "fluentsetterMethodName" : "withMember",
    "getDocumentation" : "/**\n@method get \n\nReturns the\n\nReturns a reference to this object so that method calls can be chained together.*/",
    "getMethod Name" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). </p> </li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>). </p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. </p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. </p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance for example, <code>2010-09-15T17:15:20.000Z</code>. </p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. </p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>). </p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume. </p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance. </p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance. </p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only. </p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only. </p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable. </p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>xen</code>). </p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN. </p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance. </p> </li> <li> <p> <code>instance-id</code> - The ID of the instance (<code>pending</code> | <code>running</code> | <code>stopped</code>). </p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopped</code>). </p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>). </p> </li> <li> <p> <code>instance.group-id</code> - The ID of the security group for the instance. </p> </li> <li> <p> <code>instance.group-name</code> - The name of the security group for the instance. </p> </li> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance. </p> </li> <li> <p> <code>kernel-id</code> - The kernel ID. </p> </li> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched. </p> </li> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). </p> </li> <li> <p> <code>launch-time</code> - The time when the instance was launched. </p> </li> <li> <p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>). </p> </li>
<code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</p> 
</li> 
<li> <p> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</p> </li> 
<li> <p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> 
<li> <p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> 
<li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> 
<li> <p> <code>network-interface.attachment.status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). The time that the network interface was attached to an instance.</p> </li> 
<li> <p> <code>network-interface.attachment.delete-on-termination</code> - Specifies whether the attachment is deleted when an instance is terminated.</p> </li> 
<li> <p> <code>network-interface.availability-zone</code> - The Availability Zone for the network interface.</p> </li> 
<li> <p> <code>network-interface.description</code> - The description of the network interface.</p> </li> 
<li> <p> <code>network-interface.group-id</code> - The ID of a security group associated with the network interface.</p> </li> 
<li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface.</p> </li> 
<li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> </li> 
<li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface.</p> </li> 
<li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> </li> 
<li> <p> <code>network-interface.private-ip-address</code> - The private IPv4 address of the instance.</p> </li> 
<li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> </li> 
<li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> </li> 
<li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> 
<li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> </li> 
<li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> </li> 
<li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> </li> 
<li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> </li> 
<li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> </li> 
<li> <p> <code>product-code.type</code> - The type of product code (<code>devpay</code> | <code>marketplace</code>). Use <code>devpay</code> for Amazon provided AMIs, and <code>marketplace</code> for AMIs of third-party providers and partners.</p> </li> 
<li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> 
<li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> </li> 
<li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> 
<li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch...
multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID. For example, <code>root-device-name</code> - The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). <p></p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). </p> </li> <li> <p> <code>source-destination-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. </p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request. </p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change. </p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change. </p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance. </p> </li> <li> <p> <code>tag:Key</code> - A key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>). </p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in. </p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. </p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. </p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. </p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>. </p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination. </p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance. </p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/xvdh</code>). </p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance. </p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance. </p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only. </p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only. </p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable. </p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>). </p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN. </p> </li>
- The ID of the image used to launch the instance.
- The state of the instance.
- The type of instance (for example, t2.micro).
- The ID of the security group for the instance.
- The name of the security group for the instance.
- The public IPv4 address of the instance.
- The kernel ID.
- The name of the key pair used when the instance was launched.
- When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).
- The time when the instance was launched.
- Indicates whether detailed monitoring is enabled.
- The ID of the association of an Elastic IP address (IPv4) with a network interface.
- The owner ID of the private IPv4 address associated with the network interface.
- The ID of the interface attachment.
- The ID of the instance to which the network interface is attached.
- The device index to which the network interface is attached.
- The status of the attachment.
- Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.
- The ID of the association of an Elastic IP address (IPv4) with a network interface.
- The owner ID of the private IPv4 address associated with the network interface.
- The ID of the interface attachment.
- The description of the network interface.
- The ID of a security group associated with the network interface.
- The name of a security group associated with the network interface.
- The IPv6 address associated with the network interface.
- The MAC address of the network interface.
- The ID of the owner of the network interface.
- The private DNS name of the network interface.
- The request ID for the network interface.
- Indicates whether the network interface is being managed by AWS.
- The status of the network interface.
- Whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled.
disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.

- The ID of the subnet for the network interface.
- The ID of the VPC for the network interface.
- The AWS account ID of the instance owner.
- The name of the placement group for the instance.
- The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.
- The ID of the subnet for the instance.
- The private IPv4 DNS name of the instance.
- The private IPv4 address of the instance.
- The product code associated with the AMI used to launch the instance.
- The type of product code (<code>devpay</code> | <code>marketplace</code>). The RAM disk ID.
- The reason for the current state of the instance (for example, shows 'User Initiated [date]' when you stop or terminate the instance).

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.
- The name of the root device for the instance (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC.
- The ID of the subnet for the instance.
- The ID of the VPC that the instance is running in.

```
setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
```
"variableSetterType" : "java.util.Collection<Filter>" 
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters. <li> <p> affinity</p> - The affinity setting for an instance running on a Dedicated Host ([code]default[/code] | [code]host[/code]). <li> <p> architecture</p> - The instance architecture ([code]i386[/code] | [code]x86_64[/code]). <li> <p> association.public-ip</p> - The address of the Elastic IP address (IPv4) bound to the network interface. <li> <p> association.ip-owner-id</p> - The owner of the Elastic IP address (IPv4) associated with the network interface. <li> <p> availability-zone</p> - The Availability Zone of the instance. <li> <p> association.association-id</p> - The association ID returned when the network interface was associated with an IPv4 address. <li> <p> availability-zone</p> - The Allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. <li> <p> association.allocation-id</p> - A Boolean that indicates whether the EBS volume is deleted on instance termination. <li> <p> block-device-mapping.device-name</p> - The device name for the EBS volume (for example, [code]/dev/sdh[/code] or [code]/dev/xvdh[/code]). <li> <p> block-device-mapping.size</p> - The volume size of the EBS volume. <li> <p> group-id</p> - The ID of the security group for the instance. EC2-Classic only. <li> <p> group-name</p> - The name of the security group for the instance. EC2-Classic only. <li> <p> host-id</p> - The ID of the Dedicated Host on which the instance is running, if applicable. <li> <p> hypervisor</p> - The hypervisor type of the instance ([code]ovm[/code] | [code>xen[/code]]. <li> <p> iam-instance-profile.arn</p> - The instance profile associated with the instance. Specified as an ARN. <li> <p> image-id</p> - The ID of the image used to launch the instance. <li> <p> instance-id</p> - The ID of the instance. <li> <p> instance-group-id</p> - The ID of the security group for the instance. <li> <p> ip-address</p> - The public IPv4 address of the instance. <li> <p> key-name</p> - The name of the key pair used when the instance was launched. <li> <p> launch-index</p> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). <li> <p> launch-time</p> - The time when the instance was launched. <li> <p> monitoring-state</p> - Indicates whether detailed monitoring is enabled ([code]disabled[/code] | [code]enabled[/code]). <li> <p> network-interface.addresses.private-ip-address</p> - The private IPv4 address associated with the network interface. <li> <p> network-interface.addresses.primary</p> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address. <li> <p> network-
<code>/dev/sda1</code> or <code>/dev/xvda</code>).</p> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (<code>ebs</code> | <code>instance-store</code>). </p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform network address translation (NAT) in your VPC. </p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>). </p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>). </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setFilters(java.util.Collection) ] or [ @link #withFilters(java.util.Collection) ] if you want to override the existing values.</p> <ul> <li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>). </p> </li> <li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>).</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.</p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>/dev/xvdh</code>). </p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume. </p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance.</p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (<code>ovm</code> | <code>xen</code>). </p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.</p> </li> <li> <p> <code>instance-id</code> - The ID of the
instance.</p> </li> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (<code>spot</code> | <code>scheduled</code>). </p> </li> <li> <p> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped). </p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (<code>pending</code> | <code>running</code> | <code>shutting-down</code> | <code>terminated</code> | <code>stopping</code> | <code>stopped</code>). </p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>). </p> </li> <li> <p> <code>instance.group-id</code> - The ID of the security group for the instance. </p> </li> <li> <p> <code>instance-group-name</code> - The name of the security group for the instance. </p> </li> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance. </p> </li> <li> <p> <code>kernel-id</code> - The kernel ID. </p> </li> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched. </p> </li> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on). </p> </li> <li> <p> <code>launch-time</code> - The time when the instance was launched. </p> </li> <li> <p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (<code>disabled</code> | <code>enabled</code>). </p> </li> <li> <p> <code>network-interface.addresses.private-ip-address</code> - The private IPv4 address associated with the network interface. </p> </li> <li> <p> <code>network-interface.addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface. </p> </li> <li> <p> <code>network-interface.addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface. </p> </li> <li> <p> <code>network-interface.attachment.attachment-id</code> - The ID of the interface attachment. </p> </li> <li> <p> <code>network-interface.attachment.instance-id</code> - The ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>network-interface.attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>network-interface.attachment.device-index</code> - The device index to which the network interface is attached. </p> </li> <li> <p> <code>network-interface.attachment.status</code> - The status of the attachment. </p> </li> <li> <p> <code>network-interface.mac-address</code> - The MAC address of the network interface. </p> </li> <li> <p> <code>network-interface.owner-id</code> - The ID of the owner of the network interface. </p> </li> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface. </p> </li> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface. </p> </li> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS. </p> </li> <li> <p> <code>network-interface.status</code> - The status of the network interface. </p> </li> <li> <p> <code>source-dest-check</code> - Whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation.
(NAT) in your VPC.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> </li> <li> <p> <code>platform</code> - The platform. Use <code>windows</code> if you have Windows instances; otherwise, leave blank.</p> </li> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</p> </li> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> </li> <li> <p> <code>product-code.type</code> - The type of product code (devpay | marketplace).</p> </li> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> </li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).</p> </li> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).</p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of false means that checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> </li> <li> <p> <code>state-reason-code</code> - The reason code for the state change.</p> </li> <li> <p> <code>state-reason-message</code> - A message that describes the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:key=Purpose filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, specifying both the tag key "CostCenter" and the tag value "300", you get any resources assigned both the tag key CostCenter and the tag value 300. If you want to list only resources that have the tag key "CostCenter", use the filter <code>tag-key=CostCenter</code> without specifying a <code>tag-value</code> filter.</p> </li> <li> <p> <code>tag:key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:key=Purpose filter.</p> </li> <li> <p> <code>tag:value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, specifying both the tag key "CostCenter" and the tag value "300", you get any resources assigned both the tag key CostCenter and the tag value 300. If you want to list only resources that have the tag key "CostCenter", use the filter <code>tag-key=CostCenter</code> without specifying a <code>tag-value</code> filter.</p> </li> <li> <p> <code>tenancy</code> - The tenancy of an instance (dedicated | default | host).</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (paravirtual | hvm).</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</p> </li> <li> <p> <code>windowss</code> - If you have Windows instances; otherwise, leave blank.</p> </li> <li> <p> <code>windows</code> - If you have Windows instances; otherwise, leave blank.</p> </li>
<li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> <li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-17T17:52:00.000Z</code>.</p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p> </li> <li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (attaching | attaching | attached | detached). The status of the instance (pending | running | shutting-down | terminated | stopping | stopped). The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> </li> <li> <p> <code>client-token</code> - The idempotency token you provided when you launched the instance.</p> </li> <li> <p> <code>dns-name</code> - The public DNS name of the instance.</p> </li> <li> <p> <code>group-id</code> - The ID of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>group-name</code> - The name of the security group for the instance. EC2-Classic only.</p> </li> <li> <p> <code>host-id</code> - The ID of the Dedicated Host on which the instance is running, if applicable.</p> </li> <li> <p> <code>hypervisor</code> - The hypervisor type of the instance (ovm | xen | kasm | rhv). The hypervisor name for the instance. (for example, <code>t2.micro</code>).</p> </li> <li> <p> <code>iam-instance-profile.arn</code> - The instance profile associated with the instance. Specified as an ARN.</p> </li> <li> <p> <code>image-id</code> - The ID of the image used to launch the instance.</p> </li> <li> <p> <code>instance-lifecycle</code> - Indicates whether this is a Spot Instance or a Scheduled Instance (spot | scheduled).</p> </li> <li> <p> <code>instance-state-code</code> - The state of the instance, as a 16-bit unsigned integer. The high byte is an opaque internal value and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).</p> </li> <li> <p> <code>instance-state-name</code> - The state of the instance (pending | running | shutting-down | terminated | stopping | stopped). The type of instance (for example, <code>t2.micro</code>).</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>t2.micro</code>).</p> </li> <li> <p> <code>ip-address</code> - The public IPv4 address of the instance.</p> </li> <li> <p> <code>kernel-id</code> - The kernel ID for the instance.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair used when the instance was launched.</p> </li> <li> <p> <code>launch-index</code> - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).</p> </li> <li> <p> <code>launch-time</code> - The time when the instance was launched.</p> </li> <li> <p> <code>monitoring-state</code> - Indicates whether detailed monitoring is enabled (disabled | enabled). The private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface-addresses.private-ip-address</code> - The private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface-addresses.primary</code> - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.</p> </li> <li> <p> <code>network-interface-addresses.association.public-ip</code> - The ID of the association of an Elastic IP address (IPv4) with a network interface.</p> </li> <li> <p> <code>network-interface-addresses.association.ip-owner-id</code> - The owner ID of the private IPv4 address associated with the network interface.</p> </li> <li> <p> <code>network-interface.association.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>network-interface.association.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li>
message</code> - A message that describes the state change.</li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the instance.</li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <p> <code>tenancy</code> - The tenancy of an instance (<code>dedicated</code> | <code>default</code> | <code>host</code>).</li> <li> <p> <code>virtualization-type</code> - The virtualization type of the instance (<code>paravirtual</code> | <code>hvm</code>).</li> <li> <p> <code>vpc-id</code> - The ID of the VPC that the instance is running in.</li> </ul>
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Default: Describes all your
instances.</p> <h3>Note:</h3> One or more instance IDs.</p> <p>Default: Describes all your instances.*/",
"setterMethodName" : "getInstanceIds",
"setterModelName" : "getInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*
@param instanceIds One or more instance IDs.

"Note:" This method appends the values to the existing list (if any). Use { @link
#setInstanceIds(java.util.Collection) or @link #withInstanceIds(java.util.Collection)) if you want to override the existing values.

@p Default: Describes all your instances.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more instance IDs.
  Default: Describes all your instances.
  Returns a reference to this object so that method calls can be chained together.*/

"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned "NextToken" value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned "NextToken" value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
  "getterDocumentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned "NextToken" value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.</p>@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
*/
@param maxResults The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.
"",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
   "c2jName" : "NextToken",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The token to request the next page of results.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The token to request the next page of results.</p>
\n@retval Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withNextToken",
   "getterDocumentation" : "/**<p>The token to request the next page of results.</p>
\n@return The token to request the next page of results.*/",
   "getterMethodName" : "getNextToken",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "NextToken",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "nextToken",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "NextToken",
   "setterDocumentation" : "/**<p>The token to request the next page of results.</p>
\n@retval The token to request the next page of results.*/",
   "setterMethodName" : "setNextToken",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "nextToken",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "/*\</p>\nThe token to request the next page of results.\n\</p>\n*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "\nThe token to request the next page of results.\</p>\"",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeInstancesRequest",
"unmarshaller": null,
"variable": {
"variableDeclarationType": "DescribeInstancesRequest",
"variableName": "describeInstancesRequest",
"variableType": "DescribeInstancesRequest",
"documentation": null,
"simpleType": "DescribeInstancesRequest",
"variableSetterType": "DescribeInstancesRequest"
},
"wrapper": false
},
"DescribeInstancesResult": {
"c2jName": "DescribeInstancesResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "\nContains the output of DescribeInstances.\</p>\",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members" : [ {
  "c2jName" : "Reservations",
  "c2jShape" : "ReservationList",
  "deprecated" : false,
  "documentation" : "<p>Zero or more reservations.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations:
@return Returns a reference to this object so that method calls can be chained together.*="/",
  "fluentSetterMethodName" : "withReservations",
  "getterDocumentation" : "/**<p>Zero or more reservations.</p>
@return Zero or more reservations.*="/",
  "getterMethodName" : "getReservations",
  "getterModel" : {
    "returnType" : "java.util.List<Reservation>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservationSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservationSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Reservation",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*="/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "Reservation",
        "documentation" : null
      }
    }
  }
}];
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Reservation",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Reservation>",
"templateType": "java.util.List<Reservation>"
},
"map": false,
"mapModel": null,
"name": "Reservations",
"setterDocumentation": "/**<p>Zero or more reservations.</p>
@param reservations Zero or more
reservations.*/",
"setterMethodName": "setReservations",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName": "reservations",
  "variableType": "java.util.List<Reservation>",
  "documentation": "",
  "simpleType": "List<Reservation>",
  "variableSetterType": "java.util.Collection<Reservation>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Reservation>",
  "variableName": "reservations",
  "variableType": "java.util.List<Reservation>",
  "documentation": "<p>Zero or more reservations.</p>",
  "simpleType": "List<Reservation>",
  "variableSetterType": "java.util.Collection<Reservation>"
},
"xmlNameSpaceUri": null
},
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt;
when there are no more results to return.&lt;/p&gt;",
  "enumType": null,
  "fluentSetterDocumentation": "/**&lt;p&gt;The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt;
when there are no more results to return.&lt;/p&gt;\n@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",

"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
}

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/"
Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</param><returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"
},
"xmlNameSpaceUri" : null
},
"Reservations" : {
  "c2jName" : "Reservations",
  "c2jShape" : "ReservationList",
  "deprecated" : false,
  "documentation" : "Zero or more reservations.<p></p>
@param reservations Zero or more reservations.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>Zero or more reservations.</p>
@param reservations Zero or more reservations.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservations",
  "getterDocumentation" : "/**<p>Zero or more reservations.</p>
@return Zero or more reservations.*/",
  "getterMethodName" : "getReservations",
  "getterModel" : {
    "returnType" : "java.util.List<Reservation>",
    "documentation" : null
  }
}
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Reservation",
"variableName": "member",
"variableType": "Reservation",
"documentation": "",
"simpleType": "Reservation",
"variableSetterType": "Reservation"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Reservation",
"variableName": "member",
"variableType": "Reservation",
"documentation": "",
"simpleType": "Reservation",
"variableSetterType": "Reservation"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Reservation",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Reservation",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Reservation>",
"templateType": "java.util.List<Reservation>"
},
"map": false,
"mapModel": null,
"name": "Reservations",
"setterDocumentation": "/*\n@param reservations Zero or more reservations.*/\n\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setReservations",
"setterModel": {
"variableDeclarationType": "Reservation",
"variableName": "reservations",
"variableType": "Reservation",
"documentation": "",
"simpleType": "Reservation",
"variableSetterType": "Reservation"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param reservations Zero or more reservations. 
@return Returns a reference to this object so that method calls can be chained together. */",}
**Zero or more reservations.**

*NOTE:* This method appends the values to the existing list (if any). Use [@link setReservations(java.util.Collection)] or [@link withReservations(java.util.Collection)] if you want to override the existing values.

*param reservations Zero or more reservations.*

*return Returns a reference to this object so that method calls can be chained together.*
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeInternetGateways.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "DescribeInternetGateways",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
"c2jName": "InternetGatewayIds",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation": "<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>\n@param internetGatewayIds One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withInternetGatewayIds",
"getterDocumentation": "/**<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>\n@return One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>*/",
"getterMethodName": "getInternetGatewayIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
{"isStreaming":false,
"location":null,
"marshallLocationName":"InternetGatewayId",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"internetGatewayId",
"uri":false
},
"idempotencyToken":false,
"list":true,
"listModel":{
"implType":"com.amazonaws.internal.SdkInternalList",
"interfaceType":"java.util.List",
"listMemberModel":{
"c2jName":"member",
"c2jShape":"String",
"deprecated":false,
"documentation":"
",
"enumType":null,
"fluentSetterDocumentation":"/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withMember",
"getterDocumentation":"/**\n@return */",
"getterMethodName":"getMember",
"getterModel":{
"returnType":"String",
"documentation":null
},
"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"Item",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"item",
"uri":false
},
"idempotencyToken":false,
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "InternetGatewayIds",
"setterDocumentation": "/**\n@<p>One or more Internet gateway IDs.</p><p>Default: Describes all your Internet gateways.</p>\n@<p>InternetGatewayIds One or more Internet gateway IDs.</p><p>Default: Describes all your Internet gateways.*/
\n@param internetGatewayIds One or more Internet gateway IDs.</p><p>Default: Describes all your Internet gateways.*/",
"setterMethodName": "setInternetGatewayIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "internetGatewayIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",}
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setInternetGatewayIds(java.util.Collection) \} or \{ @link #withInternetGatewayIds(java.util.Collection) \} if you want to override the existing values.</p>\n@param internetGatewayIds One or more Internet gateway IDs.</p><p>Default: Describes all your Internet gateways.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "internetGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more Internet gateway IDs.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.\n- The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.\n- The ID of an attached VPC.\n- The ID of the Internet gateway.\n- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.\n- The key of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> and the filter value. For example, if you use both the filter "\$tag-key=Purpose" and the filter "\$tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\n- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.\n"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.\n- The ID of an attached VPC.\n- The ID of the Internet gateway.\n- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.\n- The key of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "\$tag-key=Purpose" and the filter "\$tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\n"return" : "null"};
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter. If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<hl><code>tag</code>:<i>key</i>==<i>value</i></hl> filter.
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
",
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"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The
current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. Present only if a VPC is attached.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li></ul>

```java
setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/** One or more filters. */ <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> <li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. Present only if a VPC is attached.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.```
This method appends the values to the existing list (if any). Use [#link setFilters(java.util.Collection)] or [#link withFilters(java.util.Collection)] if you want to override the existing values. Present only if a VPC is attached.</p></li></ul></div> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [#link setFilters(java.util.Collection)] or [#link withFilters(java.util.Collection)] if you want to override the existing values. Present only if a VPC is attached.</p>

- The current state of the attachment between the gateway and the VPC (available). Present only if a VPC is attached.
- The ID of an attached VPC.
- The ID of the Internet gateway.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-value filter.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> 

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <p> </code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>

"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <p> </code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. Present only if a VPC is attached. <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached. <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached. <code>attachment.vpc-id</code> - The ID of an attached VPC. <code>internet-gateway-id</code> - The ID of the Internet gateway.

```
@return
One or more filters.

<ul>
<li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</p> </li>
<li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li>
<li> <p> <code>internet-gateway-id</code> - The ID of the Internet gateway.</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:key</code>:<i>value</i> filter.</p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li>
</ul>

```

}/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</li>
<li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li>
<li> <code>internet-gateway-id</code> - The ID of the Internet gateway.</li>
<li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value</code> for the filter value.</li>
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. */",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters"}
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "/*\n<p>One or more filters.</p>  
<ul>
  <li> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.</li>  
  <li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li>  
  <li> <code>internet-gateway-id</code> - The ID of the Internet gateway.</li>  
  <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  
</li>  
</ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

@<p>\n@param filters One or more filters.</p>
<code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.  
<code>attachment.vpc-id</code> - The ID of an attached VPC.  
<code>internet-gateway-id</code> - The ID of the Internet gateway.  
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

@return Returns a reference to this object so that method calls can be chained together.*"/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p>  
<code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>available</code>). Present only if a VPC is attached.  
<code>attachment.vpc-id</code> - The ID of an attached VPC.  
<code>internet-gateway-id</code> - The ID of the Internet gateway.  
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  

For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you
get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag</code>::<i>key</i>=<i>value</i> filter.

```
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
}
, "xmlnsSpaceUri" : null
},
"InternetGatewayIds" : {
  "c2jName" : "InternetGatewayIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "One or more Internet gateway IDs." Default: Describes all your Internet gateways.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>@param internetGatewayIds One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInternetGatewayIds",
  "getterDocumentation" : "/*<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p>@return One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p> */",
  "getterMethodName" : "getInternetGatewayIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InternetGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "internetGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
```
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayIds",
"setterDocumentation" : "/**<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{ @link #setInternetGatewayIds(java.util.Collection)} or
{ @link #withInternetGatewayIds(java.util.Collection)} if you want to override the existing values.</p>
@param internetGatewayIds One or more Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "internetGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Internet gateway IDs.</p> <p>Default: Describes all your Internet gateways.</p> <p>Note: This method appends the values to the existing list (if any). Use
{ @link #setInternetGatewayIds(java.util.Collection)} or
{ @link #withInternetGatewayIds(java.util.Collection)} if you want to override the existing values.</p>
@param internetGatewayIds One or more Internet gateway IDs.
@return Returns a reference to this object so that method calls can be chained together.*/"},
"variableName" : "internetGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Internet gateway IDs.</p> Default: Describes all your Internet gateways.<p/>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
],
"required" : null,
"shapeName" : "DescribeInternetGatewaysRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeInternetGatewaysRequest",
"variableName" : "describeInternetGatewaysRequest",
"variableType" : "DescribeInternetGatewaysRequest",
"documentation" : null,
"simpleType" : "DescribeInternetGatewaysRequest",
"variableSetterType" : "DescribeInternetGatewaysRequest"
},
"wrapper" : false
},
"DescribeInternetGatewaysResult" : {
"c2jName" : "DescribeInternetGatewaysResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeInternetGateways.</p>"
,"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
{ "c2jName" : "InternetGateways",
"c2jShape" : "InternetGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about one or more Internet gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more Internet gateways.</p>
@param internetGateways Information about one or more Internet gateways.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInternetGateways",
"getterDocumentation" : "/**<p>Information about one or more Internet gateways.</p>
@return Information about one or more Internet gateways. */",
"getterMethodName" : "getInternetGateways",
"getterModel" : {
 "returnType" : "java.util.List<InternetGateway>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InternetGatewaySet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "internetGatewaySet",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "InternetGateway",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "InternetGateway",
 "documentation" : null
},
 "http" : {
 "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InternetGateway",
  "variableName" : "member",
  "variableType" : "InternetGateway",
  "documentation" : "",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InternetGateway",
  "variableName" : "member",
  "variableType" : "InternetGateway",
  "documentation" : "",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InternetGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
"templateType" : "java.util.List<InternetGateway>",
"map" : false,
"mapModel" : null,
"name" : "InternetGateways",
"setterDocumentation" : "/**
* Information about one or more Internet gateways.
* @param internetGateways Information about one or more Internet gateways.*/",
"setterMethodName" : "setInternetGateways",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
  "variableName" : "internetGateways",
  "variableType" : "java.util.List<InternetGateway>",
  "documentation" : "",
  "simpleType" : "List<InternetGateway>",
  "variableSetterType" : "java.util.Collection<InternetGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* Information about one or more Internet gateways.
* @param internetGateways Information about one or more Internet gateways.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
  "variableName" : "internetGateways",
  "variableType" : "java.util.List<InternetGateway>",
  "documentation" : "<p>Information about one or more Internet gateways.</p>",
  "simpleType" : "List<InternetGateway>",
  "variableSetterType" : "java.util.Collection<InternetGateway>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InternetGateways" : {
    "c2jName" : "InternetGateways",
    "c2jShape" : "InternetGatewayList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more Internet gateways.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
* Information about one or more Internet gateways.
* @param internetGateways Information about one or more Internet gateways.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInternetGateways",
    "getterDocumentation" : "/**
* Information about one or more Internet gateways.
* @return Information about one or more Internet gateways.
* @param internetGateways Information about one or more Internet gateways.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getInternetGateways",
    "setterDocumentation" : "/**
* Information about one or more Internet gateways.
* @param internetGateways Information about one or more Internet gateways.
* @return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setInternetGateways",
    "setterModel" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
      "variableName" : "internetGateways",
      "variableType" : "java.util.List<InternetGateway>",
      "documentation" : "",
      "simpleType" : "List<InternetGateway>",
      "variableSetterType" : "java.util.Collection<InternetGateway>"
  }
}
about one or more Internet gateways.*/",
"getterMethodName" : "getInternetGateways",
"getterModel" : {
"returnType" : "java.util.List<InternetGateway>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InternetGatewaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "internetGatewaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InternetGateway",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InternetGateway",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InternetGateway",
  "variableName" : "member",
  "variableType" : "InternetGateway",
  "documentation" : "",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InternetGateway",
  "variableName" : "member",
  "variableType" : "InternetGateway",
  "documentation" : "",
  "simpleType" : "InternetGateway",
  "variableSetterType" : "InternetGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InternetGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGateway>",
"templateType" : "java.util.List<InternetGateway>"
"wrapper" : false,
},
"DescribeKeyPairsRequest" : {
  "c2jName" : "DescribeKeyPairsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeKeyPairs.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeKeyPairs",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "KeyNames",
    "c2jShape" : "KeyNameStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more key pair names.<br>Default: Describes all your key pairs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**"<p>One or more key pair names.<br>Default: Describes all your key pairs.<br>@param keyNames One or more key pair names.<br>Default: Describes all your key pairs.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyNames",
    "getterDocumentation" : "/**"<p>One or more key pair names.<br>Default: Describes all your key pairs.<br>Default: Describes all your key pairs.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getKeyNames",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
    }
  }]}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "KeyName",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  }
}
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "KeyName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "KeyNames",
"setterDocumentation" : "/**
 One or more key pair names. Default: Describes all your key pairs. */
@param keyNames One or more key pair names. Default: Describes all your key pairs. */",
"setterMethodName" : "setKeyNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "keyNames",
  "variableType" : "java.util.List<String>",
  "variableSetterType" : "java.util.List<String>"
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>\n<i>Note:</i> This method appends the values to the existing list (if any). Use {@link #setKeyNames(java.util.Collection)} or {@link #withKeyNames(java.util.Collection)} if you want to override the existing values.</i>\n@<param name="keyNames">One or more key pair names.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "keyNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more key pair names.
  \n  Default: Describes all your key pairs.
  \n  \n  @param keyNames\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null,
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li><code>fingerprint</code> - The fingerprint of the key pair.</li>
<li><code>key-name</code> - The name of the key pair.</li>
</ul>
\n@<param name="filters">One or more filters.</param>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p> </li> <li> <p> <code>key-name</code> - The name of the key pair.</p> </li>*/",
"setterMethodName": "setFilters",
"setterModel": {
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  "variableName": "filters",
  "variableType": "java.util.List<Filter>"
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>
",
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p>  
   nl li sp code fingerprint</code> - The fingerprint of the key pair.
   nl li sp code key-name</code> - The name of the key pair.
   nl</p>
   nl @param filters One or more filters.
   nl li sp code fingerprint</code> - The fingerprint of the key pair.
   nl li sp code key-name</code> - The name of the key pair.
   nl

   @return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
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  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p>  
   ul li sp code fingerprint</code> - The fingerprint of the key pair.
   ul li sp code key-name</code> - The name of the key pair.
   ul

   @return Returns a reference to this object so that method calls can be chained together.*/",

"getterDocumentation": "/**<p>One or more filters.</p>  
   ul li sp code fingerprint</code> - The fingerprint of the key pair.
   ul li sp code key-name</code> - The name of the key pair.
   ul

   @return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getFilters",
"getterModel": {
  "returnType": "java.util.List<Filter>",
  "documentation": null
},
"http": {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ",",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ",",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.

<p>One or more filters.\n
<ul>
<li><code>fingerprint</code> - The fingerprint of the key pair.</li>
<li><code>key-name</code> - The name of the key pair.</li>
</ul>

@param filters One or more filters.

<ul>
<li><code>fingerprint</code> - The fingerprint of the key pair.</li>
<li><code>key-name</code> - The name of the key pair.</li>
</ul>

*/"
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
  "simple" : false,
  "varargSetterDocumentation" : "*/\<p>One or more filters.</p> \<ul> \<li> \<p> \<code>fingerprint</code> - The fingerprint of the key pair.\</p> \<li> \<p> \<code>key-name</code> - The name of the key pair.\</p> \</ul>\<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \<link \#setFilters(java.util.Collection) or \<link \#withFilters(java.util.Collection) if you want to override the existing values.\</p>\<ul>\<li@param filters One or more filters.\</li>\<p>\<code>fingerprint</code> - The fingerprint of the key pair.\</p>\<li@param keyNames One or more key pair names.\</li>\<p>Default: Describes all your key pairs.\</p>\<p>\<@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.\<ul> \<li> \<p> \<code>fingerprint</code> - The fingerprint of the key pair.\</p> \<li> \<p> \<code>key-name</code> - The name of the key pair.\</li> \</ul>\<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \<link \#setFilters(java.util.Collection) or \<link \#withFilters(java.util.Collection) if you want to override the existing values.\</p>\<ul>\<li@param filters One or more filters.\</li>\<p>\<code>fingerprint</code> - The fingerprint of the key pair.\</p>\<li@param keyNames One or more key pair names.\</li>\<p>Default: Describes all your key pairs.\</p>\<p>\<@return Returns a reference to this object so that method calls can be chained together.*/",
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},
"KeyNames" : {
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  "c2jShape" : "KeyNameStringList",
  "deprecated" : false,
  "documentation" : "One or more key pair names.\<p> Default: Describes all your key pairs.\"",
  "enumType" : null,
  "fluentSetterDocumentation" : "*/\<p>One or more key pair names.\<p> Default: Describes all your key pairs.\<p>\<@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyNames",
  "getterDocumentation" : "*/\<p>One or more key pair names.\<p> Default: Describes all your key pairs.\<p>\<@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getKeyNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "additionalSimpleType" : null,
    "additionalListType" : null,
    "additionalMapType" : null,
    "additionalVectorType" : null,
    "additionalSetType" : null,
    "additionalFluentType" : null,
    "additionalSerializationType" : null
  }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
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            "documentation" : null
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "KeyName",
            "uri" : false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
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"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "KeyName",
"memberType": "String",
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"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "KeyNames",
"setterDocumentation": "/**\nOne or more key pair names. 
Default: Describes all your key pairs. */\n@param keyNames One or more key pair names. 
Default: Describes all your key pairs. */",
"setterMethodName": "setKeyNames",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "keyNames",
  "variableType": "com.amazonaws.internal.SdkInternalList<String>",
  "documentation": "",
  "simpleType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableSetterType": "com.amazonaws.internal.SdkInternalList<String>"
"variableName" : "keyNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more key pair names.</p> <p>Default: Describes all your key
pairs.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setKeyNames(java.util.Collection)} or {@link #withKeyNames(java.util.Collection)} if you want to override the
existing values.</p><p>@param keyNames One or more key pair names.</p><p>Default: Describes all your key
pairs.</p><p>@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "keyNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more key pair names.</p> <p>Default: Describes all your key
pairs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null
},

requestSignerAware" : false,
requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeKeyPairsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeKeyPairsRequest",
  "variableName" : "describeKeyPairsRequest",
  "variableType" : "DescribeKeyPairsRequest",
  "documentation" : null,
  "simpleType" : "DescribeKeyPairsRequest",
  "variableSetterType" : "DescribeKeyPairsRequest",
  "wrapper" : false
},
"DescribeKeyPairsResult" : {
  "c2jName" : "DescribeKeyPairsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeKeyPairs.</p>",

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"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/\*\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "KeyPairInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/\*\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "KeyPairInfo",
  "variableName" : "member",
  "variableType" : "KeyPairInfo",
  "documentation" : "",
  "simpleType" : "KeyPairInfo",
  "variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/\*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "KeyPairInfo",
  "variableName" : "member",
  "variableType" : "KeyPairInfo"}
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "KeyPairInfo",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "KeyPairInfo",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"templateType" : "java.util.List<KeyPairInfo>"
},
"map" : false,
"mapModel" : null,
"name" : "KeyPairs",
"setterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@param keyPairs Information about one or more key pairs.*/",
"setterMethodName" : "setKeyPairs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"variableName" : "keyPairs",
"variableType" : "java.util.List<KeyPairInfo>",
"documentation" : "",
"simpleType" : "List<KeyPairInfo>",
"variableSetterType" : "java.util.Collection<KeyPairInfo>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@param keyPairs Information about one or more key pairs.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"variableName" : "keyPairs",
"variableType" : "java.util.List<KeyPairInfo>",
"documentation" : "<p>Information about one or more key pairs.</p>",
"simpleType" : "List<KeyPairInfo>",
"variableSetterType" : "java.util.Collection<KeyPairInfo>"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
    "KeyPairs" : {
        "c2jName" : "KeyPairs",
        "c2jShape" : "KeyPairList",
        "deprecated" : false,
        "documentation" : "<p>Information about one or more key pairs.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@param keyPairs Information about one or more key pairs.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withKeyPairs",
        "getterDocumentation" : "/**<p>Information about one or more key pairs.</p>
@return Information about one or more key pairs.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getKeyPairs",
        "getterModel" : {
            "returnType" : "java.util.List<KeyPairInfo>",
            "documentation" : null
        }
    }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeySet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keySet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "KeyPairInfo",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member member\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "com.amazonaws.KeyPairInfo",
            "documentation" : null
        }
    }
}
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "KeyPairInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "KeyPairInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "KeyPairInfo",
"variableName" : "member",
"variableType" : "KeyPairInfo",
"documentation" : "",
"simpleType" : "KeyPairInfo",
"variableSetterType" : "KeyPairInfo"}
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : 'KeyPairInfo",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "KeyPairInfo",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"templateType" : "java.util.List<KeyPairInfo>"
},
"map" : false,
"mapModel" : null,
"name" : "KeyPairs",
"setterDocumentation" : "/**<p>Information about one or more key pairs.</p><p＠param keyPairs Information about one or more key pairs.*/

setterMethodIdName" : "setKeyPairs",
"setterModel" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"variableName" : "keyPairs",
"variableType" : "java.util.List<KeyPairInfo>",
"documentation" : "",
"simpleType" : "List<KeyPairInfo>",
"variableSetterType" : "java.util.Collection<KeyPairInfo>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more key pairs.</p><p＠param keyPairs Information about one or more key pairs.＠return Returns a reference to this object so that method calls can be chained together.*/

variable" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<KeyPairInfo>",
"variableName" : "keyPairs",
"variableType" : "java.util.List<KeyPairInfo>",
"documentation" : "/p><p>Information about one or more key pairs.</p>

"simpleType" : "List<KeyPairInfo>",
"variableSetterType" : "java.util.Collection<KeyPairInfo>"
},
"xmlNameSpaceUri" : null
]
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeKeyPairsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeKeyPairsResult",
    "variableName" : "describeKeyPairsResult",
    "variableType" : "DescribeKeyPairsResult",
    "documentation" : null,
    "simpleType" : "DescribeKeyPairsResult",
    "variableSetterType" : "DescribeKeyPairsResult"
},
"wrapper" : false,
"DescribeMovingAddressesRequest" : {
    "c2jName" : "DescribeMovingAddressesRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeMovingAddresses.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DescribeMovingAddresses",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [{
        "c2jName" : "PublicIps",
        "c2jShape" : "ValueStringList",
        "deprecated" : false,
        "documentation" : "<p>One or more Elastic IP addresses.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/** <p>One or more Elastic IP addresses.</p>
@returns Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withPublicIps",
        "variableDeclarationType" : "DescribeKeyPairsResult",
        "variableName" : "publicIps",
        "variableType" : "DescribeKeyPairsResult"
    ]
}
"getterDocumentation" : "/** <p>One or more Elastic IP addresses.</p>\n@return One or more Elastic IP addresses.</tt> ",
"getterMethodName" : "getPublicIps",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicIp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "location" : null,
      "marshallLocationName" : "PublicIp",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "publicIp",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "String",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateListType" : "com.amazonaws.internal.SdkInternalList<String>"}
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>
@param publicIps One or more Elastic IP addresses.*/",
"setterMethodName" : "setPublicIps",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setPublicIps(java.util.Collection)] or [@link #withPublicIps(java.util.Collection)] if you want to override the existing values.</p>
@param publicIps One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "publicIps",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Elastic IP addresses.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results.
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
  @param nextToken The token to use to retrieve the next page of results.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>
  @param nextToken The token to use to retrieve the next page of results.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>\n@param nextToken The token to use to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results.</p>\n@param nextToken The token to use to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList"
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul> 

"emptyType" : null,
"fluentSetterDocumentation" : "/**
One or more filters.<p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>

@returns One or more filters.<p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> */

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/*
One or more filters.<p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>

@return One or more filters.<p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> */

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "@returns member\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "Filter",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Filter",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Filter",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter",
 "documentation" : "",
 "simpleType" : "Filter",
 "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter",
 "documentation" : "",
 "simpleType" : "Filter",
 "variableSetterType" : "Filter"
}.
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>

@param filters One or more filters.
<ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul> */",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>

@param filters One or more filters.
<ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>

@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li> </ul>",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,

"documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. </p> <p>Default: If no value is provided, the default is 1000. </p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. </p> <p>Default: If no value is provided, the default is 1000. </p>

@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. </p> <p>Default: If no value is provided, the default is 1000. </p>

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. </p> <p>Default: If no value is provided, the default is 1000. </p>

@return The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. </p> <p>Default: If no value is provided, the default is 1000. </p>

"getterMethodName" : "getMaxResults",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},

"idempotencyToken" : false,
**MaxResults**

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. 

Default: If no value is provided, the default is 1000.

```java
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. 

Default: If no value is provided, the default is 1000.

@return Returns a reference to this object so that method calls can be chained together.
```
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. – The status of the Elastic IP address (MovingToVpc | RestoringToClassic).", 
"enumType" : null,
"fluentSetterDocumentation" : "One or more filters. – The status of the Elastic IP address (MovingToVpc | RestoringToClassic).

@returns A reference to this object so that method calls can be chained together.*\*/",
"getterDocumentation" : "One or more filters. – The status of the Elastic IP address (MovingToVpc | RestoringToClassic).

@returns One or more filters.

@method withFilters

\/**
\* \param member
\* \returns Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\nreturn */",
"getMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"vargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
"filterName" : "Filters",
"setterDocumentation" : "<p>One or more filters.</p>" ,
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "filters",
"setterDocumentation" : "<p>One or more filters.</p>" ,
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "filters",
"setterDocumentation" : "<p>One or more filters.</p>" ,
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "filters",
"setterDocumentation" : "<p>One or more filters.</p>" ,
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"map" : false,
"xmlNameSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. Default: If no value is provided, the default is 1000.
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. Default: If no value is provided, the default is 1000.

@returns {Number} The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. Default: If no value is provided, the default is 1000.
The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. Default: If no value is provided, the default is 1000.

@<param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned. Default: If no value is provided, the default is 1000.

@return Returns a reference to this object so that method calls can be chained together.*
"c2jName": "NextToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The token to use to retrieve the next page of results.</p><param name="nextToken" The token to use to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The token to use to retrieve the next page of results.</p><param name="nextToken" The token to use to retrieve the next page of results.
@return The token to use to retrieve the next page of results.*/",
"getterMethodName": "getNextToken",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to use to retrieve the next page of results.</p><param name="nextToken" The token to use to retrieve the next page of results.
@return The token to use to retrieve the next page of results.*/",
"setterMethodName": "setNextToken",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The token to use to retrieve the next page of results.<p/>
@param nextToken The token to use to retrieve the next page of results.<p/>
@return Returns a reference to this object so that method calls can be chained together.<p/>
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token to use to retrieve the next page of results.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"PublicIps": {
  "c2jName": "PublicIps",
  "c2jShape": "ValueStringList",
  "deprecated": false,
  "documentation": "<p>One or more Elastic IP addresses.</p>
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more Elastic IP addresses.</p>
  @param publicIps One or more Elastic IP addresses.<p/>
  @return Returns a reference to this object so that method calls can be chained together.<p/>
  */",
  "fluentSetterMethodName": "withPublicIps",
  "getterDocumentation": "/**<p>One or more Elastic IP addresses.</p>
  @return One or more Elastic IP addresses.<p/>
  */",
  "getterMethodName": "getPublicIps",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PublicIp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "publicIp",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "String",
            "variableName" : "member",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        }
    }
}

---

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"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method
calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "PublicIps",
"setterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>
@param publicIps One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setPublicIps",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Elastic IP addresses.</p>
@param publicIps One or more Elastic IP addresses.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"variableName" : "publicIps",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Elastic IP addresses.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeMovingAddressesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeMovingAddressesRequest",
"variableName" : "describeMovingAddressesRequest",
"variableType" : "DescribeMovingAddressesRequest",
"documentation" : null,
"simpleType" : "DescribeMovingAddressesRequest",
"variableSetterType" : "DescribeMovingAddressesRequest"
},
"wrapper" : false
},
"DescribeMovingAddressesResult" : {
"c2jName" : "DescribeMovingAddressesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeMovingAddresses.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "MovingAddressStatuses",
"c2jShape" : "MovingAddressStatusSet",
"deprecated" : false,
"documentation" : "<p>The status for each Elastic IP address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status for each Elastic IP address.</p>\n@param

movingAddressStatuses The status for each Elastic IP address.
@return Returns a reference to this object so that
method calls can be chained together. */

"fluentSetterMethodName" : "withMovingAddressStatuses",
"getterDocumentation" : "/**\n\* The status for each Elastic IP address.\n\*/
@return The status for each Elastic IP address. */

"getterMethodName" : "getMovingAddressStatuses",
"getterModel" : {
"returnType" : "java.util.List<MovingAddressStatus>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MovingAddressStatusSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "movingAddressStatusSet",
"uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "MovingAddressStatus",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\* @param member \n\* @return Returns a reference to this object so that
\nmethod calls can be chained together. */

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n\* @return */

"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "MovingAddressStatus",
"documentation" : null
}
,"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "MovingAddressStatus",
  "variableName" : "member",
  "variableType" : "MovingAddressStatus",
  "documentation" : "",
  "simpleType" : "MovingAddressStatus",
  "variableSetterType" : "MovingAddressStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "MovingAddressStatus",
  "variableName" : "member",
  "variableType" : "MovingAddressStatus",
  "documentation" : "",
  "simpleType" : "MovingAddressStatus",
  "variableSetterType" : "MovingAddressStatus"
},
"userNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "MovingAddressStatus",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "MovingAddressStatus",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
"templateType" : "java.util.List<MovingAddressStatus>
},
"map" : false,
"mapModel" : null,
"name" : "MovingAddressStatuses",
"setterDocumentation" : "/**\pnThe status for each Elastic IP address.\p*\n@param movingAddressStatuses
The status for each Elastic IP address.*/",
"setterMethodName" : "setMovingAddressStatuses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
  "variableName" : "movingAddressStatuses",
  "variableType" : "java.util.List<MovingAddressStatus>",
  "documentation" : "",
  "simpleType" : "List<MovingAddressStatus>",
  "variableSetterType" : "java.util.Collection<MovingAddressStatus>
},
"simple" : false,
"varargSetterDocumentation" : "/**\pnThe status for each Elastic IP address.\p*\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setMovingAddressStatuses(java.util.Collection)} or {@link #withMovingAddressStatuses(java.util.Collection)} if
you want to override the existing values.\p*\n@param movingAddressStatuses
The status for each Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
  "variableName" : "movingAddressStatuses",
  "variableType" : "java.util.List<MovingAddressStatus>",
  "documentation" : "\pnThe status for each Elastic IP address.\p*",
  "simpleType" : "List<MovingAddressStatus>",
  "variableSetterType" : "java.util.Collection<MovingAddressStatus>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\pnThe token to use to retrieve the next page of results. This value is \codelnull\code> when there are no more results to return.\p*",
"enumType" : null,
"fluentSetterDocumentation" : "/**\pnThe token to use to retrieve the next page of results. This value is \codelnull\code> when there are no more results to return.\p*\n@param nextToken
The token to use to retrieve the next page of results. This value is \codelnull\code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "\pnThe token to use to retrieve the next page of results. This value is \codelnull\code> when there are no more results to return.\p*\n@return The token to use to retrieve the next page of results. This value is \codelnull\code> when there are no more results to return.*/"
page of results. This value is `<code>null</code>` when there are no more results to return.

```
** getterMethodName** : "getNextToken",
** getterModel** : {
  ** returnType** : "String",
  ** documentation** : null
},
** http** : {
  ** additionalMarshallingPath** : null,
  ** additionalUnmarshallingPath** : null,
  ** flattened** : false,
  ** greedy** : false,
  ** header** : false,
  ** isPayload** : false,
  ** isStreaming** : false,
  ** location** : null,
  ** marshallLocationName** : "NextToken",
  ** queryString** : false,
  ** statusCode** : false,
  ** unmarshallLocationName** : "nextToken",
  ** uri** : false
},
** idempotencyToken** : false,
** list** : false,
** listModel** : null,
** map** : false,
** mapModel** : null,
** name** : "NextToken",
** setterDocumentation** : "/*<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.*/",
** setterMethodName** : "setNextToken",
** setterModel** : {
  ** variableDeclarationType** : "String",
  ** variableName** : "nextToken",
  ** variableType** : "String",
  ** documentation** : "",
  ** simpleType** : "String",
  ** variableSetterType** : "String"
},
** simple** : true,
** varargSetterDocumentation** : "/*<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
** variable** : {
  ** variableDeclarationType** : "String",
  ** variableName** : "nextToken",
  ** variableType** : "String",
```
"documentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
 "MovingAddressStatuses" : {
  "c2jName" : "MovingAddressStatuses",
  "c2jShape" : "MovingAddressStatusSet",
  "deprecated" : false,
  "documentation" : "The status for each Elastic IP address.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The status for each Elastic IP address.
@returns Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMovingAddressStatuses",
  "getterDocumentation" : "The status for each Elastic IP address. */",
  "getterMethodName" : "getMovingAddressStatuses",
  "getterModel" : {
   "returnType" : "java.util.List<MovingAddressStatus>",
   "documentation" : null
  },
  "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "MovingAddressStatusSet",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "movingAddressStatusSet",
   "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "MovingAddressStatus",
}}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "MovingAddressStatus",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member *
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "MovingAddressStatus",
 "variableName" : "member",
 "variableType" : "MovingAddressStatus",
 "documentation" : "",
 "simpleType" : "MovingAddressStatus",
 "variableSetterType" : "MovingAddressStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "MovingAddressStatus",
}
"variableName" : "member",
"variableType" : "MovingAddressStatus",
"documentation" : "",
"simpleType" : "MovingAddressStatus",
"variableSetterType" : "MovingAddressStatus"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "MovingAddressStatus",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "MovingAddressStatus",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
"templateType" : "java.util.List<MovingAddressStatus>"
},
"map" : false,
"mapModel" : null,
"name" : "MovingAddressStatuses",
"setterDocumentation" : "/**<p>The status for each Elastic IP address.</p>
@param movingAddressStatuses The status for each Elastic IP address.*/",
"setterMethodName" : "setMovingAddressStatuses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
  "variableName" : "movingAddressStatuses",
  "variableType" : "java.util.List<MovingAddressStatus>",
  "documentation" : "",
  "simpleType" : "List<MovingAddressStatus>",
  "variableSetterType" : "java.util.Collection<MovingAddressStatus>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The status for each Elastic IP address.</p>
@param movingAddressStatuses The status for each Elastic IP address.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
  "variableName" : "movingAddressStatuses",
  "variableType" : "java.util.List<MovingAddressStatus>",
  "documentation" : "<p>The status for each Elastic IP address.</p>",
  "simpleType" : "List<MovingAddressStatus>",
  "variableSetterType" : "java.util.Collection<MovingAddressStatus>"
},
"sendEmptyStringAsString" : false,
"sendEmptyVariables" : false,
"sendEmptyWithRequiredElements" : false,
"sendMissingParamterError" : false,
"sendMissingRequiredError" : false,
"sendMissingRequiredInnerParameterError" : false,
"sendMissingTypeAttributeError" : false,
"sendMissingValueError" : false,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<MovingAddressStatus>",
"templateType" : "java.util.List<MovingAddressStatus>"}
"xmlNameSpaceUri": null
},
"NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p/>",
  "enumType": null,
  "fluentSetterDocumentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p/>
Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p/>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*"",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "nextToken",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "NextToken",
  "setterDocumentation": "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<p/>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*"",
  "setterMethodName": "setNextToken",
  "setterModel": {
    }
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.\</p>\n@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeMovingAddressesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeMovingAddressesResult",
  "variableName" : "describeMovingAddressesResult",
  "variableType" : "DescribeMovingAddressesResult",
  "documentation" : null,
  "simpleType" : "DescribeMovingAddressesResult",
  "variableSetterType" : "DescribeMovingAddressesResult"
},
"wrapper" : false
},
"DescribeNatGatewaysRequest" : {
  "c2jName" : "DescribeNatGatewaysRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeNatGateways.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeNatGateways",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "NatGatewayIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "One or more NAT gateway IDs.",
"enumType" : null,
"fluentSetterDocumentation" : "One or more NAT gateway IDs.",
"getterDocumentation" : "One or more NAT gateway IDs.",
"getterMethodName" : "getNatGatewayIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NatGatewayId",
"urlPath" : null,
"urlSegment" : null,
"uriTemplate" : null,
"verb" : "POST"
},
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**
@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String"
    }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "NatGatewayIds",
"setterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
@param natGatewayIds One or more
NAT gateway IDs.</p>*/",
"setterMethodName" : "setNatGatewayIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "natGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more NAT gateway IDs.</p>
>Note: This method
appends the values to the existing list (if any). Use {@link #setNatGatewayIds(java.util.Collection)} or {@link
#withNatGatewayIds(java.util.Collection)} if you want to override the existing values.</p>*/
"param
natGatewayIds One or more NAT gateway IDs.

@returns Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "natGatewayIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more NAT gateway IDs.\n",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "Filter",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.\n<ul>\n  <li>\n    <code>nat-gateway-id</code> - The ID of the NAT gateway.\n  </li>\n  <li>\n    <code>state</code> - The state of the NAT gateway (\n      <code>pending</code> | \n      <code>available</code> | \n      <code>deleted</code>).</li>\n  <li>\n    <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.\n  </li>\n  <li>\n    <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.\n  </li>\n</ul>\nReturns a reference to this object so that method calls can be chained together. */

"fluentSetterDocumentation" : "One or more filters.\n<ul>\n  <li>\n    <code>nat-gateway-id</code> - The ID of the NAT gateway.\n  </li>\n  <li>\n    <code>state</code> - The state of the NAT gateway (\n      <code>pending</code> | \n      <code>available</code> | \n      <code>deleted</code>).</li>\n  <li>\n    <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.\n  </li>\n  <li>\n    <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.\n  </li>\n</ul>\nReturns a reference to this object so that method calls can be chained together. */

"getterDocumentation" : "One or more filters.\n<ul>\n  <li>\n    <code>nat-gateway-id</code> - The ID of the NAT gateway.\n  </li>\n  <li>\n    <code>state</code> - The state of the NAT gateway (\n      <code>pending</code> | \n      <code>available</code> | \n      <code>deleted</code>).</li>\n  <li>\n    <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.\n  </li>\n  <li>\n    <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.\n  </li>\n</ul>\nReturns One or more filters.\n<ul>\n  <li>\n    <code>nat-gateway-id</code> - The ID of the NAT gateway.\n  </li>\n  <li>\n    <code>state</code> - The state of the NAT gateway (\n      <code>pending</code> | \n      <code>available</code> | \n      <code>deleted</code>).</li>\n  <li>\n    <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.\n  </li>\n  <li>\n    <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.\n  </li>\n</ul>*/

"getterMethodName" : "getFilter",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
}
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"MapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
   "variableDeclarationType": "Filter",
   "variableName": "member",
   "variableType": "Filter",
   "documentation": "",
   "simpleType": "Filter",
   "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
   "variableDeclarationType": "Filter",
   "variableName": "member",
   "variableType": "Filter",
   "documentation": "",
   "simpleType": "Filter",
   "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filter",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>nat-gateway-id</code> - The
"nat-gateway-id" : "Filter",
"uri": false
}
ID of the NAT gateway.

- The state of the NAT gateway:
  - Pending
  - Failed
  - Available
  - Deleting
- The ID of the subnet in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.

- The ID of the VPC in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.

One or more filters.

- The ID of the VPC in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.
- The ID of the VPC in which the NAT gateway resides.

- The ID of the VPC in which the NAT gateway resides.

- The ID of the VPC in which the NAT gateway resides.

NOTE: This method appends the values to the existing list (if any). Use the setter methods to override the existing values.

- Returns a reference to this object so that method calls can be chained together.
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusName" : null,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>  
<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/"
set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.*"/
        
        "setterMethodName" : "setMaxResults",
        
        "setterModel" : {
            "variableDeclarationType" : "Integer",
            "variableName" : "maxResults",
            "variableType" : "Integer",
            "documentation" : "",
            "simpleType" : "Integer",
            "variableSetterType" : "Integer"
        },
        
        "simple" : true,
        
        "varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*"/

        "variable" : {
            "variableDeclarationType" : "Integer",
            "variableName" : "maxResults",
            "variableType" : "Integer",
            "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>
            "simpleType" : "Integer",
            "variableSetterType" : "Integer"
        },
        
        "xmlNameSpaceUri" : null
    },

    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The token to retrieve the next page of results.</p> 
    "enumType" : null,

    "fluentSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
    \n@return Returns a reference to this object so that method calls can be chained together.*"/

    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p> 
    \n@return The token to retrieve the next page of results.*"/

    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },

    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
 * The token to retrieve the next page of results.
 * @param nextToken The token to retrieve the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The token to retrieve the next page of results.
 * @param nextToken The token to retrieve the next page of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
  "Filter" : {
    "c2jName" : "Filter",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    ...
"documentation" : "<p>One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> 
<li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> 
</ul> 

"enumType" : null, 
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> 
<li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> 
</ul> 
@param filter One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> 
<li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> 
</ul> 
@return Returns a reference to this object so that method calls can be chained together."*/", 
"fluentSetterMethodName" : "withFilter", 
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li> 
<li> <p> <code>state</code> - The state of the NAT gateway (<code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT gateway resides.</p> </li> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li> 
</ul> 
@return One or more filters.</p> <ul> 
<li> <p> <code>nat-gateway-id</code> - The ID 
 code="nat-gateway-id"</code> - The ID of the NAT gateway.
 <ul> 
<li> <p> <code>state</code> - The state of the NAT gateway 
(code="pending</code> | <code>failed</code> | <code>available</code> | 
<code>deleting</code> | <code>deleted</code>).</p> 
<li> <p> <code>subnet-id</code> - The ID of the subnet in which the NAT 
gateway resides.</p> 
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT 
gateway resides.</p> 
</li> 
</ul> 

"returnMethodName" : "getFilter", 
"returnModel" : {
  "documentation" : "java.util.List<Filter>",
  "name" : "Filter", 
  "returnType" : "java.util.List<Filter>", 
  "type" : "List<Filter>"
}, 
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * \n     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "Filter",
      "variableName": "member",
      "variableType": "Filter"}
**One or more filters.**

- **nat-gateway-id**: The ID of the NAT gateway.
- **state**: The state of the NAT gateway (pending | failed | available | deleting | deleted).
- **subnet-id**: The ID of the subnet in which the NAT gateway resides.
- **vpc-id**: The ID of the VPC in which the NAT gateway resides.

```java
<filter><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member>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<member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><member><mem}
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/*\*\*<p>One or more filters.</p> <ul>
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li>
<li> <p> <code>state</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>subnet-id</code> - The subnet-id in which the NAT gateway resides.</p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
[@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the
existing values.</p>

@\*\*\*<p>\n@\*\*\*\@param filter One or more filters.</p> <ul>
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li>
<li> <p> <code>state</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>subnet-id</code> - The subnet-id in which the NAT gateway resides.</p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
[@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the
existing values.</p>

@\*\*\*<p>\n@\*\*\*\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filter",
"variableType" : "java.util.List<Filter>",
"documentation" : "\p>One or more filters.</p> <ul>
<li> <p> <code>nat-gateway-id</code> - The ID of the NAT gateway.</p> </li>
<li> <p> <code>state</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>pending</code> | <code>failed</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code> - The state of the NAT gateway</p> </li>
<li> <p> <code>subnet-id</code> - The subnet-id in which the NAT gateway resides.</p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC in which the NAT gateway resides.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
[@link #setFilter(java.util.Collection)] or [@link #withFilter(java.util.Collection)] if you want to override the
existing values.</p>

@\*\*\*<p>\n@\*\*\*\@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"MaxResults" : {

"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "\p>The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is
greater than 1000, we return only 1000 items.</p>
"enumType" : null,
"fluentSetterDocumentation" : "\*\*\*\p>The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is
greater than 1000, we return only 1000 items.</p>

@\*\*\*\@param maxResults The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is
greater than 1000, we return only 1000 items.</p>

@\*\*\*\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "\*\*\p>The maximum number of items to return for this request. The request returns
a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value specified is greater than 1000, we return only 1000 items.

```java
@n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

GET MaxResults

param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value specified is greater than 1000, we return only 1000 items.
```
of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value specified is greater than 1000, we return only 1000 items.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
Constraint: If the value specified is greater than 1000, we return only 1000 items.

@return Returns a reference to this object so that method calls can be chained together.
*/

"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NatGatewayIds" : {
  "c2jName" : "NatGatewayIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "One or more NAT gateway IDs.

@param natGatewayIds One or more NAT gateway IDs.

@return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterDocumentation" : "One or more NAT gateway IDs.

@returns One or more NAT gateway IDs.

"getterDocumentation" : "One or more NAT gateway IDs.

@returns One or more NAT gateway IDs.

"getterMethodName" : "getNatGatewayIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NatGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* @param member 
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": "",
    }
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": false,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n* @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
}
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
,"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "NatGatewayIds",
"setterDocumentation": "/**<p>One or more NAT gateway IDs.</p>
@param natGatewayIds One or more NAT gateway IDs.</p>

 The method appends the values to the existing list (if any). Use {@link #setNatGatewayIds(java.util.Collection)} or {@link #withNatGatewayIds(java.util.Collection)} if you want to override the existing values.

 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "natGatewayIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "natGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more NAT gateway IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token to retrieve the next page of results.</p>\n@param nextToken
The token to retrieve the next page of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\n<p>The token to retrieve the next page of results.</p>\n@return The token to retrieve the next page of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token to retrieve the next page of results.</p>\n@param nextToken
The
token to retrieve the next page of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param
nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeNatGatewaysRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeNatGatewaysRequest",
"variableName" : "describeNatGatewaysRequest",
"variableType" : "DescribeNatGatewaysRequest",
"documentation" : null,
"simpleType" : "DescribeNatGatewaysRequest",
"variableSetterType" : "DescribeNatGatewaysRequest"
},
"wrapper" : false
},
"DescribeNatGatewaysResult" : {
"c2jName" : "DescribeNatGatewaysResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}.
"c2jShape" : "NatGateway",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "NatGateway",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NatGateway",
  "variableName" : "member",
  "variableType" : "NatGateway",
  "documentation" : "",
  "simpleType" : "NatGateway",
  "variableSetterType" : "NatGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {

"variableDeclarationType" : "NatGateway",
"variableName" : "member",
"variableType" : "NatGateway",
"documentation" : "",
"simpleType" : "NatGateway",
"variableSetterType" : "NatGateway"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NatGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"templateType" : "java.util.List<NatGateway>
",
"map" : false,
"mapModel" : null,
"name" : "NatGateways",
"setterDocumentation" : "/**<p>Information about the NAT gateways.</p>
@param natGateways Information about the NAT gateways.*/",
"setterMethodName" : "setNatGateways",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
 "variableName" : "natGateways",
 "variableType" : "java.util.List<NatGateway>",
 "documentation" : "",
 "simpleType" : "List<NatGateway>",
 "variableSetterType" : "java.util.Collection<NatGateway>"
 }
,"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the NAT gateways.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNatGateways(java.util.Collection)} or
{@link #withNatGateways(java.util.Collection)} if you want to override the existing values.</p>
@param natGateways Information about the NAT gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
 "variableName" : "natGateways",
 "variableType" : "java.util.List<NatGateway>",
 "documentation" : "Information about the NAT gateways.\n@param natGateways Information about the NAT gateways.\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.",
  "setterMethodName" : "setNextToken",
  "setterModel" : {"..."}
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"NatGateways" : {
"c2jName" : "NatGateways",
"c2jShape" : "NatGatewayList",
"deprecated" : false,
"documentation" : "<p>Information about the NAT gateways.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param natGateways Information about the NAT gateways.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGateways",
"getterDocumentation" : "/**\n@return Information about the NAT gateways.
*/",
"getterMethodName" : "getNatGateways",
"getterModel" : {
"returnType" : "java.util.List<NatGateway>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NatGateway",
  "variableName" : "member",
  "variableType" : "NatGateway",
  "documentation" : "",
  "simpleType" : "NatGateway",
  "variableSetterType" : "NatGateway"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NatGateway",
  "variableName" : "member",
  "variableType" : "NatGateway",
  "documentation" : "",
  "simpleType" : "NatGateway",
  "variableSetterType" : "NatGateway"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NatGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"templateType" : "java.util.List<NatGateway>"
},
"map" : false,
"mapModel" : null,
"name" : "NatGateways",
"setterDocumentation" : "/**\p>Information about the NAT gateways.</p>\n@param natGateways Information about the NAT gateways.*/",
"setterMethodName" : "setNatGateways",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
  "variableName" : "natGateways",
  "variableType" : "java.util.List<NatGateway>",
  "documentation" : "",
  "simpleType" : "List<NatGateway>",
"variableSetterType" : "java.util.Collection<NatGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\<p>Information about the NAT gateways.\</p\>\<b>NOTE:</b> This method appends the values to the existing list (if any). Use {\link #setNatGateways(java.util.Collection) or {\link #withNatGateways(java.util.Collection)} if you want to override the existing values.\</p\>\@param natGateways Information about the NAT gateways.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGateway>",
"variableName" : "natGateways",
"variableType" : "java.util.List<NatGateway>",
"documentation" : "\<p>Information about the NAT gateways.\</p\>",
"simpleType" : "List<NatGateway>",
"variableSetterType" : "java.util.Collection<NatGateway>",
},
"xmlNameSpaceUri" : null,
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\</p\>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\</p\>\@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\</p\>\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"xmlNameSpaceUri" : null
}
The token to use to retrieve the next page of results. This value is null when there are no more results to return.

@returns
Returns a reference to this object so that method calls can be chained together.

The token to use to retrieve the next page of results. This value is null when there are no more results to return.
"variable": {
"variableDeclarationType": "DescribeNatGatewaysResult",
"variableName": "describeNatGatewaysResult",
"variableType": "DescribeNatGatewaysResult",
"documentation": null,
"simpleType": "DescribeNatGatewaysResult",
"variableSetterType": "DescribeNatGatewaysResult"
},
"wrapper": false
},
"DescribeNetworkAclsRequest": {
"c2jName": "DescribeNetworkAclsRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeNetworkAcls.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "DescribeNetworkAcls",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
{"c2jName": "NetworkAclIds",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation": "<p>One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.</p> "<p>Default: Describes all your network ACLs.<p>
"returns": null,
"fluentSetterDocumentation": "/**<p>One or more network ACL IDs.</p> <p>Default: Describes all your
network ACLs.<p>

"fluentSetterMethodName": "withNetworkAclIds",
"getterDocumentation": "/**<p>One or more network ACL IDs.</p> <p>Default: Describes all your network
ACLs.<p>

"getterMethodName": "getNetworkAclIds";"}
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkAclId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NetworkAclId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
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"mapModel" : null,
"name" : "NetworkAclIds",
"setterDocumentation" : "/**<p>One or more network ACL IDs.<p/> <p>Default: Describes all your network ACLs.</p/>
@param networkAclIds One or more network ACL IDs.<p/> <p>Default: Describes all your network ACLs.</p/>
 */",
"setterMethodName" : "setNetworkAclIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkAclIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "networkAclIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more network ACL IDs.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters.""</ul>
  <li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li>
  <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li>
  <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li>
  <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li>
  <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li>
  <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li>
  <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li>
  <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li>
  <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li>
  <li> <p> <code>entry.ports-range.from</code> - The start of the port range specified in the entry.</p> </li>
  <li> <p> <code>entry.ports-range.to</code> - The end of the port range specified in the entry.</p> </li>
  <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (code>tcp</code> | code>udp</code> | code>icmp</code> or a protocol number).</p> </li>
  <li> <p> <code>entry.rule-action</code> - Allows or denies
the matching traffic (<code>allow</code> | <code>deny</code>). | <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries. | <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any. | <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any. | <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry. | <code>entry.port-range.from</code> - The start of the port range specified in the entry. | <code>entry.port-range.to</code> - The end of the port range specified in the entry. | <code>entry.protocol</code> - The protocol specified in the entry (IPv4 or IPv6). | <code>entry.egress</code> - Indicates whether the entry applies to egress traffic. | <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>). | <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries. | <code>network-acl-id</code> - The ID of the network ACL. | <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. | <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). | <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. | <code>vpc-id</code> - The ID of the VPC for the network ACL. | <ul>
<li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (IPv4 or IPv6). | <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>). | <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries. | <code>network-acl-id</code> - The ID of the network ACL. | <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. | <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). | <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. | <code>vpc-id</code> - The ID of the VPC for the network ACL. | <ul>
<code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.

- The start of the port range specified in the entry.  
  <p>  
  <li> <p> <code>entry.port-range.from</code> - The end of the port range specified in the entry.  
  </li>  
  </p>

- The protocol specified in the entry (\<code>tcp</code> | \<code>udp</code> | \<code>icmp</code> or a protocol number).  
  </li>  
  <p>  
  <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (\<code>allow</code> | \<code>deny</code>).  
  </li>  
  </p>

- The number of an entry (in other words, rule) in the ACL’s set of entries.

- The ID of the network ACL.

- The key/value combination of a tag assigned to the resource.  
  Specify the key of the tag in the filter name and the value of the tag in the filter value.  
  For example, for the tag Purpose=X, specify \<code>tag:Purpose</code> for the filter name and \<code>X</code> for the filter value.

- The start of the port range specified in the entry.  

- The end of the port range specified in the entry.  

- The protocol specified in the entry (\<code>tcp</code> | \<code>udp</code> | \<code>icmp</code> or a protocol number).  

- Allows or denies the matching traffic (\<code>allow</code> | \<code>deny</code>).  

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  For example, for the tag Purpose=X, specify \<code>tag:Purpose</code> for the filter name and \<code>X</code> for the filter value.

- The start of the port range specified in the entry.  

- The end of the port range specified in the entry.  

- The protocol specified in the entry (\<code>tcp</code> | \<code>udp</code> | \<code>icmp</code> or a protocol number).  

- Allows or denies the matching traffic (\<code>allow</code> | \<code>deny</code>).  

- The number of an entry (in other words, rule) in the ACL’s set of entries.

- The ID of the network ACL.
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Filter",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "simple" : false,
}
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/*\nOne or more filters.*/\n<ul>\n<li>\n<code>association.association-id</code> - The ID of an association ID for the ACL.\n</li>\n<li>\n<code>association.network-acl-id</code> - The ID of the network ACL involved in the association.\n</li>\n<li>\n<code>association.subnet-id</code> - The ID of the subnet involved in the association.\n</li>\n<li>\n<code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.\n</li>\n<li>\n<code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.\n</li>\n<li>\n<code>entry.egress</code> - Indicates whether the entry applies to egress traffic.\n</li>\n<li>\n<code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.\n</li>\n<li>\n<code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.\n</li>\n<li>\n<code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.\n</li>\n<li>\n<code>entry.port-range.from</code> - The start of the port range specified in the entry.\n</li>\n<li>\n<code>entry.port-range.to</code> - The end of the port range specified in the entry.\n</li>\n<li>\n<code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).\n</li>\n<li>\n<code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).\n</li>\n<li>\n<code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.\n</li>\n<li>\n<code>network-acl-id</code> - The ID of the network ACL.\n</li>\n<li>\n<code>tag.key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value.\n</li>\n<li>\n<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you

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get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:::<i>key</i>=<i>value</i> filter. If you want to list only resources where the tag key is X (regardless of what the tag's value is), use the
<code>tag</code>::<i>value</i> filter. For example, to list tags where the value is "X" and the key is "Purpose", use
<code>tag</code>::<i>key</i>=<i>value</i> filter. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where the tag key is "Purpose" (regardless of what the tag's value is), use
<code>tag-key</code>::<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter.

### Filters

**<code>tag-key</code>:<i>value</i>** - The ID of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. If you want to list only resources where the tag key is "Purpose" (regardless of what the tag's value is), use
<code>tag-key</code>::<i>value</i> filter. This filter is independent of the <code>tag-value</code> filter.

**<code>tag-value</code>** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
- The ICMP type specified in the entry, if any.</p> <li> <p> The IPv6 CIDR range specified in the entry.</p> <li> <p> The start of the port range specified in the entry.</p> <li> <p> The end of the port range specified in the entry.</p> <li> <p> The protocol specified in the entry (tcp | udp | icmp or a protocol number).</p> <li> <p> Allows or denies the matching traffic (allow | deny).</p> <li> <p> The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> The ID of the network ACL.</p> <li> <p> The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.</p> <li> <p> The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=VPC\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value VPC (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> <li> <p> The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.</p> <li> <p> The ID of the VPC for the network ACL.</p> <li> <p> Indicates whether the ACL is the default network ACL for the VPC.</p> <li> <p> The IPv4 CIDR range specified in the entry.</p> <li> <p> Indicates whether the entry applies to egress traffic.</p> <li> <p> The ICMP type specified in the entry, if any.</p> <li> <p> The ICMP type specified in the entry, if any.</p> <li> <p> The IPv6 CIDR range specified in the entry.</p> <li> <p> The start of the port range specified in the entry.</p> <li> <p> The end of the port range specified in the entry.</p> <li> <p> The protocol specified in the entry (tcp | udp | icmp or a protocol number).</p> <li> <p> Allows or denies the matching traffic (allow | deny).</p> <li> <p> The number of an entry (in other words, rule) in the ACL's set of entries.</p> <li> <p> The ID of the network ACL.</p> <li> <p> The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.</p> <li> <p> The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=VPC\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value VPC (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
"variable": {  
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",  
  "variableName": "filters",  
  "variableType": "java.util.List<Filter>",  
  "documentation": "<p>One or more filters.</p> <ul> 
  <li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> </li> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p> <code>tag:Key</code>:<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Key=Purpose</code> for the filter name and <code>Value=Example</code> for the filter value.</p> </li> <li> <p> <code>tag:Value</code> - The value of a tag assigned to the resource.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> </ul>"}  
},  
"xmlNameSpaceUri": null,  
"membersAsMap": {  
  "Filters": {  
    "c2jName": "Filters",  
    "c2jShape": "FilterList",  
    "deprecated": false,  
    "documentation": "<p>One or more filters.</p> <ul> 
  <li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p> <code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</p> </li> <li> <p> <code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p> <code>tag:Key</code>:<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Key=Purpose</code> for the filter name and <code>Value=Example</code> for the filter value.</p> </li> <li> <p> <code>tag:Value</code> - The value of a tag assigned to the resource.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> </ul>"}  
},  
"xmlNameSpaceUri": null}
<code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry. 

- The start of the port range specified in the entry. 

- The end of the port range specified in the entry. 

- The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number). 

- Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>). 

- The number of an entry (in other words, rule) in the ACL's set of entries. 

- The ID of the network ACL. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the 

- The IPv4 CIDR range specified in the entry. 

- Indicates whether the entry applies to egress traffic. 

- The ICMP code specified in the entry, if any. 

- The ICMP type specified in the entry, if any. 

- The IPv6 CIDR range specified in the entry. 

- The start of the port range specified in the entry. 

- The end of the port range specified in the entry. 

- The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number). 

- The number of an entry (in other words, rule) in the ACL's set of entries. 

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- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

- The ID of the VPC for the network ACL.
association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p> <code>association.network-acl-id</code> - The ID of the associated network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>protocol</code> - The protocol specified in the entry (TCP | UDP | ICMP or a protocol number).</p> </li> <li> <p> <code>rule-action</code> - Allows or denies the matching traffic (allow | deny).</p> </li> <li> <p> <code>rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> <li> <p> <code>tag:Key</code>=<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code>=<i>Value</i> for the filter name and <code>Purpose</code>=<i>Value</i> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value= Purpose", you get any resources assigned both the tag Purpose (regardless of what the tag's value is), and the tag value Purpose (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key</code>=<i>Value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag:Key</code>=<i>Value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> <li> <p> <code> associations.id</code> - The ID of the association ID for the ACL.</p> </li> <li> <p> <code> network-acl-id</code> - The ID of the network ACL.</p> </li> <li> <p> <code> default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code> entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code> entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code> entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code> entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code> entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code> entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code> entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code> protocol</code> - The protocol specified in the entry (TCP | UDP | ICMP or a protocol number).</p> </li> <li> <p> <code> rule-action</code> - Allows or denies the matching traffic (allow | deny).</p> </li> <li> <p> <code> rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</p> </li> 
@return Returns a reference to this object so that method calls can be chained together. */

/**
 * One or more filters.
 */
<ul>
<li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.  

</li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.  

</li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.  

</li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.  

</li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.  

</li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.  

</li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.  

</li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.  

</li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.  

</li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.  

</li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.  

</li> <li> <p> <code>protocol</code> - The protocol specified in the entry (TCP | UDP | ICMP or a protocol number).  

</li> <li> <p> <code>rule-action</code> - Allows or denies the matching traffic (allow | deny).  

</li> <li> <p> <code>rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.  

</li> 

</ul>
<code>tag</code>:<i>key</i>=<i>value</i> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<i>vpc-id</i> - The ID of the VPC for the network ACL.

<i>association.association-id</i> - The ID of an association ID for the ACL.

<i>association.network-acl-id</i> - The ID of the network ACL involved in the association.

<i>association.subnet-id</i> - The ID of the subnet involved in the association.

<i>default</i> - Indicates whether the ACL is the default network ACL for the VPC.

<i>entry.cidr</i> - The IPv4 CIDR range specified in the entry.

<i>entry.egress</i> - Indicates whether the entry applies to egress traffic.

<i>entry.icmp</i> - The ICMP code specified in the entry, if any.

<i>entry.icmp.type</i> - The ICMP type specified in the entry, if any.

<i>entry.ipv6-cidr</i> - The IPv6 CIDR range specified in the entry.

<i>entry.port-range.from</i> - The start of the port range specified in the entry.

<i>entry.port-range.to</i> - The end of the port range specified in the entry.

<i>entry.protocol</i> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).

<i>entry.rule-action</i> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).

<i>entry.rule-number</i> - The number of an entry (in other words, rule) in the ACL's set of entries.

<i>network-acl-id</i> - The ID of the network ACL.

<i>tag</i>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Z, specify <code>tag:Purpose</code> for the filter name and <code>Z</code> for the filter value.

<i>tag-key</i> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=Z\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Z (regardless of what the tag's key is). If you want to list only resources where Purpose is Z, see the <code>tag:tag=value</code> filter.

<i>tag-value</i> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<i>vpc-id</i> - The ID of the VPC for the network ACL.
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.</ul>
<li><p><code>association.association-id</code> - The ID of an association ID for the ACL.</p></li>
<li><p><code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p></li>
<li><p><code>association.subnet-id</code> - The ID of the subnet involved in the association.</p></li>
<li><p><code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p></li>
<li><p><code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p></li>
<li><p><code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p></li>
<li><p><code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p></li>
<li><p><code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p></li>
<li><p><code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p></li>
<li><p><code>entry.port-range.from</code> - The start of the port range specified in the entry.</p></li>
<li><p><code>entry.port-range.to</code> - The end of the port range specified in the entry.</p></li>
<li><p><code>entry.protocol</code> - The protocol specified in the entry (<code/tcp</code> | <code/udp</code> | <code/icmp</code> or a protocol number).</p></li>
<li><p><code>entry.rule-action</code> - Allows or denies the matching traffic (<code/allow</code> | <code/deny</code>).</p></li>
<li><p><code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL’s set of entries.</p></li>
<li><p><code>network-acl-id</code> - The ID of the network ACL.</p></li>
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose=X</code> for the filter value.

The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter \"tag-key=Purpose\" and the filter \"tag-value=X\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The ID of the association for the ACL. If you want to list only resources where Association is Z, see the filter \"association-association-id\".

The ID of the subnet involved in the association. If you want to list only resources where Subnet is W, see the filter \"association-subnet-id\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The IPv4 CIDR range specified in the entry. If you want to list only resources where CIDR is Q, see the filter \"entry.cidr\".

Indicates whether the entry applies to egress traffic. If you want to list only resources where Egress is Yes, see the filter \"entry.egress\".

The ICMP code specified in the entry, if any. If you want to list only resources where ICMP code is 4, see the filter \"entry.icmp.code\".

The ICMP type specified in the entry, if any. If you want to list only resources where ICMP type is 5, see the filter \"entry.icmp.type\".

The IPv6 CIDR range specified in the entry. If you want to list only resources where CIDR is Q, see the filter \"entry.ipv6-cidr\".

The start of the port range specified in the entry. If you want to list only resources where Port range start is N, see the filter \"entry.port-range.from\".

The end of the port range specified in the entry. If you want to list only resources where Port range end is M, see the filter \"entry.port-range.to\".

The protocol specified in the entry (TCP | UDP | ICMP or a protocol number). If you want to list only resources where Protocol is 6, see the filter \"entry.protocol\".

Allows or denies the matching traffic (ALLOW | DENY). If you want to list only resources where Rule action is Allow, see the filter \"entry.rule-action\".

The number of an entry (in other words, rule) in the ACL's set of entries. If you want to list only resources where Rule number is 0, see the filter \"entry.rule-number\".

The ID of the network ACL. If you want to list only resources where Network ACL is Z, see the filter \"network-acl-id\".

The IP address of the VPC's private DNS domain. If you want to list only resources where DNS Domain is Y, see the filter \"vpc-private-dns-domain\".

\"setterMethodName\" : "setFilters",
\"setterModel" : {
  \"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>\",
  \"variableName" : "filters",
  \"variableType" : "java.util.List<Filter>\",
  \"documentation" : "",
  \"simpleType" : false,
  \"variableSetterType" : "java.util.Collection<Filter>\"
},
\"simple" : false,
\"varargSetterDocumentation" : "*/\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The ID of the association for the ACL. If you want to list only resources where Association is Z, see the filter \"association-association-id\".

The ID of an association ID for the ACL. If you want to list only resources where Association ID is A, see the filter \"association-id\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The ID of the network ACL. If you want to list only resources where Network ACL is Z, see the filter \"network-acl-id\".

The IP address of the VPC's private DNS domain. If you want to list only resources where DNS Domain is Y, see the filter \"vpc-private-dns-domain\".

The ID of the association for the ACL. If you want to list only resources where Association is Z, see the filter \"association-association-id\".

The ID of an association ID for the ACL. If you want to list only resources where Association ID is A, see the filter \"association-id\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The ID of the association for the ACL. If you want to list only resources where Association is Z, see the filter \"association-association-id\".

The ID of an association ID for the ACL. If you want to list only resources where Association ID is A, see the filter \"association-id\".

The ID of the VPC for the network ACL. If you want to list only resources where VPC is Y, see the filter \"vpc-id\".

The ID of the association for the ACL. If you want to list only resources where Association is Z, see the filter \"association-association-id\".

The ID of an association ID for the ACL. If you want to list only resources where Association ID is A, see the filter \"association-id\".
- The ID of the network ACL involved in the association.</p> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Purpose</code> for the filter name and <code>Example</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Example", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Purpose is Example, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, to list only resources where the tag key is Purpose and the tag value is Example, use <code>tag:Purpose=Example</code>.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Example", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Purpose is Example, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, to list only resources where the tag key is Purpose and the tag value is Example, use <code>tag:Purpose=Example</code>.</p> </li> <li> <p> <code>association.association-id</code> - The ID of an association ID for the ACL.</p> </li> <li> <p> <code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</p> </li> <li> <p> <code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</p> </li> <li> <p> <code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</p> </li> <li> <p> <code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</p> </li> <li> <p> <code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.from</code> - The start of the port range specified in the entry.</p> </li> <li> <p> <code>entry.port-range.to</code> - The end of the port range specified in the entry.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Purpose</code> for the filter name and <code>Example</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Example", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Purpose is Example, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, to list only resources where the tag key is Purpose and the tag value is Example, use <code>tag:Purpose=Example</code>.</p> </li>
(regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

```xml
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network ACL.</p> </li>
</ul>

```

@return Returns a reference to this
object so that method calls can be chained together.*

```
network ACLs.

@param networkAclIds One or more network ACL IDs. Default: Describes all your network ACLs.

@return Returns a reference to this object so that method calls can be chained together.*/*

"fluentSetterMethodName" : "withNetworkAclIds",
"getterDocumentation" : "*/**

One or more network ACL IDs. Default: Describes all your network ACLs.*/*

"getterMethodName" : "getNetworkAclIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**

param member 

return Returns a reference to this object so that method calls can be chained together.*/*

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**

@return Returns a reference to this object so that method calls can be chained together.*/*

"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"marshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"name": "NetworkAclIds",
"setterDocumentation": "<p>One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>@param networkAclIds One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>*/
"setterMethodName": "setNetworkAclIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "networkAclIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "<p>One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNetworkAclIds(java.util.Collection)} or {@link #withNetworkAclIds(java.util.Collection)} if you want to override the existing values.</p>@param networkAclIds One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>\n@return Returns a reference to this object so that method calls can be chained together./"",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "networkAclIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more network ACL IDs.</p> <p>Default: Describes all your network ACLs.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeNetworkAclsRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeNetworkAclsRequest",
  "variableName": "describeNetworkAclsRequest",
  "variableType": "DescribeNetworkAclsRequest"}
"documentation" : null,
"simpleType" : "DescribeNetworkAclsRequest",
"variableSetterType" : "DescribeNetworkAclsRequest"
},
"wrapper" : false
},
"DescribeNetworkAclsResult" : {
"c2jName" : "DescribeNetworkAclsResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeNetworkAcls.</p> ",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
 "c2jName" : "NetworkAcls",
 "c2jShape" : "NetworkAclList",
 "deprecated" : false,
 "documentation" : "<p>Information about one or more network ACLs.</p> ",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Information about one or more network ACLs.</p>
 @param networkAcls Information about one or more network ACLs.
@return Returns a reference to this object so that method calls can be chained together.*/", 
 "fluentSetterMethodName" : "withNetworkAcls",
 "getterDocumentation" : "/**<p>Information about one or more network ACLs.</p>
 @return Information about one or more network ACLs.*/", 
 "getterMethodName" : "getNetworkAcls",
 "getterModel" : {
 "returnType" : "java.util.List<NetworkAcl>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"location": null,
"marshallLocationName": "NetworkAclSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkAclSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "NetworkAcl",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "NetworkAcl",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member"
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkAcl",
  "variableName" : "member",
  "variableType" : "NetworkAcl",
  "documentation" : "",
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "NetworkAcl",
  "variableName" : "member",
  "variableType" : "NetworkAcl",
  "documentation" : "",
  "simpleType" : "NetworkAcl",
  "variableSetterType" : "NetworkAcl"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkAcl",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAcl",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
"templateType" : "java.util.List<NetworkAcl>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkAcls",
"setterDocumentation" : "/**\nInformation about one or more network ACLs.\n*/\n\n@param networkAcls Information about one or more network ACLs.*/",
"setterMethodName" : "setNetworkAcls",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName" : "networkAcls",
  "variableType" : "java.util.List<NetworkAcl>",
  "documentation" : "",
  "simpleType" : "List<NetworkAcl>",
  "variableSetterType" : "java.util.Collection<NetworkAcl>""}
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
  "variableName": "networkAcls",
  "variableType": "java.util.List<NetworkAcl>",
  "documentation": "Information about one or more network ACLs."
},
"variableSetterType": "java.util.Collection<NetworkAcl>",
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "NetworkAcls": {
    "c2jName": "NetworkAcls",
    "c2jShape": "NetworkAclList",
    "deprecated": false,
    "documentation": "Information about one or more network ACLs.",
    "enumType": null,
    "fluentSetterDocumentation": "Information about one or more network ACLs.
    @param networkAcls Information about one or more network ACLs.\n    @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "withNetworkAcls",
    "getterDocumentation": "Information about one or more network ACLs.\n    @return Information about one or more network ACLs.",
    "getterMethodName": "getNetworkAcls",
    "getterModel": {
      "returnType": "java.util.List<NetworkAcl>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "NetworkAclSet",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "networkAclSet",
    }
  },
  "simple": false,
  "varargSetterDocumentation": "Information about one or more network ACLs.\n  NOTE: This method appends the values to the existing list (if any). Use \n  @link #setNetworkAcls(java.util.Collection) or \n  @link #withNetworkAcls(java.util.Collection) if you want to override\n  the existing values.\n  @param networkAcls Information about one or more network ACLs.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
    "variableName": "networkAcls",
    "variableType": "java.util.List<NetworkAcl>",
    "documentation": "Information about one or more network ACLs.",
    "simpleType": "List<NetworkAcl>",
    "variableSetterType": "java.util.Collection<NetworkAcl>"
  },
  "xmlNameSpaceUri": null
}
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NetworkAcl",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "NetworkAcl",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "NetworkAcl",
"variableName" : "member",
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"documentation": "",
"simpleType": "NetworkAcl",
"variableSetterType": "NetworkAcl"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "NetworkAcl",
"variableName": "member",
"variableType": "NetworkAcl",
"documentation": "",
"simpleType": "NetworkAcl",
"variableSetterType": "NetworkAcl"
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"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "NetworkAcl",
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NetworkAcl",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
"templateType": "java.util.List<NetworkAcl>"
},
"map": false,
"mapModel": null,
"name": "NetworkAcls",
"setterDocumentation": "/**
\param networkAcls
\b Information about one or more network ACLs.
\p*/",
"setterMethodName": "setNetworkAcls",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkAcl>\",
"variableName": "networkAcls",
"variableType": "java.util.List<NetworkAcl>\",
"documentation": "",
"simpleType": "List<NetworkAcl>\",
"variableSetterType": "java.util.Collection<NetworkAcl>\"
},
"simple": false,
"varargSetterDocumentation": "/**\p>Information about one or more network
ACLs.\p*/\n\b NOTE:\b This method appends the values to the existing list (if any). Use {\ link
#setNetworkAcls(java.util.Collection)} or {\ link
#withNetworkAcls(java.util.Collection)} if you want to override
the existing values.<p>
@returns

Information about one or more network ACLs.

returns

A reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAcl>",
    "variableName" : "networkAcls",
    "variableType" : "java.util.List<NetworkAcl>",
    "documentation" : "<p>Information about one or more network ACLs.</p>",
    "simpleType" : "List<NetworkAcl>",
    "variableSetterType" : "java.util.Collection<NetworkAcl>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeNetworkAclsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeNetworkAclsResult",
    "variableName" : "describeNetworkAclsResult",
    "variableType" : "DescribeNetworkAclsResult",
    "documentation" : null,
    "simpleType" : "DescribeNetworkAclsResult",
    "variableSetterType" : "DescribeNetworkAclsResult"
},
"wrapper" : false,
"DescribeNetworkInterfaceAttributeRequest" : {
    "c2jName" : "DescribeNetworkInterfaceAttributeRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaceAttribute.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {

"action" : "DescribeNetworkInterfaceAttribute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n@returns The ID of the network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>\n@returns The ID of the network interface.*/",
  "setterMethodName" : "setNetworkInterfaceId",
}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Attribute",
  "c2jShape" : "NetworkInterfaceAttribute",
  "deprecated" : false,
  "documentation" : "<p>The attribute of the network interface.</p>
  "enumType" : "NetworkInterfaceAttribute",
  "fluentSetterDocumentation" : "/*<p>The attribute of the network interface.</p>
  @param attribute The attribute of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.
  @see NetworkInterfaceAttribute*/",
  "fluentSetterMethodName" : "withAttribute",
  "getterDocumentation" : "/*<p>The attribute of the network interface.</p>
  @return The attribute of the network interface.
  @see NetworkInterfaceAttribute*/",
  "getterMethodName" : "getAttribute",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Attribute"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n<p>The attribute of the network interface.</p>\n@param attribute The attribute of the network interface.\n@see NetworkInterfaceAttribute*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The attribute of the network interface.</p>\n@param attribute The attribute of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.\n@see NetworkInterfaceAttribute*/",
"variable" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "\n<p>The attribute of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Attribute" : {
    "c2jName" : "Attribute",
    "c2jShape" : "NetworkInterfaceAttribute",
    "deprecated" : false,
    "documentation" : "\n<p>The attribute of the network interface.</p>",
    "enumType" : "NetworkInterfaceAttribute",
    "fluentSetterDocumentation" : "/**\n<p>The attribute of the network interface.</p>\n@param attribute The attribute of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.\n@see NetworkInterfaceAttribute*/",
    "fluentSetterMethodName" : "withAttribute",
    "getterDocumentation" : "/**\n<p>The attribute of the network interface.</p>\n@return The attribute of the network interface.\n@see NetworkInterfaceAttribute*/"}}
network interface.
@see NetworkInterfaceAttribute*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attribute",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "The attribute of the network interface."@param attribute The attribute of the network interface.
@see NetworkInterfaceAttribute*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The attribute of the network interface."@param attribute The attribute of the network interface.
@see NetworkInterfaceAttribute*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",  
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The attribute of the network interface."@param attribute The attribute of the network interface.
@see NetworkInterfaceAttribute*/"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p The ID of the network interface.\p\n\n@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/**\p The ID of the network interface.\p\n\n@returns The ID of the network interface. */",
"getterDocumentation" : "/**\p The ID of the network interface.\p\n\n@returns The ID of the network interface. */",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\p The ID of the network interface.\p\n\n@returns The ID of the network interface. */",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
}
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>*/
  @param networkInterfaceId The ID of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>*/
  @param networkInterfaceId The ID of the network interface.
  @return The ID of the network interface.*/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>*/
  @param networkInterfaceId The ID of the network interface.
  @return The ID of the network interface.*/",
  "setterMethodName" : "setNetworkInterfaceId",
  "setterModel" : { 
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    "variableName" : "networkInterfaceId",
  }
}];
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"vargSetterDocumentation" : "/**\n* The ID of the network interface.
* @param networkInterfaceId
* The ID of the network interface.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description of the network interface.</p>
  "enumType" : null,
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  @param description
  The description of the network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description of the network interface.</p>
  @return The description of the network interface.*/",
"getterMethodName" : "getDescription",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",}
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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"variableType" : "String",
"documentation" : "<p>The description of the network interface.</p>",
"simple" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether source/destination checking is enabled.</p>",
"simple" : "String",
"variableSetterType" : "String"
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"fluentSetterDocumentation" : "/**\nIndicates whether source/destination checking is enabled.\n@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**\nIndicates whether source/destination checking is enabled.\n@return Indicates whether source/destination checking is enabled. */",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
}
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>The security groups associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@return The security groups associated with the network interface.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
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 "documentation" : null
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "groupSet",
 "uri" : false
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 "interfaceType" : "java.util.List",
 "listMemberModel" : {
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 "c2jShape" : "GroupIdentifier",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "GroupIdentifier",
}
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
}
,
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.*/",
"setterMethodName" : "setGroups",
"setterModel" : {

  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>The security groups associated with the network interface.</p>",
  "simpleType" : "List<GroupIdentifier>",
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"xmlNameSpaceUri" : null
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"c2jShape" : "NetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The attachment (if any) of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
@param attachment The attachment (if any) of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterMethodName": "getAttachment",
"getterModel": {
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"documentation": null
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"variableType": "NetworkInterfaceAttachment",
"documentation": "",
"simpleType": "NetworkInterfaceAttachment",
"variableSetterType": "NetworkInterfaceAttachment"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The attachment (if any) of the network interface.</p>",
"simpleType" : "NetworkInterfaceAttachment",
"variableSetterType" : "NetworkInterfaceAttachment"
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"c2jShape" : "NetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The attachment (if any) of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>@param attachment The attachment (if any) of the network interface.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>@return The attachment (if any) of the network interface.*/",
"getterMethodName" : "getAttachment",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
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"mapModel" : null,
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"setterMethodName" : "setAttachment"
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  "variableName" : "attachment",
  "variableType" : "NetworkInterfaceAttachment",
  "documentation" : "",
  "simpleType" : "NetworkInterfaceAttachment",
  "variableSetterType" : "NetworkInterfaceAttachment"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The attachment (if any) of the network interface.</p>
@param attachment The attachment (if any) of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "NetworkInterfaceAttachment",
  "documentation" : "p>The description of the network interface.</p>
@return The description of the network interface.
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  "isPayload" : false,
  "isStreaming" : false,
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"statusCode": false,
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"uri": false
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"list": false,
"listModel": null,
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"mapModel": null,
"name": "Description",
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@param description The description of the network interface.*/",
"setterMethodName": "setDescription",
"setterModel": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The description of the network interface.</p>
@param description The description of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The description of the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"Groups": {
  "c2jName": "Groups",
  "c2jShape": "GroupIdentifierList",
  "deprecated": false,
  "documentation": "<p>The security groups associated with the network interface.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The security groups associated with the network interface.</p>
@param groups The security groups associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withGroups",
  "getterDocumentation": "/**<p>The security groups associated with the network interface.</p>
@return The security groups associated with the network interface.*/"}
security groups associated with the network interface.*"/>
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupId>",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "GroupId",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupSet",
      "uri" : false
    }
  }
}
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The security groups associated with the network interface.</p>*/
@param groups The security groups associated with the network interface.*"",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The security groups associated with the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link withGroups(java.util.Collection)} if you want to override the existing values.<p>\n@param groups The security groups associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "The security groups associated with the network interface.<p>\n<param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*"",
  "xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the network interface.<p>\n<param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*"",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>*/
@param networkInterfaceId The ID of the network interface.\n@return The ID of the network interface interface.\n@return The ID of the network interface.*"",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>*/
@param NetworkInterfaceId The ID of the network interface interface.\n@return The ID of the network interface.*"",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether source/destination checking is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
@return Indicates whether source/destination checking is enabled.*/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
},
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   "additionalUnmarshallingPath" : "value",
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
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   "marshallLocationName" : "SourceDestCheck",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "sourceDestCheck",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled.
@return Indicates whether source/destination checking is enabled.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
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   "variableName" : "sourceDestCheck",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>Indicates whether source/destination checking is enabled.</p>\n@param sourceDestCheck Indicates whether source/destination checking is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether source/destination checking is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
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"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "describeNetworkInterfaceAttributeResult",
  "variableType" : "DescribeNetworkInterfaceAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeNetworkInterfaceAttributeResult",
  "variableSetterType" : "DescribeNetworkInterfaceAttributeResult"
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"wrapper" : false,
"DescribeNetworkInterfacesRequest" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeNetworkInterfaces.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
  "c2jName" : "NetworkInterfaceIds",
  "c2jShape" : "NetworkInterfaceIdList",
  "deprecated" : false,
  "documentation" : "<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>
@param networkInterfaceIds One or more network interface IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNetworkInterfaceIds",
  "getterDocumentation" : "/**<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>
@return One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>",
  "getterMethodName" : "getNetworkInterfaceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NetworkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
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    "interfaceType" : "java.util.List",
    "listType" : "NetworkInterfaceIdList",
    "mapType" : null
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  "c2jShape": "String",
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  "enumType": null,
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   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**
   * @return *
   */",
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  "getterModel": {
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    "documentation": null
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
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  "list": false,
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  "map": false,
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   */",
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    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
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   * @param member
   * @return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interface IDs.</p> <p>Default: Describes all your network interfaces.</p>

</p>

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

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@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.

@ModelAttribute public NetworkInterfaceIds @param networkInterfaceIds One or more network interface IDs.
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"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> \ul <li> <p> <code>addresses/private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> \ul <li> <p> Whether the private IPv4 address is the primary IP address associated with the network interface.</p> \ul <li> <p> <code>addresses/association/public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).\ul <li> <p> <code>addresses/association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p> \ul <li> <p> <code>addresses/association.ip-owner-id</code> - The owner ID of the Elastic IP address (IPv4) associated with the network interface.\ul <li> <p> <code>addresses/association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.\ul <li> <p> <code>addresses/association.public-dns-name</code> - The public DNS name for the network interface (IPv4).\ul <li> <p> <code>attachment/attachment-id</code> - The ID of the interface attachment.\ul <li> <p> <code>attachment/attach.time</code> - The time that the network interface was attached to an instance.\ul <li> <p> <code>attachment/delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.\ul <li> <p> <code>attachment/device-index</code> - The device index to which the network interface is attached.\ul <li> <p> <code>attachment/device-owner-id</code> - The ID of the instance to which the network interface is attached.\ul <li> <p> <code>attachment/nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.\ul <li> <p> <code>attachment/status</code> - The status of the attachment (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).\ul <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.\ul <li> <p> <code>description</code> - The description of the network interface.\ul <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.\ul <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.\ul <li> <p> <code>ipv6-addresses/ipv6-address</code> - An IPv6 address associated with the network interface.\ul <li> <p> <code>mac-address</code> - The MAC address of the network interface.\ul <li> <p> <code>network-interface-id</code> - The ID of the network interface.\ul <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.\ul <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.\ul <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).\ul <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).\ul <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).\ul <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and
<code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. 

- <code>status</code>: The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.

- <code>subnet-id</code>: The ID of the subnet for the network interface.

- <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter.

- <code>tag-key</code>:<i>key</i>=<i>value</i>: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- <code>vpc-id</code>: The ID of the VPC for the network interface.
id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). </p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). </p> </li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. </p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose=X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface. </p> </li> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the primary IP address associated with the network interface. </p> </li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). </p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment. </p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance. </p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated. </p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached. </p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached. </p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment (attaching | attaching | attached | detached). </p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface. </p> </li> <li> <p> <code>description</code> - The description of the network interface. </p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface. </p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface. </p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface. </p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface. </p> </li> <li> <p> <code>network-interface-
id</code> - The ID of the network interface. 
<li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner. 
</li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface. 
</li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4). 
</li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). 
</li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). 
</li> <li> <p> <code>source-des- check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. 
</li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>. 
</li> <li> <p> <code>tag:Key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 
</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=CostCenter\" and the filter \"tag-value=X\", you get any resources assigned both the tag key CostCenter (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag=tag-value</code> filter. 
</li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface. 
</li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface. 
</li> <li> <p> <code>addresses.association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. 
</li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4). 
</li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached. 
</li> <li> <p> <code>attachment-instance-id</code> - The ID of the instance to which the network interface is attached. 
</li> <li> <p> <code>attachment-instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. 
</li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached. 
</li> <li> <p> <code>attachment.status</code> - The status of the attachment. 
</li> <li> <p> <code>availability-zone</code> - TheAvailability Zone of the
network interface.</p> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p> </li> <li> <p> <code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the network interface attachment.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li>
attached.</li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>device-index</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>tags</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, to list all resources assigned tag key Purpose with value X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li>
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  "interfaceType": "java.util.List",
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    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
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     * @return */",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p> </li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.association.id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>addresses.association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>addresses.association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>addresses.association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>addresses.association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID
of the interface attachment. - The time that the network interface was attached to an instance. - Indicates whether the attachment is deleted when an instance is terminated. - The ID of the instance to which the network interface is attached. - Indicates whether the network interface is attached. - The owner ID of the instance to which the network interface is attached. - The owner ID of the instance to which the network interface is attached. - The ID of the security group associated with the network interface. - The MAC address of the network interface. - The ID of the network interface. - The AWS account ID of the network interface owner. - The private IPv4 address or addresses of the network interface. - Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be true for the network interface to perform network address translation (NAT) in your VPC. - The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use. - The ID of the subnet for the network interface. - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value. - The value of a tag assigned to the resource. This filter is independent of the tag:filter. For example, if you use both the filter \tag-key=Purpose\" and the filter \tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=Purpose</code> filter. - The value of the association. This filter is independent of the association:filter. For example, if you use both the filter \association:association-id\" and the filter \association:association-owner-id\", you get any associations assigned both the association id and the association owner id (regardless of what the association id is). If you want to list only associations where association id is X, see the <code>association:association-id=association-owner-id</code> filter. - The owner ID of the addresses associated with the network interface. - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). - The association ID returned when the network interface was associated with an IPv4 address. - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>association.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment (attaching | attached | detaching | detached).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The Private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-dhcp-check</code> - Indicates whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - Whether the private IPv4 address is the primary IP address associated with the network interface. </p> </li>
<li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). </p> </li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface. </p> </li> <li> <p> <code>addresses.association-association-id</code> - The association ID returned when the network interface was associated with an IPv4 address. </p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) for your network interface. </p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. </p> </li> <li> <p> <code>association.public-ip</code> - The public DNS name for the network interface (IPv4). </p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment. </p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment. </p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated. </p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached. </p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. </p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached. </p> </li> <li> <p> <code>description</code> - The description of the network interface. </p> </li> <li> <p> <code>description</code> - The description of the network interface. </p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface. </p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface. </p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface. </p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - The MAC address of the network interface. </p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface. </p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner. </p> </li> <li> <p> <code>private-ipv4-address</code> - The private IPv4 address or addresses of the network interface. </p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4). </p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). </p> </li> <li> <p> <code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). </p> </li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. </p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>. </p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X,
specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.  

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>="<i>value</i>" filter. 

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. 

- `<code>vpc-id</code>` - The ID of the VPC for the network interface. 

- `<code>addresses.private-ip-address</code>` - The private IPv4 addresses associated with the network interface. 

- `<code>addresses.private-dns-name</code>` - The private DNS name of the network interface (IPv4). 

- `<code>addresses.association.public-ip</code>` - The address of the Elastic IP address (IPv4) bound to the network interface. 

- `<code>addresses.association.owner-id</code>` - The owner ID of the Elastic IP address (IPv4). 

- `<code>vpc-id</code>` - The ID of the VPC for the network interface. 

- `<code>attachment.attachment-id</code>` - The ID of the interface attachment. 

- `<code>attachment.delete-on-termination</code>` - Indicates whether the attachment is deleted when an instance is terminated. 

- `<code>attachment.device-index</code>` - The device index to which the network interface is attached. 

- `<code>attachment.instance-id</code>` - The ID of the instance to which the network interface is attached. 

- `<code>attachment.instance-owner-id</code>` - The owner ID of the instance to which the network interface is attached. 

- `<code>attachment.nat-gateway-id</code>` - The ID of the NAT gateway to which the network interface is attached. 

- `<code>availability-zone</code>` - The Availability Zone of the network interface. 

- `<code>description</code>` - The description of the network interface. 

- `<code>group-id</code>` - The ID of a security group associated with the network interface. 

- `<code>group-name</code>` - The name of a security group associated with the network interface. 

- `<code>ipv6-addresses.ipv6-address</code>` - An IPv6 address associated with the network interface. 

- `<code>mac-address</code>` - The MAC address of the network interface. 

- `<code>network-interface-id</code>` - The ID of the network interface. 

- `<code>owner-id</code>` - The AWS account ID of the network interface owner. 

- `<code>private-ip-address</code>` - The private IPv4 address or addresses of the network interface. 

- `<code>private-dns-name</code>` - The private DNS name of the network interface (IPv4). 

- `<code>requester-id</code>` - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). 

- `<code>requester-managed</code>` - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). 

- `<code>source-desk-check</code>` - Indicates whether the network interface performs source/destination checking. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the network interface to perform network address translation (NAT) in your VPC.
The status of the network interface. If the network interface is not attached to an instance, the status is `<code>available</code>`; if a network interface is attached to an instance the status is `<code>in-use</code>`.

- `<code>attachment.attachment-id</code>` - The ID of the interface attachment.
- `<code>attachment.attach.time</code>` - The time that the network interface was attached to an instance.
- `<code>attachment.delete-on-termination</code>` - Indicates whether the attachment is deleted when an instance is terminated.
- `<code>attachment.device-index</code>` - The device index to which the network interface is attached.
- `<code>attachment.instance-id</code>` - The ID of the instance to which the network interface is attached.
- `<code>attachment-instance-owner-id</code>` - The owner ID of the instance to which the network interface is attached.
- `<code>attachment.nat-gateway-id</code>` - The ID of the NAT gateway to which the network interface is attached.
- `<code>attachment.status</code>` - The status of the attachment (`<code>attaching</code>` | `<code>attached</code>` | `<code>detaching</code>` | `<code>detached</code>`).
- `<code>availability-zone</code>` - The Availability Zone of the network interface.
- `<code>description</code>` - The description of the network interface.
- `<code>group-id</code>` - The ID of a security group associated with the network interface.
- `<code>group-name</code>` - The name of a security group associated with the network interface.
- `<code>ipv6-addresses.ipv6-address</code>` - An IPv6 address associated with the network interface.
- `<code>mac-address</code>` - The MAC address of the network interface.
- `<code>network-interface-id</code>` - The ID of the network interface.
- `<code>owner-id</code>` - The AWS account ID of the network interface owner.
address - The private IPv4 address or addresses of the network interface.
addresses.private-dns-name - The private DNS name of the network interface (IPv4).
The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
addresses.requester-id - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
addresses.requester-managed - The status of the network interface. If the network interface is not attached to an instance, the status is 'available'; if a network interface is attached to an instance the status is 'in-use'.
addresses.status - The status of the network interface. If the network interface is not attached to an instance, the status is 'available'; if a network interface is attached to an instance the status is 'in-use'.
addresses.subnet-id - The ID of the subnet for the network interface.
addresses.tag:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
addresses.tag-key - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter '\tag-key=Purpose\" and the filter '\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.
addresses.tag-value - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter '\tag-key=Purpose\" and the filter '\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:<i>key</i>=<i>value</i></code> filter.
association.association-id - The ID of the association for the network interface.
association.allocation-id - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
association.ip-owner-id - The owner of the Elastic IP address (IPv4) associated with the network interface.
association.public-ip - The public IPv4 address assigned to the network interface.
association.public-dns-name - The public DNS name for the network interface (IPv4).
attachment.attachment-id - The ID of the interface attachment.
attachment.delete-on-termination - Indicates whether the attachment is deleted when an instance is terminated.
<code>attachment.device-index</code> - The device index to which the network interface is attached.<p>  
IPv4) bound to the network interface. The public DNS name for the network interface (IPv4). The ID of the interface attachment. The time that the network interface was attached to an instance. Indicates whether the attachment is deleted when an instance is terminated. The device index to which the network interface is attached. The ID of the instance to which the network interface is attached. The public DNS name for the network interface (IPv4). The owner ID of the instance to which the network interface is attached. The MAC address of the network interface. The ID of the network interface. The ID of the network interface. The AWS account ID of the network interface owner. The private IPv4 address or addresses of the network interface. The private DNS name of the network interface. The ID of the VPC for the network interface. The key/value combination of a tag assigned to the resource. The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XV\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>. The association ID returned when the network interface was associated with the Elastic IP address (IPv4). The owner ID of the addresses associated with the network interface. The association ID returned when the network interface was associated with the network interface. The VPC ID for the network interface. If the network interface is not attached to an instance, the status is available. If a network interface is attached to an instance the status is in-use. The ID of the subnet for the network interface. The ID of the instance to which the network interface is attached. The status of the attachment. The ID of the NAT gateway to which the network interface is attached. The status of the attachment. Indicates whether the network interface is performing source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. The ID of the security group associated with the network interface. The name of a security group associated with the network interface. An IPv6 address associated with the network interface. The MAC address of the network interface. The ID of the network interface. The name of the security group associated with the network interface. The private IPv4 address or addresses of the network interface. The private DNS name of the network interface (IPv4). Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). Indicates whether the network interface has source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. Any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>. The association ID returned when the network interface was associated with the Elastic IP address (IPv4). The VPC ID for the network interface. Whether the private IPv4 address is the primary IP address associated with the network interface. The owner ID of the addresses associated with the network interface. The association ID returned when the network interface was associated with the network interface. The owner ID of the addresses associated with the network interface.
with an IPv4 address.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when
you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.ipowner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li>
<p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network
interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network
interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface
attachment.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was
attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the
attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instanceid</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p>
<code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is
attached.</p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the
network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment
(<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p>
</li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p>
the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or
addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of
the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the
instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p>
<code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service
(for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-deskcheck</code> - Indicates whether the network interface performs source/destination checking. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value
must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.
</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not
attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the
status is <code>in-use</code>.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network
interface.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag
assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For
example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the
filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is
independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and
the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's
value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose
is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The
value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li>
<p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li>\n@return Returns a reference
to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>addresses.private-ipaddress</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p>

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<code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface. 

<code>addresses.association.association-id</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4). 

<code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface. 

<code>addresses.association.allocate-only</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. 

<code>addresses.association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface. 

<code>addresses.association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. 

<code>addresses.association.public-dns-name</code> - The public DNS name for the network interface (IPv4). 

<code>addresses.association.public-association-id</code> - The ID of the interface attachment. 

<code>addresses.association.public-association-id</code> - The ID that the network interface was attached to an instance. 

<code>addresses.association.public-association-id</code> - Indicates whether the attachment is deleted when an instance is terminated. 

<code>addresses.association.allocation-id</code> - The ID of the Elastic IP address (IPv4) for your network interface. 

<code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface. 

<code>addresses.association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface. 

<code>addresses.association.public-dns-name</code> - The public DNS name for the network interface (IPv4). 

<code>addresses.association.public-association-id</code> - The ID of the interface attachment. 

<code>addresses.association.public-association-id</code> - The ID that the network interface was attached to an instance. 

<code>addresses.association.public-association-id</code> - Indicates whether the attachment is deleted when an instance is terminated. 

<code>attachment.attachment-id</code> - The ID of the interface attachment. 

<code>attachment.attach.time</code> - The time that the network interface was attached to an instance. 

<code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated. 

<code>attachment.device-index</code> - The device index to which the network interface is attached. 

<code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached. 

<code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached. 

<code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached. 

<code>attachment.status</code> - The status of the attachment (attaching | attached | detaching | detached). 

<code>availability-zone</code> - The Availability Zone of the network interface. 

<code>description</code> - The description of the network interface. 

<code>group-id</code> - The ID of a security group associated with the network interface. 

<code>group-name</code> - The name of a security group associated with the network interface. 

<code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface. 

<code>mac-address</code> - The MAC address of the network interface. 

<code>network-interface-id</code> - The ID of the network interface. 

<code>owner-id</code> - The AWS account ID of the network interface owner. 

<code>private-ip-address</code> - The private IPv4 address or addresses of the network interface. 

<code>private-dns-name</code> - The private DNS name of the network interface (IPv4). 

<code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). 

<code>requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). 

<code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. 

<code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>. 

<code>tag-value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Network, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \`tag-key=Purpose\' and the filter \`tag-value=X\', you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter.
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

- The ID of the VPC for the network interface. 

- The private IPv4 addresses associated with the network interface. 

- Whether the private IPv4 address is the primary IP address associated with the network interface. 

- The association ID returned when the network interface was associated with the Elastic IP address (IPv4). 

- The owner ID of the addresses associated with the network interface. 

- The association ID returned when the network interface was associated with an IPv4 address. 

- The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface. 

- The owner of the Elastic IP address (IPv4) associated with the network interface. 

- The address of the Elastic IP address (IPv4) bound to the network interface. 

- The public DNS name for the network interface (IPv4). 

- The ID of the instance to which the network interface is attached. 

- The ID of the NAT gateway to which the network interface is attached. 

- The status of the attachment. 

- The time that the network interface was attached to an instance. 

- Indicates whether the attachment is deleted when an instance is terminated. 

- The ID of the security group associated with the network interface. 

- The ID of a security group associated with the network interface. 

- The name of a security group associated with the network interface. 

- An IPv6 address associated with the network interface. 

- The MAC address of the network interface. 

- The AWS account ID of the network interface owner. 

- The private IPv4 address or addresses of the network interface. 

- The private DNS name of the network interface (IPv4). 

- The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on). 

- Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on). 

- Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC. 

- The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>. 

- The ID of the subnet for the network interface. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. 

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose\" and
the filter "tag-value=X" , you get any resources assigned both the tag key Purpose (regardless of what the tag's
value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose
is X, see the <code>tag</code> key=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The ID of the VPC for the network interface.

```
"getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/@param member @return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
```
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p> </li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>addresses.association.owner-id</code> - The owner ID of the addresses associated with the network interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>association.allocation-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> <li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> <li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> <li> <p> <code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.nat-gateway-id</code> - The ID of the NAT gateway to which the network interface is attached.</p> </li> <li> <p> <code>attachment.status</code> - The status of the attachment. <code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone of the network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>true</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is..."
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \tag-key=Purpose\" and the filter \tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>addresses.association-public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>addresses.association-owner-id</code> - The owner ID of the addresses associated with the network interface.</p> </li> <li> <p> <code>association.association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> <li> <p> <code>association.association-status</code> - The status of the attachment (attaching | attached | detaching | detached).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.attachment-owner-id</code> - The owner ID of the instance to which the network interface is attached.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li> <li> <p> <code>attachment.description</code> - The description of the network interface (IPv4).</p> </li> <li> <p> <code>attachment.owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>attachment.private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>attachment.private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>attachment.private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>attachment.requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>attachment.requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>attachment.sourcedesck-check</code> - Indicates whether the network interface performs source/destination checking. A value of...
true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC. The status of the network interface. If the network interface is not attached to an instance, the status is available; if a network interface is attached to an instance the status is in-use. The ID of the subnet for the network interface. The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value. - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter tag-key=Purpose and the filter tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter. The value of a tag assigned to the resource. This filter is independent of the tag-key filter. The ID of the VPC for the network interface. One or more filters. The private IPv4 addresses associated with the network interface. Whether the private IPv4 address is the primary IP address associated with the network interface. The association ID returned when the network interface was associated with the Elastic IP address (IPv4). The owner ID of the addresses associated with the network interface. The association ID returned when the network interface was associated with an IPv4 address. The owner ID of the addresses associated with the network interface. The owner of the Elastic IP address (IPv4) associated with the network interface. The address of the Elastic IP address (IPv4) bound to the network interface. The public DNS name for the network interface (IPv4). The ID of the interface attachment. The time that the network interface was attached to an instance. Indicates whether the attachment is deleted when an instance is terminated. The device index to which the network interface is attached. The ID of the instance to which the network interface is attached. The owner ID of the instance to which the network interface is attached. The ID of the NAT gateway to which the network interface is attached. The status of the attachment. The Availability Zone of the network interface.
network interface.</p> </li> <li> <p> <code>description</code> - The description of the network interface.</p> </li> <li> <p> <code>group-id</code> - The ID of a security group associated with the network interface.</p> </li> <li> <p> <code>group-name</code> - The name of a security group associated with the network interface.</p> </li> <li> <p> <code>ipv6-addresses.ipv6-address</code> - An IPv6 address associated with the network interface.</p> </li> <li> <p> <code>mac-address</code> - The MAC address of the network interface.</p> </li> <li> <p> <code>network-interface-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the network interface owner.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address or addresses of the network interface.</p> </li> <li> <p> <code>private-dns-name</code> - The private DNS name of the network interface (IPv4).</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</p> </li> <li> <p> <code>subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p> </li> <li> <p> <code>addresses.primary</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p> </li> <li> <p> <code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p> </li> <li> <p> <code>addresses.association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</p> </li> <li> <p> <code>attachment.attachment-id</code> - The ID of the interface attachment.</p> </li> <li> <p> <code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Indicates whether the attachment is deleted when an instance is terminated.</p> </li> <li> <p> <code>attachment.device-index</code> - The device index to which the network interface is attached.</p> </li>
<li><code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</li>
<li><code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface (IPv4).</li>
<li><code>association.public-dns-name</code> - The public DNS name for the network interface (IPv4).</li>
<li><code>attachment.attachment-id</code> - The ID of the interface attachment.</li>
<li><code>attachment.attach.time</code> - The time that the network interface was attached to an instance.</li>
<li><code>attachment.device-index</code> - The device index to which the network interface is attached.</li>
<li><code>attachment.instance-id</code> - The ID of the instance to which the network interface is attached.</li>
<li><code>attachment.instance-owner-id</code> - The owner ID of the instance to which the network interface is attached.</li>
<li><code>attachment.attachment-owner-id</code> - The ID of the NAT gateway to which the network interface is attached.</li>
<li><code>attachment.delete-on-termination</code> - The status of the attachment.</li>
<li><code>attachment.owner-id</code> - The AWS account ID of the network interface owner.</li>
<li><code>attachment.private-ip-address</code> - The private IPv4 address or addresses of the network interface.</li>
<li><code>attachment.private-dns-name</code> - The private DNS name of the network interface (IPv4).</li>
<li><code>attachment.requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</li>
<li><code>attachment.requester-managed</code> - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).</li>
<li><code>source-desk-check</code> - Indicates whether the network interface performs source/destination checking. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the network interface to perform network address translation (NAT) in your VPC.</li>
<li><code>status</code> - The status of the network interface. If the network interface is not attached to an instance, the status is <code>available</code>; if a network interface is attached to an instance the status is <code>in-use</code>.</li>
<li><code>tag</code>:<i>tag</i>=<i>tag</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:-purpose</code>:<i>tag</i>=<i>tag</i> filter. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>vpc-id</code> - The ID of the VPC for the network interface.</li>
"NetworkInterfaceIds" : {
  "c2jName" : "NetworkInterfaceIds",
  "c2jShape" : "NetworkInterfaceIdList",
  "deprecated" : false,
  "documentation" : "One or more network interface IDs. Default: Describes all your network interfaces."
},
"enumType" : null,
"fluentSetterDocumentation" : "One or more network interface IDs. Default: Describes all your network interfaces."

```
/**
* One or more network interface IDs.
* Default: Describes all your network interfaces.
*
* @param networkInterfaceIds One or more network interface IDs.
* @return Returns a reference to this object so that method calls can be chained together.
*/
```

"getterDocumentation" : "One or more network interface IDs. Default: Describes all your network interfaces."

```
/**
* One or more network interface IDs.
* Default: Describes all your network interfaces.
*
* @return One or more network interface IDs.
*/
```

"getterMethodName" : "getNetworkInterfaceIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NetworkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "Returns a reference to this object so that method calls can be chained together."
  }
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,

"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>

"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceIds",
"setterDocumentation" : "/**<p>One or more network interface IDs.\nDefault: Describes all your
network interfaces.\n@param networkInterfaceIds One or more network interface IDs.\nDefault: Describes all your network interfaces.*/",
"setterMethodName" : "setNetworkInterfaceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkInterfaceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interface IDs.\nDefault: Describes all your
network interfaces.\n@param networkInterfaceIds One or more network interface IDs.\n\n@NOTE: This method appends the values to the existing list (if any). Use
{@link #setNetworkInterfaceIds(java.util.Collection)} or
{@link #withNetworkInterfaceIds(java.util.Collection)} if you want to override the existing values.\n@param networkInterfaceIds One or more network interface IDs.\n\nDefault: Describes all your network interfaces.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "networkInterfaceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more network interface IDs.\nDefault: Describes all your network
interfaces.\n</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
"xmlNameSpaceUri" : null}
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "DescribeNetworkInterfacesRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeNetworkInterfacesRequest",
  "variableName": "describeNetworkInterfacesRequest",
  "variableType": "DescribeNetworkInterfacesRequest",
  "documentation": null,
  "simpleType": "DescribeNetworkInterfacesRequest",
  "variableSetterType": "DescribeNetworkInterfacesRequest"
},
"wrapper": false
},
"DescribeNetworkInterfacesResult": {
  "c2jName": "DescribeNetworkInterfacesResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeNetworkInterfaces.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
    { "c2jName": "NetworkInterfaces",
      "c2jShape": "NetworkInterfaceList",
      "deprecated": false,
      "documentation": "<p>Information about one or more network interfaces.</p>",
      "enumType": null,
      "FluentSetterDocumentation": "/**<p>Information about one or more network interfaces.</p>
@method Returns a reference to this object so that method calls can be chained together.*/",
      "getterDocumentation": "/**<p>Information about one or more network interfaces.</p>
@method Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName": "getNetworkInterfaces",
      "getterModel": {
        "returnType": "java.util.List<NetworkInterface>"
      }
    }
  ]
}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "NetworkInterface",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\* @param member 
\* @return Returns a reference to this object so that
\* method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
\* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "NetworkInterface",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "NetworkInterface",
"variableName" : "member",
"variableType" : "NetworkInterface",
"documentation" : "",
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.* */",
"variable" : {
"variableDeclarationType" : "NetworkInterface",
"variableName" : "member",
"variableType" : "NetworkInterface",
"documentation" : "",
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"templateType" : "java.util.List<NetworkInterface>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**\n@param networkInterfaces Information about one or more network interfaces.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<NetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<NetworkInterface>",
  "variableSetterType" : "java.util.Collection<NetworkInterface>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param networkInterfaces Information about one or more network interfaces. \n\<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setNetworkInterfaces(java.util.Collection)} or { @link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<NetworkInterface>",
  "documentation" : "Information about one or more network interfaces.",
  "simpleType" : "List<NetworkInterface>",
  "variableSetterType" : "java.util.Collection<NetworkInterface>"},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "NetworkInterfaces" : {
    "c2jName" : "NetworkInterfaces",
    "c2jShape" : "NetworkInterfaceList",
    "deprecated" : false,
    "documentation" : "Information about one or more network interfaces.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param networkInterfaces Information about one or more network interfaces.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaces",
    "getterDocumentation" : "/**\nInformation about one or more network interfaces.\n\n@return Information about one or more network interfaces.*/",
    "getterMethodName" : "getNetworkInterfaces",
    "getterModel" : {
      "returnType" : "java.util.List<NetworkInterface>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "NetworkInterface",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return 
*/",
    "getterMethod" : "getMember",
    "getterModel" : {
      "returnType" : "NetworkInterface",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterface",
  "variableName" : "member",
  "variableType" : "NetworkInterface",
  "documentation" : "",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkInterface",
  "variableName" : "member",
  "variableType" : "NetworkInterface",
  "documentation" : "",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"templateType" : "java.util.List<NetworkInterface>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**\n<p>Information about one or more network interfaces.</p>
@param networkInterfaces Information about one or more network interfaces.</param*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
  "variableName" : "member",
  "variableType" : "NetworkInterface",
  "documentation" : "",
  "simpleType" : "NetworkInterface",
  "variableSetterType" : "NetworkInterface"
},
"simple" : false,
"simpleType" : "NetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"templateType" : "java.util.List<NetworkInterface>"
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<NetworkInterface>",
"documentation" : "",
"simpleType" : "List<NetworkInterface>",
"variableSetterType" : "java.util.Collection<NetworkInterface>",
}

"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more network interfaces.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNetworkInterfaces(java.util.Collection)} or {@link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.</p>@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterface>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<NetworkInterface>",
"documentation" : "Information about one or more network interfaces.",
"simpleType" : "List<NetworkInterface>",
"variableSetterType" : "java.util.Collection<NetworkInterface>",

"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeNetworkInterfacesResult",
"unmarshaller" : {

"flattened" : false,
"resultWrapper" : null
},

"variable" : {

"variableDeclarationType" : "DescribeNetworkInterfacesResult",
"variableName" : "describeNetworkInterfacesResult",
"variableType" : "DescribeNetworkInterfacesResult",
"documentation" : null,
"simpleType" : "DescribeNetworkInterfacesResult",
"variableSetterType" : "DescribeNetworkInterfacesResult"
},

"wrapper" : false
},

"DescribePlacementGroupsRequest" : {

"c2jName" : "DescribePlacementGroupsRequest",
"customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
"deprecated" : false,
"documentation" : "\tContains the parameters for DescribePlacementGroups.\</p>\t","enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribePlacementGroups",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "GroupNames",
"c2jShape" : "PlacementGroupStringList",
"deprecated" : false,
"documentation" : "One or more placement group names.\</p>\tDefault: Describes all your placement groups, or only those otherwise specified.\</p>\t","enumType" : null,
"fluentSetterDocumentation" : "One or more placement group names.\</p>\tDefault: Describes all your placement groups, or only those otherwise specified.\</p>\t@param groupNames One or more placement group names.\</p>\tDefault: Describes all your placement groups, or only those otherwise specified.\</p>\t@return One or more placement group names.\</p>\tDefault: Describes all your placement groups, or only those otherwise specified.\</p>\t\n@returns Returns a reference to this object so that method calls can be chained together.\</p>\t","fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "One or more placement group names.\</p>\tDefault: Describes all your placement groups, or only those otherwise specified.\</p>\t\n@returns Returns a reference to this object so that method calls can be chained together.\</p>\t","getterMethodName" : "getGroupNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**\n<p>One or more placement group names.</p> \n<p>Default: Describes all your placement groups, or only those otherwise specified.</p>
@param groupNames One or more placement group names.</p> \n<p>Default: Describes all your placement groups, or only those otherwise specified.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more placement group names.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n<br>Note: This method appends the values to the existing list (if any). Use [@link setGroupNames(java.util.Collection)] or [@link withGroupNames(java.util.Collection)] if you want to override the existing values.</p>\n@paragm groupNames One or more placement group names.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more placement group names.<p> Default: Describes all your placement groups, or only those otherwise specified.</p> <p>Note: This method appends the values to the existing list (if any). Use [@link setGroupNames(java.util.Collection)] or [@link withGroupNames(java.util.Collection)] if you want to override the existing values.
  @paragm groupNames One or more placement group names.</p> <p>Default: Describes all your placement groups, or only those otherwise specified.</p>\n  @returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null,
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The name of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The state of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The strategy of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>One or more filters.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The name of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The state of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The strategy of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withFilters",
  "getterDocumentation" : "/**<p>One or more filters.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The name of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The state of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The strategy of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t\n@returns One or more filters.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The name of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The state of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t- The strategy of the placement group.<p> Default: Describes all your placement groups, or only those otherwise specified.</p>\n\t\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getFilters",
  "getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
  },
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
  }
}
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/*<p>One or more filters.</p> <ul> <li> <p> <code>group-name</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group</p> </li> */",", The name of the placement group."/>
One or more filters.

- **group-name**: The name of the placement group.
- **state**: The state of the placement group.
- **strategy**: The strategy of the placement group.

The method appends the values to the existing list (if any). Use `#setFilters(java.util.Collection)` or `#withFilters(java.util.Collection)` if you want to override the existing values.

@link

Returns a reference to this object so that method calls can be chained together.

```
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": ",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
}

"membersAsMap": {
  "Filters": {
    "c2jName": "Filters",
    "c2jShape": "FilterList",
    "deprecated": false,
    "documentation": ",
    "simpleType": ",
    "variableSetterType": "java.util.Collection<Filter>"
  },
  "xmlnsNameSpaceUri": null
}
```
<li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>). </p> </li>

"enumType" : null,


@l param filters One or more filters.</p> <ul> <li> <p> <code>groupName</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>). </p> </li> </ul>

@n@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withFilters",


@return One or more filters.</p> <ul> <li> <p> <code>groupName</code> - The name of the placement group.</p> </li> <li> <p> <code>state</code> - The state of the placement group (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>strategy</code> - The strategy of the placement group (<code>cluster</code>). </p> </li> */

"getterMethodName" : "getFilters",

"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
  }
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"}
**One or more filters.**

- **group-name**: The name of the placement group.
- **state**: The state of the placement group (pending | available | deleting | deleted).
- **strategy**: The strategy of the placement group (cluster).

*(NOTE: This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.)*

```java
variable : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",

```
"statusCode" : false,
"unmarshallLocationName" : "groupName",
"uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null,
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false,
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**\nOne or more placement group names.\n\n@default: Describes all your placement groups, or only those otherwise specified.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"
},
"simple" : false,
**One or more placement group names.**

**Default:** Describes all your placement groups, or only those otherwise specified.

**NOTE:** This method appends the values to the existing list (if any). Use [setGroupNames(java.util.Collection)](com.amazonaws.internal.SdkInternalList<String>) or [withGroupNames(java.util.Collection)](java.util.List<String>) if you want to override the existing values.

```java
public DescribePlacementGroupsResult withGroupNames(java.util.Collection<String> groupNames)
```

**Returns:** Returns a reference to this object so that method calls can be chained together.

```java
public DescribePlacementGroupsResult withGroupNames(java.util.Collection<String> groupNames)
```

**Description:**

Contains the output of DescribePlacementGroups.

```java
public DescribePlacementGroupsResult withGroupNames(java.util.Collection<String> groupNames)
```

**Returns:** Returns a reference to this object so that method calls can be chained together.

```java
public DescribePlacementGroupsResult withGroupNames(java.util.Collection<String> groupNames)
```
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { 
  "c2jName" : "PlacementGroups",
  "c2jShape" : "PlacementGroupList",
  "deprecated" : false,
  "documentation" : "<p>One or more placement groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more placement groups.</p>
  @param placementGroups One or more placement groups.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlacementGroups",
  "getterDocumentation" : "/**<p>One or more placement groups.</p>
  @return One or more placement groups.*/",
  "getterMethodName" : "getPlacementGroups",
  "getterModel" : { 
    "returnType" : "java.util.List<PlacementGroup>",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PlacementGroupSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "placementGroupSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : { 
      "c2jName" : "member",
      "c2jShape" : "PlacementGroup",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member 
  @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
      "getterModel" : { 
        "returnType" : "java.util.List<PlacementGroup>",
        "documentation" : null
      }}}}};
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "PlacementGroup",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PlacementGroup",
  "variableName" : "member",
  "variableType" : "PlacementGroup",
  "documentation" : "",
  "simpleType" : "PlacementGroup",
  "variableSetterType" : "PlacementGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PlacementGroup",
  "variableName" : "member",
  "variableType" : "PlacementGroup",
  "documentation" : "",
  "simpleType" : "PlacementGroup",
  "variableSetterType" : "PlacementGroup"
},
"xmlNameSpaceUri" : null
"architecture", "memberLocationName" : "item",
"memberType" : "PlacementGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PlacementGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"templateType" : "java.util.List<PlacementGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "PlacementGroups",
"setterDocumentation" : "/**
@param placementGroups One or more placement groups.
*/",
"setterMethodName" : "setPlacementGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
  "variableName" : "placementGroups",
  "variableType" : "java.util.List<PlacementGroup>",
  "documentation" : "",
  "simpleType" : "List<PlacementGroup>",
  "variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param placementGroups One or more placement groups.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setPlacementGroups(java.util.Collection) or [@link #withPlacementGroups(java.util.Collection) if you want to override the existing values. 

@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
  "variableName" : "placementGroups",
  "variableType" : "java.util.List<PlacementGroup>",
  "documentation" : "One or more placement groups.
",
  "simpleType" : "List<PlacementGroup>",
  "variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "PlacementGroups" : {
  "c2JName" : "PlacementGroups",
  "c2JShape" : "PlacementGroupList",
  "deprecated" : false,
"documentation" : "<p>One or more placement groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more placement groups.</p>
@param placementGroups One or more placement groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlacementGroups",
"getterDocumentation" : "/*@return One or more placement groups.*/",
"getterMethodName" : "getPlacementGroups",
"getterModel" : {
"returnType" : "java.util.List<PlacementGroup>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PlacementGroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placementGroupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PlacementGroup",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/*@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PlacementGroup",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "PlacementGroup",
  "variableName": "member",
  "variableType": "PlacementGroup",
  "documentation": "",
  "simpleType": "PlacementGroup",
  "variableSetterType": "PlacementGroup"
},
"simple": false,
"varargSetterDocumentation": "/**\n * @param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "PlacementGroup",
  "variableName": "member",
  "variableType": "PlacementGroup",
  "documentation": "",
  "simpleType": "PlacementGroup",
  "variableSetterType": "PlacementGroup"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "PlacementGroup",
"map": false,
"marshallNonAutoConstructedEmptyLists": false
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PlacementGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"templateType" : "java.util.List<PlacementGroup>",
"map" : false,
"mapModel" : null,
"name" : "PlacementGroups",
"setterDocumentation" : "/**<p>One or more placement groups.</p>
@param placementGroups One or more placement groups.*/",
"setterMethodName" : "setPlacementGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"variableName" : "placementGroups",
"variableType" : "java.util.List<PlacementGroup>",
"documentation" : "",
"simpleType" : "List<PlacementGroup>",
"variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more placement groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setPlacementGroups(java.util.Collection) \} or \{ @link #withPlacementGroups(java.util.Collection) \} if you want to override the existing values.</p>
@param placementGroups One or more placement groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"variableName" : "placementGroups",
"variableType" : "java.util.List<PlacementGroup>",
"documentation" : "\<p>One or more placement groups.</p>",
"simpleType" : "List<PlacementGroup>",
"variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribePlacementGroupsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PlacementGroup>",
"variableName" : "placementGroups",
"variableType" : "java.util.List<PlacementGroup>",
"documentation" : "\<p>One or more placement groups.</p>",
"simpleType" : "List<PlacementGroup>",
"variableSetterType" : "java.util.Collection<PlacementGroup>"
},
"xmlNameSpaceUri" : null
}
"variableDeclarationType": "DescribePlacementGroupsResult",
"variableName": "describePlacementGroupsResult",
"variableType": "DescribePlacementGroupsResult",
"documentation": null,
"simpleType": "DescribePlacementGroupsResult",
"variableSetterType": "DescribePlacementGroupsResult"
},
"wrapper": false
},
"DescribePrefixListsRequest": {
"c2jName": "DescribePrefixListsRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribePrefixLists.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribePrefixLists",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [{
  "c2jName": "PrefixListIds",
  "c2jShape": "ValueStringList",
  "deprecated": false,
  "documentation": "<p>One or more prefix list IDs.</p>",
  "enumType": null,
  "getterDocumentation": "<p>One or more prefix list IDs.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "withPrefixListIds",
  "getterModel": {
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    "documentation": null
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  "header": false,
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "PrefixListId",
  "uri": false
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"idempotencyToken": false,
"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
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    "fluentSetterDocumentation": "/**
     * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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  "documentation": "",
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  "variableSetterType": "java.util.Collection<String>"
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"simple": false,
"varargSetterDocumentation": "/**<p>One or more prefix list IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrefixListIds(java.util.Collection)} or {@link #withPrefixListIds(java.util.Collection)} if you want to override the existing values.</p>
@param prefixListIds One or more prefix list IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "java.util.List<String>",
  "documentation": "One or more prefix list IDs.",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null
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"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.
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<li> <code>prefix-list-id</code>: The ID of a prefix list.</li>
<li> <code>prefix-list-name</code>: The name of a prefix list.
</ul>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "One or more filters.
<ul>
<li> <code>prefix-list-id</code>: The ID of a prefix list.</li>
<li> <code>prefix-list-name</code>: The name of a prefix list.
</ul>
@return One or more filters.
</li></ul>"},
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</ul>
@override Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "One or more filters.
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<li> <code>prefix-list-id</code>: The ID of a prefix list.</li>
<li> <code>prefix-list-name</code>: The name of a prefix list.
</ul>
@return One or more filters.
</li></ul>"},
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"unmarshallLocationName": "Filter",
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"c2jShape": "Filter",
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"documentation": "",
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@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
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"documentation": null
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  "variableSetterType": "Filter"
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@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "Filter",
  "setterDocumentation": "/**
@param filters One or more filters.
<ul>
<li><p>prefix-list-id: The ID of a prefix list.</p></li>
<li><p>prefix-list-name: The name of a prefix list.</p></li>
</ul>
@param filters One or more filters.
<ul>
<li><p>prefix-list-id: The ID of a prefix list.</p></li>
<li><p>prefix-list-name: The name of a prefix list.</p></li>
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  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
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  "variableSetterType": "java.util.Collection<Filter>"
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"simple": false,
"varargSetterDocumentation": "/**\nOne or more filters.\n<ul>\n  <li>\n    <code>prefix-list-id</code>: The ID of a prefix list.\n  </li>  
  <li>\n    <code>prefix-list-name</code>: The name of a prefix list.\n  </li>\n</ul>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.\n</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "One or more filters.\n<ul>\n  <li>\n    <code>prefix-list-id</code>: The ID of a prefix list.\n  </li>  
  <li>\n    <code>prefix-list-name</code>: The name of a prefix list.\n  </li>\n</ul>",
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"getterDocumentation": "/**\nThe maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n<p>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterMethodName": "getMaxResults",
"getterModel" : {
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  "documentation" : null
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  "header" : false,
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  "location" : null,
  "marshalLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshalLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "",
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"documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. Constraint: If the value specified is greater than 1000, we return only 1000 items.",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"enumType" : null,
"fluentSetterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)\n@return The token for the next set of items to return. (You received this token from a prior call.)*/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.\n<li><p><code>prefix-list-id</code>: The ID of a prefix list.\n</li><li><p><code>prefix-list-name</code>: The name of a prefix list.\n</li></ul>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more filters.</p>
\n@param filters One or more filters.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withFilters",
"getterDocumentation": "/**<p>One or more filters.\n\n@param filters One or more filters.\n\n@return The ID of a prefix list.\n\n</p>
\li><p><code>prefix-list-id</code>: The ID of a prefix list.\n</li><li><p><code>prefix-list-name</code>: The name of a prefix list.\n</li></ul>",
"getterMethodName": "getFilters",
"getterModel": {
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"documentation" : null
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  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Filter",
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    "documentation" : "",
    "enumType" : null,
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     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together. */",
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    "getterDocumentation" : "/** @return */",
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"setterModel" : {
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"documentation" : "",
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"variableSetterType" : "Filter"
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"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
],
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p><ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.</p></li><li><p><code>prefix-list-name</code>: The name of a prefix list.</p></li></ul>
@param filters One or more filters.</p><ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.</p></li><li><p><code>prefix-list-name</code>: The name of a prefix list.</p></li></ul>
*/",
"setterMethodName" : "setFilters",
"setterModel" : {
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  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : ",",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more filters.</p>
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.</p></li><li><p><code>prefix-list-name</code>: The name of a prefix list.</p></li></ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p><p><code>maxResults</code>: The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p></code>",
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    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters.
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.</p></li><li><p><code>prefix-list-name</code>: The name of a prefix list.</p></li></ul>
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    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</code>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</code>\n@<param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withMaxResults",
    "fluentSetterModel" : {
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      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : ",",
      "simple" : false,
      "varargSetterDocumentation" : "/**<p>One or more filters.</p>
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
ul><li><p><code>prefix-list-name</code>: The name of a prefix list.
    
*/",
    "variable" : {
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      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : "One or more filters.
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
li><p><code>prefix-list-name</code>: The name of a prefix list.
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    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</code>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withMaxResults",
    "fluentSetterModel" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : ",",
      "simple" : false,
      "varargSetterDocumentation" : "/**<p>One or more filters.</p>
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
li><p><code>prefix-list-name</code>: The name of a prefix list.
    
*/",
    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : "One or more filters.
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
li><p><code>prefix-list-name</code>: The name of a prefix list.
"simple" : false,
   "xmlNameSpaceUri" : "null",
  "MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</code>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withMaxResults",
    "fluentSetterModel" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : ",",
      "simple" : false,
      "varargSetterDocumentation" : "/**<p>One or more filters.</p>
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
li><p><code>prefix-list-name</code>: The name of a prefix list.
    
*/",
    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
      "variableName" : "filters",
      "variableType" : "java.util.List<Filter>",
      "documentation" : "One or more filters.
<ul><li><p><code>prefix-list-id</code>: The ID of a prefix list.
li><p><code>prefix-list-name</code>: The name of a prefix list.
"simple" : false,
   "xmlNameSpaceUri" : "null",
  "MaxResults" : {
    "c2jName" : "MaxResults",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.</code>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. <p><code>Constraint: If the value specified is greater than 1000, we return only 1000 items.\n@returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withMaxResults",
"getterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p><p>@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",
"getterMethodName": "getMaxResults",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxResults",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxResults",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p><p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value specified is greater than 1000, we return only 1000 items.</p>*/",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the
value specified is greater than 1000, we return only 1000 items.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return Returns a reference to this object so that method calls can be chained together.*/
     "variable" : {
         "variableDeclarationType" : "Integer",
         "variableName" : "maxResults",
         "variableType" : "Integer",
         "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.",
         "simpleType" : "Integer",
         "variableSetterType" : "Integer"
     },
     "xmlNameSpaceUri" : null,
     "NextToken" : {
         "c2jName" : "NextToken",
         "c2jShape" : "String",
         "deprecated" : false,
         "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
         "enumType" : null,
         "fluentSetterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
         "fluentSetterMethodName" : "withNextToken",
         "getterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
         "getterMethodName" : "getNextToken",
         "getterModel" : {
             "returnType" : "String",
             "documentation" : null
         },
         "http" : {
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             "additionalUnmarshallingPath" : null,
             "flattened" : false,
             "greedy" : false,
             "header" : false,
             "isPayload" : false,
             "isStreaming" : false,
             "location" : null,
             "marshallingLocationName" : "NextToken",
             "queryString" : false,
             "statusCode" : false,
             "unmarshallingLocationName" : "NextToken",
             "uriPath" : null
         }
     }
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
(param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.#/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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 "xmlNameSpaceUri" : null,
 "PrefixListIds" : {
 "c2jName" : "PrefixListIds",
 "c2jShape" : "ValueStringList",
 "deprecated" : false,
 "documentation" : "<p>One or more prefix list IDs.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>One or more prefix list IDs.</p>
@param prefixListIds One or more prefix list IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPrefixListIds",
 "getterDocumentation" : "/**<p>One or more prefix list IDs.</p>
@return One or more prefix list IDs.
"getterMethodName" : "getPrefixListIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**
 One or more prefix list IDs.
 */
@param prefixListIds One or more prefix list IDs."

"setterMethodName" : "setPrefixListIds",

"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "prefixListIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**
 One or more prefix list IDs.
 <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
 @link #setPrefixListIds(java.util.Collection)} or {
 @link #withPrefixListIds(java.util.Collection)} if you want to override the existing values.
 </p>
 @param prefixListIds One or more prefix list IDs.
 @return Returns a reference to this object so that method calls can be chained together.*/
",

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "prefixListIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more prefix list IDs.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  },

  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
  "shapeName" : "DescribePrefixListsRequest",
  "unmarshaller" : null,

  "variable" : {
    "variableDeclarationType" : "DescribePrefixListsRequest",
    "variableName" : "describePrefixListsRequest",
    "variableType" : "DescribePrefixListsRequest",
    "documentation" : null,
    "simpleType" : "DescribePrefixListsRequest",
    "variableSetterType" : "DescribePrefixListsRequest"
  },

  "wrapper" : false
},

"DescribePrefixListsResult" : {
  "c2jName" : "DescribePrefixListsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribePrefixLists.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "PrefixLists",
  "c2jShape" : "PrefixListSet",
  "deprecated" : false,
  "documentation" : "<p>All available prefix lists.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>All available prefix lists.</p>
  @param prefixLists All available prefix lists.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrefixLists",
  "getterDocumentation" : "/**<p>All available prefix lists.</p>
  @return All available prefix lists.*/",
  "getterMethodName" : "getPrefixLists",
  "getterModel" : {
    "returnType" : "java.util.List<PrefixList>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrefixListSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "prefixListSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {

"c2jName": "member",
"c2jShape": "PrefixList",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
 "returnType": "PrefixList",
 "documentation": null
},
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "Item",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "item",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "PrefixList",
 "variableName": "member",
 "variableType": "PrefixList",
 "documentation": "",
 "simpleType": "PrefixList",
 "variableSetterType": "PrefixList"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "PrefixList",
  "variableName": "member",
  "variableType": "PrefixList",
  "documentation": "",
  "simpleType": "PrefixList",
  "variableSetterType": "PrefixList"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "PrefixList",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "PrefixList",
"templateImplType": "com.amazonaws.internal.SdkInternalList<PrefixList>",
"templateType": "java.util.List<PrefixList>"
},
"map": false,
"mapModel": null,
"name": "PrefixLists",
"setterDocumentation": "/**<p>All available prefix lists.</p>
@param prefixLists All available prefix lists.*/",
"setterMethodName": "setPrefixLists",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixList>",
  "variableName": "prefixLists",
  "variableType": "java.util.List<PrefixList>",
  "documentation": "",
  "simpleType": "List<PrefixList>",
  "variableSetterType": "java.util.Collection<PrefixList>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>All available prefix lists.</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixList>",
  "variableName": "prefixLists",
  "variableType": "java.util.List<PrefixList>",
  "documentation": "",
  "simpleType": "List<PrefixList>",
  "variableSetterType": "java.util.Collection<PrefixList>"
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>\n\n@returns Returns a reference to this object so that method calls can be chained together.</returns>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>\n\n@returns The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>\n\n@returns The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/
",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrefixLists" : {
"c2jName" : "PrefixLists",
"c2jShape" : "PrefixListSet"}
"deprecated": false,
"documentation": "<p>All available prefix lists.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n* All available prefix lists.</p>\n* @param prefixLists All available prefix lists.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrefixLists",
"getterDocumentation": "/**\n* All available prefix lists.</p>\n* @return All available prefix lists.*/",
"getterMethodName": "getPrefixLists",
"getterModel": {
  "returnType": "java.util.List<PrefixList>",
  "documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrefixListSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "prefixListSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "PrefixList",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* All available prefix lists.</p>\n* @param member Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* All available prefix lists.</p>\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "PrefixList",
      "documentation": null
    }
  },
  "http": {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PrefixList",
  "variableName" : "member",
  "variableType" : "PrefixList",
  "documentation" : "",
  "simpleType" : "PrefixList",
  "variableSetterType" : "PrefixList"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PrefixList",
  "variableName" : "member",
  "variableType" : "PrefixList",
  "documentation" : "",
  "simpleType" : "PrefixList",
  "variableSetterType" : "PrefixList"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrefixList",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrefixList",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
"templateType" : "java.util.List<PrefixList>"
},
"map" : false,
"mapModel" : null,
"name" : "PrefixLists",
"setterDocumentation" : "/**
 * All available prefix lists.</p>
 * @param prefixLists All available prefix lists.*\n*/
,"setterMethodName" : "setPrefixLists",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
  "variableName" : "prefixLists",
  "variableType" : "java.util.List<PrefixList>",
  "documentation" : "",
  "simpleType" : "List<PrefixList>",
  "variableSetterType" : "java.util.Collection<PrefixList>" 
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * All available prefix lists.</p>
 * <b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setPrefixLists(java.util.Collection)\} or \{@link 
 #withPrefixLists(java.util.Collection)\} if you want to override the existing values.</p>
 * @param prefixLists All available prefix lists.
 * @return Returns a reference to this object so that method calls can be chained together.*\n*/
,"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixList>",
  "variableName" : "prefixLists",
  "variableType" : "java.util.List<PrefixList>",
  "documentation" : "<p>All available prefix lists.</p",
  "simpleType" : "List<PrefixList>",
  "variableSetterType" : "java.util.Collection<PrefixList>" 
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribePrefixListsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribePrefixListsResult",
  "variableName" : "describePrefixListsResult",
}
"variableType" : "DescribePrefixListsResult",
"documentation" : null,
"simpleType" : "DescribePrefixListsResult",
"variableSetterType" : "DescribePrefixListsResult"
},
"wrapper" : false
},
"DescribeRegionsRequest" : {
"c2jName" : "DescribeRegionsRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeRegions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeRegions",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [{
  "c2jName" : "RegionNames",
  "c2jShape" : "RegionNameStringList",
  "deprecated" : false,
  "documentation" : "The names of one or more regions.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The names of one or more regions.

@param regionNames The names of one or more regions.

@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "withRegionNames",
  "getterDocumentation" : "The names of one or more regions.

@return The names of one or more regions.
",
  "getterMethodName" : "getRegionNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
},

"variableType" : "DescribeRegionsRequest",
"documentation" : null,
"simpleType" : "DescribeRegionsRequest",
"variableSetterType" : "DescribeRegionsRequest"
},
"wrapper" : false
},
"DescribeRegionsRequest" : {
"c2jName" : "DescribeRegionsRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeRegions.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeRegions",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [{
  "c2jName" : "RegionNames",
  "c2jShape" : "RegionNameStringList",
  "deprecated" : false,
  "documentation" : "The names of one or more regions.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The names of one or more regions.

@param regionNames The names of one or more regions.

@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "withRegionNames",
  "getterDocumentation" : "The names of one or more regions.

@return The names of one or more regions.
",
  "getterMethodName" : "getRegionNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
},

"variableType" : "DescribeRegionsRequest",
"documentation" : null,
"simpleType" : "DescribeRegionsRequest",
"variableSetterType" : "DescribeRegionsRequest"
},
"wrapper" : false
},
"DescribeRegionsRequest" : {
"c2jName" : "DescribeRegionsRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeRegions.</p>",
"enums" : null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RegionName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RegionName",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
    * @param member in @return Returns a reference to this object so that
    * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n    * in @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "RegionName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "RegionName",
    "uri": false
  }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple" : true,
"varargSetterDocumentation" : "/**\n@returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "RegionName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RegionNames",
"setterDocumentation" : "/**<p>The names of one or more regions.</p>\n@param regionNames The names of one or more regions.*/"
"setterMethodName": "setRegionNames",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "regionNames",
  "variableType": "java.util.List<String>",
  "documentation": 
  "simple": false,
  "varargSetterDocumentation": "/**
   * The names of one or more regions.
   * <b>NOTE:</b> This method appends the values to the existing list (if any). Use
   * @link #setRegionNames(java.util.Collection) or
   * @link #withRegionNames(java.util.Collection) if you want to override
   * the existing values.
   * @param regionNames The names of one or more regions.
   * @return Returns a reference to this object so that method calls
   * can be chained together. */",
  "variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "regionNames",
    "variableType": "java.util.List<String>",
    "documentation": "<p>The names of one or more regions.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
    * @link #setRegionNames(java.util.Collection) or
    * @link #withRegionNames(java.util.Collection) if you want to override
    * the existing values.</p>
    * @param regionNames The names of one or more regions.
    * @return Returns a reference to this object so that method calls
    * can be chained together. */",
    "xmlNameSpaceUri": null,
  },
  "c2jName": "Filters",
  "c2jShape": "FilterList",
  "deprecated": false,
  "documentation": 
  "<p>One or more filters.</p> 
  <ul> 
    <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> 
    <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> 
  </ul>
  <p>@param filters One or more filters.</p>
  <ul> 
    <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> 
    <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> 
  </ul>
  <p>@return Returns a reference to this object so that method calls
  can be chained together. */
  "fluentSetterMethodName": "withFilters",
  "getterDocumentation": 
  "<p>One or more filters.</p> 
  <ul> 
    <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> 
    <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> 
  </ul>
  <p>@return Returns a reference to this object so that method calls
  can be chained together. */
  "getterMethodName": "getFilters",
  "getterModel": {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : "/**
\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"uri" : false
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>
*\</ul>

"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@param filters One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.">\</ul>

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
"
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
"elementName" : null}
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>). </p> </li> <li> <p> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>). </p> </li> </ul>
"elementName" : null}
endpoint of the region (for example, `<code>ec2.us-east-1.amazonaws.com</code>`).

\[<li><p><code>region-name</code> - The name of the region (for example, `<code>us-east-1</code>`).</p></li>

\[<ul>
\<li><p><code>endpoint</code> - The endpoint of the region (for example, `<code>ec2.us-east-1.amazonaws.com</code>`).
</p></li>

\[<li><p><code>region-name</code> - The name of the region (for example, `<code>us-east-1</code>`).
</p></li>

\[<ul>
\li><p><code>endpoint</code> - The endpoint of the region (for example, `<code>ec2.us-east-1.amazonaws.com</code>`).
</p></li>

\li><p><code>region-name</code> - The name of the region (for example, `<code>us-east-1</code>`).
</p></li>

\li><p><code>return</code> Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "/**
\[<li><p><code>endpoint</code> - The endpoint of the region (for example, `<code>ec2.us-east-1.amazonaws.com</code>`).
</p></li>

\li><p><code>region-name</code> - The name of the region (for example, `<code>us-east-1</code>`).
</p></li>

\li><p><code>return</code> Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "getFilters",

"getterModel" : {

"returnType" : "java.util.List<Filter>",

"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "Filter",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "Filter",

"uri" : false
}

"idempotencyToken" : false,

"list" : true,

"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",

"interfaceType" : "java.util.List",

"listMemberModel" : {

"c2jName" : "member",

"c2jShape" : "Filter",

"deprecated" : false,

"documentation" : "",

"enumType" : null,

"fluentSetterDocumentation" : "/**
\[<li><p><code>member</code> Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withMember",

"getterDocumentation" : "/**
\[<li><p><code>return"
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
One or more filters.
<ul>
<li> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</li>
<li> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>{@link #setFilters(java.util.Collection)}</code> or <code>{@link #withFilters(java.util.Collection)}</code> if you want to override the existing values.</p>
<p><b>Return</b> Returns a reference to this object so that method calls can be chained together.</p>
*/",
"setterMethodName": "setFilters",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "/**
One or more filters.
<ul>
<li> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</li>
<li> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>{@link #setFilters(java.util.Collection)}</code> or <code>{@link #withFilters(java.util.Collection)}</code> if you want to override the existing values.</p>
<p><b>Return</b> Returns a reference to this object so that method calls can be chained together.</p>
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "<p>One or more filters.</p>
<ul>
<li> <code>endpoint</code> - The endpoint of the region (for example, <code>ec2.us-east-1.amazonaws.com</code>).</li>
<li> <code>region-name</code> - The name of the region (for example, <code>us-east-1</code>).</li>
</ul>"
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
},
"xmlNameSpaceUri" : null
},
"RegionNames" : {
"c2jName" : "RegionNames",
"c2jShape" : "RegionNameStringList",
"deprecated" : false,
"documentation" : "<p>The names of one or more regions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The names of one or more regions.</p>
@param regionNames The names of one or more regions.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRegionNames",
"getterDocumentation" : "/**<p>The names of one or more regions.</p>
@return The names of one or more regions.</param>
*/",
"getterMethodName" : "getRegionNames",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RegionName",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "RegionName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": ""
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "RegionName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RegionNames",
"setterDocumentation" : "/**\n<p>The names of one or more regions.</p>
@param regionNames The names of one or more regions.*\n\*/",
"setterMethodName" : "setRegionNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "regionNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The names of one or more regions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setRegionNames(java.util.Collection)} or { @link #withRegionNames(java.util.Collection)} if you want to override the existing values.\n\n@param regionNames The names of one or more regions.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "regionNames",
"variableType" : "java.util.List<String>",
"documentation" : "\n<p>The names of one or more regions.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeRegionsRequest",
"unmarshaller" : null,
"variable" : {
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    "variableName" : "describeRegionsRequest",
    "variableType" : "DescribeRegionsRequest",
    "documentation" : null,
    "simpleType" : "DescribeRegionsRequest",
    "variableSetterType" : "DescribeRegionsRequest"
},
"wrapper" : false
},
"DescribeRegionsResult" : {
    "c2jName" : "DescribeRegionsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeRegions.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {"c2jName" : "Regions",
         "c2jShape" : "RegionList",
         "deprecated" : false,
         "documentation" : "<p>Information about one or more regions.</p>",
         "enumType" : null,
         "fluentSetterDocumentation" : "/**<p>Information about one or more regions.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
         "fluentSetterMethodName" : "withRegions",
         "getterDocumentation" : "/**<p>Information about one or more regions.</p>\n@returns Information about one or more regions.*/",
         "getterMethodName" : "getRegions",
         "getterModel" : {
             "returnType" : "java.util.List<Region>",
             "documentation" : null
         }
     }
    ]
}
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Region",
  "variableName": "member",
  "variableType": "Region",
  "documentation": "",
  "simpleType": "Region",
  "variableSetterType": "Region"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Region",
  "variableName": "member",
  "variableType": "Region",
  "documentation": "",
  "simpleType": "Region",
  "variableSetterType": "Region"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Region",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Region",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Region>",
"templateType": "java.util.List<Region>"
},
"map": false,
"mapModel": null,
"name": "Regions",
"setterDocumentation": "/**<p>Information about one or more regions.</p>
@param regions Information"
about one or more regions.*/",
"setterMethodName" : "setRegions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
  "variableName" : "regions",
  "variableType" : "java.util.List<Region>",
  "documentation" : "",
  "simpleType" : "List<Region>",
  "variableSetterType" : "java.util.Collection<Region>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more regions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRegions(java.util.Collection)} or {@link #withRegions(java.util.Collection)} if you want to override the existing values.</p>
@param regions Information about one or more regions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
  "variableName" : "regions",
  "variableType" : "java.util.List<Region>",
  "documentation" : "<p>Information about one or more regions.</p>",
  "simpleType" : "List<Region>",
  "variableSetterType" : "java.util.Collection<Region>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Regions" : {
    "c2jName" : "Regions",
    "c2jShape" : "RegionList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more regions.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more regions.</p>
@param regions Information about one or more regions.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRegions",
    "getterDocumentation" : "/**<p>Information about one or more regions.</p>
@return Information about one or more regions.\n*/",
    "getterMethodName" : "getRegions",
    "getterModel" : {
      "returnType" : "java.util.List<Region>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
.unmarshallLocationName" : "regionInfo",
"uri" : false
},
.idempotencyToken" : false,
"list" : true,
"listModel" : {
.implType" : "com.amazonaws.internal.SdkInternalList",
.interfaceType" : "java.util.List",
.listMemberModel" : {
.c2jName" : "member",
.c2jShape" : "Region",
.deprecated" : false,
.documentation" : ",
.enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
.returnType" : "Region",
.documentation" : null
},
.http" : {
.additionalMarshallingPath" : null,
.additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
.marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
.unmarshallLocationName" : "item",
"uri" : false
},
.idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Region",
  "variableName" : "member",
  "variableType" : "Region",
  "documentation" : "",
  "simpleType" : "Region",
  "variableSetterType" : "Region"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Region",
  "variableName" : "member",
  "variableType" : "Region",
  "documentation" : "",
  "simpleType" : "Region",
  "variableSetterType" : "Region"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "Region",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Region",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Region>",
"templateType" : "java.util.List<Region>"
},
"map" : false,
"mapModel" : null,
"name" : "Regions",
"setterDocumentation" : "/**
@param regions Information about one or more regions.
@return Information about one or more regions.*/",
"setterMethodName" : "setRegions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Region>",
  "variableName" : "regions"
This method appends the values to the existing list (if any). Use [link #setRegions(java.util.Collection)] or [link #withRegions(java.util.Collection)] if you want to override the existing values.

Information about one or more regions.

Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeReservedInstancesListings.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "DescribeReservedInstancesListings",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
},
"members" : [ {
 "c2jName" : "ReservedInstancesId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>One or more Reserved Instance IDs.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
 @param reservedInstancesId
 One or more Reserved Instance IDs.
 @return Returns a reference to this object so that method calls can be chained
together.*/",
 "fluentSetterMethodName" : "withReservedInstancesId",
 "getterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p>
 @return One or more Reserved Instance IDs.*/",
 "getterMethodName" : "getReservedInstancesId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ReservedInstancesId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "reservedInstancesId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>One or more Reserved Instance IDs.<p>@param reservedInstancesId One or more Reserved Instance IDs.*"",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.<p>@param reservedInstancesId One or more Reserved Instance IDs.<@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "<p>One or more Reserved Instance IDs.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ReservedInstancesListingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance listing IDs.<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.<p>@param reservedInstancesListingId One or more Reserved Instance listing IDs.<@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withReservedInstancesListingId",
  "getterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.<p>@return One or more Reserved Instance listing IDs.*"",
  "getterMethodName" : "getReservedInstancesListingId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.</param>*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>One or more Reserved Instance listing IDs.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
"documentation" : 
"enumType" : null,
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withFilters",
*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/** @param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/** @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Filter",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "ListModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/** @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "Filter",
      "variableName": "member",
      "variableType": "Filter",
      "documentation": "",
      "simpleType": "Filter"}
"variableSetterType" : "Filter",
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"simple": false,
"varargSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link
#withFilters(java.util.Collection)] if you want to override the existing values. </p><ul><li>@param filters One or more filters. </li>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>
</p>
<ul>

\(@return Returns a reference to this object so that method calls can be chained together."/\)

"variable": {

  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>

</p>
</ul>

"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>",
"
"namespaceUri": null
},
"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>

</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>

</p>
"namespaceUri": null
},
"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>

</p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances. </p> </li>
<li> <p> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing. </p> </li>
<li> <p> <code>status-message</code> - The reason for the status. </p> </li>
</ul>

</p>
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls
  can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNamespaceUri" : null
}
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul>
<li>&lt;code>reserved-instances-id</code> - The ID of the Reserved Instances.</li>
<li>&lt;code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing.</li>
<li>&lt;code>status</code> - The status of the Reserved Instance listing.</li>
<li>&lt;code>status-message</code> - The reason for the status.</li>
</ul>
@param filters One or more filters.</p> <ul>
<li><code>reserved-instances-id</code> - The ID of the Reserved Instances.</li>
<li><code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing.</li>
<li><code>status</code> - The status of the Reserved Instance listing.</li>
<li><code>status-message</code> - The reason for the status.</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together."*/
",
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>
",
  "simple": false,
  "varargSetterDocumentation": "/**<p>One or more filters.</p> <ul>
<li><code>reserved-instances-id</code> - The ID of the Reserved Instances.</li>
<li><code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing.</li>
<li><code>status</code> - The status of the Reserved Instance listing.</li>
<li><code>status-message</code> - The reason for the status.</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/
",
"variable": {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.\n<li> <code>reserved-instances-id</code> - The ID of the Reserved Instances.\n<li> <code>reserved-instances-listing-id</code> - The ID of the Reserved Instances listing.\n<li> <code>status</code> - The status of the Reserved Instance listing (<code>pending</code> | <code>active</code> | <code>cancelled</code> | <code>closed</code>).\n<li> <code>status-message</code> - The reason for the status.\n</ul>",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesId" : {
"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>One or more Reserved Instance IDs.\n</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "/**<p>One or more Reserved Instance IDs.\n@return One or more Reserved Instance IDs.*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**\n * One or more Reserved Instance IDs.
 */
@param reservedInstancesId One or more Reserved Instance IDs.*\n",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "reservedInstancesId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * One or more Reserved Instance IDs.
 */
@param reservedInstancesListingId One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "reservedInstancesId",
 "variableType" : "String",
 "documentation" : "One or more Reserved Instance IDs.*\n",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesListingId" : {
 "c2jName" : "ReservedInstancesListingId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "One or more Reserved Instance listing IDs.*\n",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * One or more Reserved Instance listing IDs.
 */
@param reservedInstancesListingId One or more Reserved Instance listing IDs.
@return Returns a reference to this object so that method calls can be chained together.*\n",
 "fluentSetterMethodName" : "withReservedInstancesListingId",
 "getterDocumentation" : "/**\n * One or more Reserved Instance listing IDs.
 */
@param reservedInstancesListingId One or more Reserved Instance listing IDs.
@return One or more Reserved Instance listing IDs.*\n",
 "getterMethodName" : "getReservedInstancesListingId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance listing IDs.</p>
@param reservedInstancesListingId One or more Reserved Instance listing IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : "<p>One or more Reserved Instance listing IDs.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesListingsRequest"
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeReservedInstancesListingsRequest",
    "variableName" : "describeReservedInstancesListingsRequest",
    "variableType" : "DescribeReservedInstancesListingsRequest",
    "documentation" : null,
    "simpleType" : "DescribeReservedInstancesListingsRequest",
    "variableSetterType" : "DescribeReservedInstancesListingsRequest"
},
"wrapper" : false,
},
"DescribeReservedInstancesListingsResult" : {
    "c2jName" : "DescribeReservedInstancesListingsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeReservedInstancesListings.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : {
        "c2jName" : "ReservedInstancesListings",
        "c2jShape" : "ReservedInstancesListingList",
        "deprecated" : false,
        "documentation" : "<p>Information about the Reserved Instance listing.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Information about the Reserved Instance listing.</p>
\n@param reservedInstancesListings Information about the Reserved Instance listing.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withReservedInstancesListings",
        "getterDocumentation" : "/**<p>Information about the Reserved Instance listing.</p>
\n@return Information about the Reserved Instance listing.*/",
        "getterMethodName" : "getReservedInstancesListings",
        "getterModel" : {
            "returnType" : "java.util.List<ReservedInstancesListing>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
        },
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesListingsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesListingsSet",
"uri" : false,}

",
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesListing",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     @param member \n     @return Returns a reference to this object so that
     method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     @return \n     */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesListing",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
  }
}
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**<p>Information about the Reserved Instance listing.</p>
@param reservedInstancesListings Information about the Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>"
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "member",
  "variableType" : "ReservedInstancesListing",
  "documentation" : "",
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesListing",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesListing",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
"templateType" : "java.util.List<ReservedInstancesListing>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListings",
"setterDocumentation" : "/**\n<p>Information about the Reserved Instance listing.</p>
@param reservedInstancesListings Information about the Reserved Instance listing.</n>/**",
"setterMethodName" : "setReservedInstancesListings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
  "variableName" : "reservedInstancesListings",
  "variableType" : "java.util.List<ReservedInstancesListing>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesListing>"}
"variableSetterType": "java.util.Collection<ReservedInstancesListing>",
"simple": false,
"varargSetterDocumentation": "/**
   * Information about the Reserved Instance listing.
   * NOTE: This method appends the values to the existing list (if any). Use @link #setReservedInstancesListings(java.util.Collection) or @link #withReservedInstancesListings(java.util.Collection) if you want to override the existing values.
   *
   * @param reservedInstancesListings Information about the Reserved Instance listing.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
"variable": {
   "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesListing>",
   "variableName": "reservedInstancesListings",
   "variableType": "java.util.List<ReservedInstancesListing>",
   "documentation": "Information about the Reserved Instance listing.
   *
   * @param reservedInstancesListings Information about the Reserved Instance listing.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
   "xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeReservedInstancesListingsResult",
"unmarshaller": {
   "flattened": false,
   "resultWrapper": null
},
"variable": {
   "variableDeclarationType": "DescribeReservedInstancesListingsResult",
   "variableName": "describeReservedInstancesListingsResult",
   "variableType": "DescribeReservedInstancesListingsResult",
   "documentation": null,
   "simpleType": "DescribeReservedInstancesListingsResult",
   "variableSetterType": "java.util.Collection<ReservedInstancesListing>"
},
"wrapper": false
},
"DescribeReservedInstancesModificationsRequest": {
   "c2jName": "DescribeReservedInstancesModificationsRequest",
   "customization": {
      "artificialResultWrapper": null,
      "skipGeneratingMarshaller": false,
      "skipGeneratingModelClass": false,
      "skipGeneratingUnmarshaller": false
   },
   "deprecated": false,
   "documentation": "<p>Contains the parameters for DescribeReservedInstancesModifications.</p>"
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeReservedInstancesModifications",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members" : [
  {
    "c2jName" : "ReservedInstancesModificationIds",
    "c2jShape" : "ReservedInstancesModificationIdStringList",
    "deprecated" : false,
    "documentation" : "<p>IDs for the submitted modification request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@param
reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this
object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesModificationIds",
    "getterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@return IDs for the
submitted modification request.*/",
    "getterMethodName" : "getReservedInstancesModificationIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesModificationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ReservedInstancesModificationId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ""
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   *param member
   *return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   *@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesModificationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesModificationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   *@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : ""
  },
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "ReservedInstancesModificationId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstancesModificationIds",
"setterDocumentation": "/**<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.*/
@link #setReservedInstancesModificationIds(java.util.Collection) or @link #withReservedInstancesModificationIds(java.util.Collection) if you want to override the existing values.
@link #getReservedInstancesModificationIds() to get the modified collection.*/

This method appends the values to the existing list (if any). Use { @link #setReservedInstancesModificationIds(java.util.Collection) } or { @link #withReservedInstancesModificationIds(java.util.Collection) } if you want to override the existing values.

@link #getReservedInstancesModificationIds()

Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reservedInstancesModificationIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
"},
"simple": false,
"varargSetterDocumentation": "/**<p>IDs for the submitted modification request.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstancesModificationIds(java.util.Collection) } or { @link #withReservedInstancesModificationIds(java.util.Collection) } if you want to override the existing values.</p>
@link #getReservedInstancesModificationIds() to get the modified collection.*/

Returns a reference to this object so that method calls can be chained together.*/
,"variable": {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesModificationIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>IDs for the submitted modification request.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}, }
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
   * The token to retrieve the next page of results.
   *
   * @param nextToken
   * @return Returns a reference to this object so that method calls can be
   * chained together.*
   */",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**
   * The token to retrieve the next page of results.
   *
   * @return The token to retrieve the next page of results.
   */",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
   * The token to retrieve the next page of results.
   *
   * @param nextToken
   * @return The token to retrieve the next page of results.
   */",}
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
@param nextToken
The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to retrieve the next page of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>. The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>). The ID of the Reserved Instances modified.</p> </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances modification request. The ID of the modification request.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request ( <code>fulfilled</code> | <code>failed</code>). The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> "..."
<code>client-token</code> - The idempotency token for the modification request.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>).

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>reserved-instances-id</code> - The ID of the Reserved Instances modified.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>reserved-instances-modification-id</code> - The ID of the modification request.

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).

<code>create-date</code> - The time when the modification request was created.

<code>effective-date</code> - The time when the modification becomes effective.

<code>status-message</code> - The reason for the status.

<code>update-date</code> - The time when the modification request was last updated.

<code>getterMethodName</code>: "getFilters"

<code>getterModel</code>: {
  "returnType": "java.util.List<Filter>",
  "documentation": null
},

"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},

"idempotencyToken": false,

"list": true,

"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n*param member \n*return Returns a reference to this object so that
method calls can be chained together.*"],
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
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"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*"],
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter"
"variableSetterType" : "Filter",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.
</li><ul>
<li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>create-date</code> - The time when the modification becomes effective.
</li></ul>
</ul>
@param filters One or more filters.</param>
id</code> - The ID of the modification request.</li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>). </p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> */

setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>. </p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>). </p> </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li> <li> <p> <code>reserved-instances-modification-id</code> - The ID of the modification request.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>). </p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

@link <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p> </li> <li> <p> <code>reserved-instances-modification-id</code> - The ID of the modification request.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>). </p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul>
</div>

### Examples

**Java**

```java
// Create and set filters
ReservedInstancesModificationRequest.ModificationFilters filters = new ReservedInstancesModificationRequest.ModificationFilters();
filters.withClientToken("my-client-token").withCreateDate(new Date()).withEffectiveDate(new Date());
```

**Python**

```python
# Create and set filters
filters = ReservedInstancesModificationRequest.ModificationFilters()
filters.client_token = "my-client-token"
filters.create_date = datetime.datetime.now()
filters.effective_date = datetime.datetime.now()
```

### See Also

- [ReservedInstancesModificationRequest](#)
  - setFilters
  - withFilters

### Version 1.0.0

This method was added in version 1.0.0 of the API.
<p><code>update-date</code> - The time when the modification request was last updated.</p> <li>@return</li> "variable": { "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>", "variableName": "filters", "variableType": "java.util.List<Filter>", "documentation": "<p>One or more filters.</p> <ul> <li><code>client-token</code> - The idempotency token for the modification request.</li> <li><code>create-date</code> - The time when the modification request was created.</li> <li><code>effective-date</code> - The time when the modification becomes effective.</li> <li><code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is set to <code>fulfilled</code>.</li> <li><code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</li> <li><code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</li> <li><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</li> <li><code>reserved-instances-modification-id</code> - The ID of the modification request.</li> <li><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</li> <li><code>status-message</code> - The reason for the status.</li> <li><code>update-date</code> - The time when the modification request was last updated.</li> </ul>"simpleType": "List<Filter>", "variableSetterType": "java.util.Collection<Filter>"}, "xmlnsNameSpaceUri": null }, "membersAsMap": { "Filters": { "c2jName": "Filters", "c2jShape": "FilterList", "deprecated": false, "documentation": "<p>One or more filters.</p> <ul> <li><code>client-token</code> - The idempotency token for the modification request.</li> <li><code>create-date</code> - The time when the modification request was created.</li> <li><code>effective-date</code> - The time when the modification becomes effective.</li> <li><code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is set to <code>fulfilled</code>.</li> <li><code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</li> <li><code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</li> <li><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</li> <li><code>reserved-instances-modification-id</code> - The ID of the modification request.</li> <li><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</li> <li><code>status-message</code> - The reason for the status.</li> <li><code>update-date</code> - The time when the modification request was last updated.</li> </ul>"simpleType": "List<Filter>", "variableSetterType": "java.util.Collection<Filter>"}, "xmlnsNameSpaceUri": null }];
the status.</p> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> 
</ul> 

"enumType" : null, 

"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> </ul> <p>@return Returns a reference to this object so that method calls can be chained together.</p>
*/", 

"fluentSetterMethodName" : "withFilters", 

"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>client-token</code> - The idempotency token for the modification request.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li>
configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPCE</code>).  
</p>  
<li><p><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p></li>  
<li><p><code>reserved-instances-modification-id</code> - The ID of the modification request.</p></li>  
<li><p><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>). </p></li>  
<li><p><code>status-message</code> - The reason for the status.</p></li>  
<li><p><code>update-date</code> - The time when the modification request was last updated.</p></li>  
<li><p><code>client-token</code> - The idempotency token for the modification request.</p></li>  
<li><p><code>create-date</code> - The time when the modification request was created.</p></li>  
<li><p><code>effective-date</code> - The time when the modification becomes effective.</p></li>  
<li><p><code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p></li>  
<li><p><code>modifier-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p></li>  
<li><p><code>modifier-configuration.instance-count</code> - The number of new Reserved Instances.</p></li>  
<li><p><code>modifier-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p></li>  
<li><p><code>modifier-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPCE</code>). </p></li>  
<li><p><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</p></li>  
<li><p><code>reserved-instances-modification-id</code> - The ID of the modification request.</p></li>  
<li><p><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p></li>  
<li><p><code>status-message</code> - The reason for the status.</p></li>  
<li><p><code>update-date</code> - The time when the modification request was last updated.</p></li>  
</ul>*/

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  "greedy" : false,
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  "uri" : false
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  "interfaceType" : "java.util.List"
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    "c2jShape" : "Filter",
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    "documentation" : "",
    "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return */",
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
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        "marshallLocationName" : "Filter",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Filter",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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    "setterDocumentation" : "/**\n@param member */",
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        "variableName" : "member",
        "variableType" : "Filter",
        "documentation" : "",
        "simpleType" : "Filter",
        "variableSetterType" : "Filter"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*”,

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  "variableName" : "member",
  "variableType" : "Filter",
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  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
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},
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Filter>",
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"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul>
<li> <code>client-token</code> - The idempotency token for the modification request.</li>
<li> <code>create-date</code> - The time when the modification request was created.</li>
<li> <code>effective-date</code> - The time when the modification becomes effective.</li>
<li> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</li>
<li> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</li>
<li> <code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</li>
<li> <code>reserved-instances-modification-id</code> - The ID of the modification request.</li>
<li> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>). </li>
<li> <code>status-message</code> - The reason for the status.</li>
<li> <code>update-date</code> - The time when the modification request was last updated.</li>
<li> <code>client-token</code> - The idempotency token for the modification request.</li>
<li> <code>create-date</code> - The time when the modification request was created.</li>
<li> <code>effective-date</code> - The time when the modification becomes effective.</li>
<li> <code>modification-result.reserved-instances-id</code> - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>. </li>
</ul>
@param filters One or more filters."
configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> <li> <p> <code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>).</p> </li> <li> <p> <code>modification-result.target-configuration.availability-zone</code> - The Availability Zone for the new Reserved Instances.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is <code>fulfilled</code>.</p> </li> <li> <p> <code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li>
@return
Returns a reference to this object so that method calls can be chained together.*/

"variable": {
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  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "One or more filters.",
  "code": "client-token"
} - The idempotency token for the modification request.</p> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li> <li> <p> <code>create-date</code> - The time when the modification request was created.</p> </li> <li> <p> <code>effective-date</code> - The time when the modification becomes effective.</p> </li> <li> <p> <code>update-date</code> - The time when the modification request was last updated.</p> </li> <li> <p> <code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</p> </li> <li> <p> <code>status-message</code> - The reason for the status.</p> </li>
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"isStreaming" : false,
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"uri" : false
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"list" : false,
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"map" : false,
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"name" : "NextToken",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The token to retrieve the next page of results.</p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "nextToken",
"variableType" : "String",
"documentation" : ""<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"ReservedInstancesModificationIds" : {
 "c2jName" : "ReservedInstancesModificationIds",
 "c2jShape" : "ReservedInstancesModificationIdStringList",
 "deprecated" : false,
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 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
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reservedInstancesModificationIds
IDs for the submitted modification request.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
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 "getterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@return
IDs for the submitted modification request.*/",
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 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "ReservedInstancesModificationId",
 "uri" : false
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 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@returns
Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesModificationId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationIds",
"setterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.*/",
"setterMethodName" : "setReservedInstancesModificationIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesModificationIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>IDs for the submitted modification request.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
setReservedInstancesModificationIds(java.util.Collection)} or { @link 
withReservedInstancesModificationIds(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstancesModificationIds IDs for the submitted modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesModificationIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>IDs for the submitted modification request.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
"required" : null,
"shapeName" : "DescribeReservedInstancesModificationsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesModificationsRequest",
  "variableName" : "describeReservedInstancesModificationsRequest",
  "variableType" : "DescribeReservedInstancesModificationsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesModificationsRequest",
  "variableSetterType" : "DescribeReservedInstancesModificationsRequest"
},
"wrapper" : false
},
"DescribeReservedInstancesModificationsResult" : {
  "c2jName" : "DescribeReservedInstancesModificationsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeReservedInstancesModifications.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "ReservedInstancesModifications",
     "c2jShape" : "ReservedInstancesModificationList",
     "deprecated" : false,
     "documentation" : "<p>The Reserved Instance modification information.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**\n@<named>reservedInstancesModifications</named>\nThe Reserved Instance modification information.\n\n@returns A reference to this object so that method calls can be chained together.*/",
     "fluentSetterMethodName" : "withReservedInstancesModifications",
     "getterDocumentation" : "/**\n@returns The Reserved Instance modification information.*/",
     "getterMethodName" : "getReservedInstancesModifications",
     "getterModel" : {
       "returnType" : "java.util.List<ReservedInstancesModification>",
       "documentation" : null
     },
     "http" : {
  },
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
.marshallLocationName" : "ReservedInstancesModificationsSet",
"queryString" : false,
"statusCode" : false,
.unmarshallLocationName" : "reservedInstancesModificationsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {

.implType" : "com.amazonaws.internal.SdkInternalList",

.interfaceType" : "java.util.List",

.listMemberModel" : {

.c2jName" : "member",

.c2jShape" : "ReservedInstancesModification",

.deprecated" : false,

.documentation" : "",

.enumType" : null,

.fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that 
method calls can be chained together.*/",

.fluentSetterMethodName" : "withMember",

.getterDocumentation" : "/**\n@\nreturn */",

.getterMethodName" : "getMember",

.getterModel" : {

.returnType" : "ReservedInstancesModification",

.documentation" : null
}
},

.http" : {

.additionalMarshallingPath" : null,

.additionalUnmarshallingPath" : null,

.flattened" : false,

.greedy" : false,

.header" : false,

.isPayload" : false,

.isStreaming" : false,

.location" : null,

.marshallLocationName" : "Item",

.queryString" : false,

.statusCode" : false,

.unmarshallLocationName" : "item",

.uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesModification",
  "variableName" : "member",
  "variableType" : "ReservedInstancesModification",
  "documentation" : "",
  "simpleType" : "ReservedInstancesModification",
  "variableSetterType" : "ReservedInstancesModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesModification",
  "variableName" : "member",
  "variableType" : "ReservedInstancesModification",
  "documentation" : "",
  "simpleType" : "ReservedInstancesModification",
  "variableSetterType" : "ReservedInstancesModification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesModification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
"templateType" : "java.util.List<ReservedInstancesModification>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModifications",
"setterDocumentation" : "/**<p>The Reserved Instance modification information.</p>
@param reservedInstancesModifications The Reserved Instance modification information.</p>
@param reservedInstancesModifications The Reserved Instance modification information. */",
"setterMethodName" : "setReservedInstancesModifications"
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token to use to retrieve the next page of results. This value is null when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is null when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token to use to retrieve the next page of results. This value is null when there are no more results to return.

      @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
]
",
"membersAsMap": {
  "NextToken": {
    "c2jName": "NextToken",
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    "c2jName": "NextToken",
  }
  "NextToken": {
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return
Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@return
Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : ""
"simpleType": "String",
"variableSetterType": "String"
],
"simple": true,
"varargSetterDocumentation": "/**\n<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ReservedInstancesModifications": {
"c2jName": "ReservedInstancesModifications",
"c2jShape": "ReservedInstancesModificationList",
"deprecated": false,
"documentation": "<p>The Reserved Instance modification information.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The Reserved Instance modification information.</p>\n@param reservedInstancesModifications The Reserved Instance modification information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReservedInstancesModifications",
"getterDocumentation": "/**\n<p>The Reserved Instance modification information.</p>\n@return The Reserved Instance modification information.</p>",
"getterMethodName": "getReservedInstancesModifications",
"getterModel": {
"returnType": "java.util.List<ReservedInstancesModification>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesModificationsSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "reservedInstancesModificationsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "ReservedInstancesModification",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
   "returnType" : "ReservedInstancesModification",
   "documentation" : null
  },
  "http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
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   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "item",
   "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
   "variableDeclarationType" : "ReservedInstancesModification",
  }
  },
  "http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Item",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "item",
   "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
   "variableDeclarationType" : "ReservedInstancesModification",
  }
  }
  },
#setReservedInstancesModifications(java.util.Collection)} or {@link
#withReservedInstancesModifications(java.util.Collection)} if you want to override the existing
values. </p>

@returns{returns

Returns a reference to this object so that method calls can be chained together. */

    "variable": {
        "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesModification>",
        "variableName": "reservedInstancesModifications",
        "variableType": "java.util.List<ReservedInstancesModification>",
        "documentation": "<p>The Reserved Instance modification information.</p>

    },

    "xmlNameSpaceUri": null
    }
},

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeReservedInstancesModificationsResult",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},

    "variable": {
        "variableDeclarationType": "DescribeReservedInstancesModificationsResult",
        "variableName": "describeReservedInstancesModificationsResult",
        "variableType": "DescribeReservedInstancesModificationsResult",
        "documentation": null,
        "simpleType": "List<ReservedInstancesModification>",
        "variableSetterType": "java.util.Collection<ReservedInstancesModification>"
    },

    "wrapper": false
},

"DescribeReservedInstancesOfferingsRequest": {
    "c2jName": "DescribeReservedInstancesOfferingsRequest",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "<p>Contains the parameters for DescribeReservedInstancesOfferings.</p>",
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
    "variable": {
        "variableDeclarationType": "DescribeReservedInstancesOfferingsRequest",
        "variableName": "describeReservedInstancesOfferingsRequest",
        "variableType": "DescribeReservedInstancesOfferingsRequest",
        "documentation": null,
        "simpleType": "DescribeReservedInstancesOfferingsRequest",
        "variableSetterType": "DescribeReservedInstancesOfferingsRequest"
    },
    "wrapper": false
}

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"hasStreamingMember": false,
"marshaller": {
"action": "DescribeReservedInstancesOfferings",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
"c2jName": "ReservedInstancesOfferingIds",
"c2jShape": "ReservedInstancesOfferingIdStringList",
"deprecated": false,
"documentation": "<p>One or more Reserved Instances offering IDs.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more Reserved Instances offering IDs.</p>*/
@param
reservedInstancesOfferingIds One or more Reserved Instances offering IDs
@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName": "withReservedInstancesOfferingIds",
"getterDocumentation": "/**<p>One or more Reserved Instances offering IDs.</p>*/
@return One or more Reserved Instances offering IDs.*",
"getterMethodName": "getReservedInstancesOfferingIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesOfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedInstancesOfferingId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "ReservedInstancesOfferingId",
"documentation": "<p>One or more Reserved Instances offering IDs.</p>",
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesOfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedInstancesOfferingId",
"uri": false
},

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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
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"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingIds",
"setterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.*/",
"setterMethodName" : "setReservedInstancesOfferingIds",
"setterModel" : {
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"variableName" : "reservedInstancesOfferingIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link 
#setReservedInstancesOfferingIds(java.util.Collection) \} or \{ @link 
#withReservedInstancesOfferingIds(java.util.Collection) \} if you want to override the existing values.\n\n@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "reservedInstancesOfferingIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Reserved Instances offering IDs.</p",
"simpleType" : "List<String>"
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"xmlNameSpaceUri" : null
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"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.",
"getterDocumentation" : "The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide.",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceType",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@see InstanceType*/",
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"setterModel" : {
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  "variableName" : "instanceType",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@param instanceType The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
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  "variableType" : "String",
  "documentation" : "<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
  
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>
@\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>
@\n@return The Availability Zone in which the Reserved Instance can be used.*/",
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"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZone",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>
@\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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used.</p>
@\n@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",null,
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"fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
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"getterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@return The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
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    "greedy" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProductDescription",
    "uri" : false
},
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"list" : false,
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"map": false,
"mapModel": null,
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"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
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"simpleType": "String",
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},
"xmlNameSpaceUri": null
},
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"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
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<li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
</li> <li> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </li> <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </li> <li> <code>instance-type</code> - The instance type that is covered by the reservation. </li> <li> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </li> <li> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. </li> <li> <code>SUSE Linux/UNIX</code> </li> 
</ul>
Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | 
|<code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | 
|<code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | 
|<code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | &lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;reserved-instances-offering-id</code> - The Reserved Instances offering ID.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;scope</code> - The scope of the Reserved Instance (Availability Zone or Region).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;",

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    "fluentSetterDocumentation": "/**<p>One or more filters.</p> <ul>
  <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (31536000).</p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>instance-type</code> - The instance type that is covered by the reservation.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>marketplace</code> - Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>scope</code> - The scope of the Reserved Instance (Availability Zone or Region).&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).&lt;/p&gt; &lt;/li&gt; &lt;/ul>

    @param filters One or more filters.&lt;/p&gt; &lt;/ul&gt;"
@return Returns a reference to this object so that method calls can be chained together.

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"getterDocumentation" : "/**
 * One or more filters.
 * <ul>
 * <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
 * </li>
 * <li> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (</li>
 * <code>31536000</code> | <code>94608000</code>).<p> </li>
 * <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).<p> </li>
 * <li> <code>instance-type</code> - The instance type that is covered by the reservation.<p> </li>
 * <li> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.<p> </li>
 * <li> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)<p> </li>
 * <li> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.<p> </li>
 * <li> <code>scope</code> - The scope of the Reserved Instance (</li>
 * <code>Availability Zone</code> or <code>Region</code>).<p> </li> 
 * <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).<p> </li> 
 * @return One or more filters.
 * <ul>
 * <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
 * </li>
 * <li> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (</li>
 * <code>31536000</code> | <code>94608000</code>).<p> </li>
 * <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).<p> </li>
 * <li> <code>instance-type</code> - The instance type that is covered by the reservation.<p> </li>
 * <li> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.<p> </li>
 * <li> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)<p> </li>
 * <li> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.<p> </li>
 * <li> <code>scope</code> - The scope of the Reserved Instance (</li>
 * <code>Availability Zone</code> or <code>Region</code>).<p> </li> 
 * <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).<p> </li> 
 * @return One or more filters.
 * <ul>
 * <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
 * </li>
 * <li> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (</li>
 * <code>31536000</code> | <code>94608000</code>).<p> </li>
 * <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).<p> </li>
 * <li> <code>instance-type</code> - The instance type that is covered by the reservation.<p> </li>
 * <li> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.<p> </li>
 * <li> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)<p> </li>
 * <li> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.<p> </li>
 * <li> <code>scope</code> - The scope of the Reserved Instance (</li>
 * <code>Availability Zone</code> or <code>Region</code>).<p> </li> 
 * <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).<p> </li> 
 * @return One or more filters.
 * <ul>
 * <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
 * </li>
 * <li> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (</li>
 * <code>31536000</code> | <code>94608000</code>).<p> </li>
 * <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).<p> </li>
 * <li> <code>instance-type</code> - The instance type that is covered by the reservation.<p> </li>
 * <li> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.<p> </li>
 * <li> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>)<p> </li>
 * <li> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.<p> </li>
 * <li> <code>scope</code> - The scope of the Reserved Instance (</li>
 * <code>Availability Zone</code> or <code>Region</code>).<p> </li> 
 * <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).<p> </li> 
 */

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  "variableSetterType": "Filter"
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@return Returns a reference to this object so that
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  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
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"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The"
Availability Zone where the Reserved Instance can be used. <p> <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). <p> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). <p> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation. <p> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed. </li> <li> <p> <code>product-description</code> - The Reserved Instance product description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>). </li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID. </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </li>

### Filters

- **Availability Zone**: The Availability Zone where the Reserved Instance can be used.
- **Duration**: The duration of the Reserved Instance (for example, one year or three years), in seconds (31536000 | 94608000).
- **Fixed Price**: The purchase price of the Reserved Instance (for example, 9800.0).
- **Instance Type**: The instance type that is covered by the reservation.
- **Marketplace**: Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, all offerings from both AWS and the Reserved Instance Marketplace are listed.
- **Product Description**: The Reserved Instance product description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (Linux/UNIX | Linux/UNIX (Amazon VPC) | SUSE Linux | SUSE Linux (Amazon VPC) | Red Hat Enterprise Linux | Red Hat Enterprise Linux (Amazon VPC) | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Web | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC)).
- **Reserved Instances Offering ID**: The Reserved Instances offering ID.
- **Scope**: The scope of the Reserved Instance (Availability Zone or Region).
- **Usage Price**: The usage price of the Reserved Instance, per hour (for example, 0.84).

### Method Signatures

- **setFilters**
  ```java
  @param filters One or more filters.
  @param filters List<Filter>
  ```

```java
setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
}
```
"simple" : false,
  "varargSetterDocumentation" : "/**
   * One or more filters.
   * <ul>
   * <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li>
   * <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li>
   * <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li>
   * <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li>
   * <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> </li>
   * <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> </p> </li>
   * <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li>
   * <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>).</p> </li>
   * <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li>
   * </ul>
   * @return Returns a reference to this object so that method calls can be chained together."
  }
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "variableSetterName" : "setFilters",
  "variableSetterDocumentation" : "<p>Set the value using the specified filter(s).</p>
   * Any filters that are already defined will be appended to the existing list, if any specifications are
   * made. Use <code>withFilters(java.util.Collection)</code> if you want to override the existing filters.</p> </li>
  * <ul>
  * <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li>
  * <li> <p> <code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li>
  * <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li>
  * <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li>
  * <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> </li>
  * <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> </p> </li>
  * <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</p> </li>
  * <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). </p> </li>
  * <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li>
  * </ul>
  * @return Returns a reference to this object so that method calls can be chained together.*/
One or more filters.

- **availability-zone** - The Availability Zone where the Reserved Instance can be used.
- **duration** - The duration of the Reserved Instance (for example, one year or three years), in seconds.
- **fixed-price** - The purchase price of the Reserved Instance (for example, 9800.0).
- **instance-type** - The instance type that is covered by the reservation.
- **marketplace** - Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.
- **product-description** - The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
- **reserved-instances-offering-id** - The Reserved Instances offering ID.
- **scope** - The scope of the Reserved Instance (Availability Zone or Region).
- **usage-price** - The usage price of the Reserved Instance, per hour (for example, 0.84).

### Tenancy

- The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of dedicated is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
- The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of dedicated is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
- Returns a reference to this object so that method calls can be chained together.

### Instances

- The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of dedicated is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
- The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of dedicated is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
- Returns a reference to this object so that method calls can be chained together.
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).</p> <p>Default: <code>default</code></p> @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).</p> <p>Default: <code>default</code>
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceTenancy",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).</p> <p>Default: <code>default</code></p> @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).</p> <p>Default: <code>default</code>
@see Tenancy*/",
 "variable" : {

"variableDeclarationType": "String",
"variableName": "instanceTenancy",
"variableType": "String",
"documentation": "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

Default: <code>default</code>
",
"simpleType": "String",
"variableSetterType": "String"
],
"xmlNameSpaceUri": null
],
"c2jName": "OfferingType",
"c2jShape": "OfferingTypeValues",
"deprecated": false,
"documentation": "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
",
"enumType": "OfferingTypeValues",
"fluentSetterDocumentation": "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
",
"fluentSetterMethodName": "withOfferingType",
"getterDocumentation": "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
",
"getterMethodName": "getOfferingType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OfferingType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "offeringType",
  "param": null,
  "structure": null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. </p>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. </p>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringType",
    "variableType" : "String",
    "documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to retrieve the next page of results. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The token to retrieve the next page of results. </p>
@param nextToken The token to retrieve the next page of results.
@return Returns a reference to this object so that method calls can be chained together."
chained together.*"},
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  @return The token to retrieve the next page of results.*"",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  @param nextToken The token to retrieve the next page of results.*"",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The token to retrieve the next page of results.</p>
  @param nextToken The token to retrieve the next page of results.<br>
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken"}
"setterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.
</p><p>Default: 100</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.

@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.
</p><p>Default: 100</p>*/
@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.

@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.

Default: 100

@return Returns a reference to this object so that method calls can be chained together.*"",
"xmlNameSpaceUri": null
},
"c2jName": "IncludeMarketplace",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Include Reserved Instance Marketplace offerings in the response.

Default: 100

@return Returns a reference to this object so that method calls can be chained together.*"",
"variableSetterType": "Integer"
},
"simpleType": "Integer",
"variableSetterType": "Integer"
}
"getterDocumentation": "/**\n p>Include Reserved Instance Marketplace offerings in the response.\n */
 return Include Reserved Instance Marketplace offerings in the response. */",
"getterMethodName": "getIncludeMarketplace",
"getterModel": {
 "returnType": "Boolean",
 "documentation": null
 },
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "IncludeMarketplace",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "IncludeMarketplace",
 "uri": false
 },
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IncludeMarketplace",
"setterDocumentation": "/**\n p>Include Reserved Instance Marketplace offerings in the response.\n */
 @param includeMarketplace Include Reserved Instance Marketplace offerings in the response. */",
"setterMethodName": "setIncludeMarketplace",
"setterModel": {
 "variableDeclarationType": "Boolean",
 "variableName": "includeMarketplace",
 "variableType": "Boolean",
 "documentation": "",
 "simpleType": "Boolean",
 "variableSetterType": "Boolean"
 },
"simple": true,
"varargSetterDocumentation": "/**\n p>Include Reserved Instance Marketplace offerings in the response.\n */
 @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.\n @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
 "variableDeclarationType": "Boolean",
 "variableName": "includeMarketplace",
 "variableType": "Boolean",
 "documentation": "<p>Include Reserved Instance Marketplace offerings in the response.</p>",
}
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MinDuration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
<p>Default: 2592000 (1 month)</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMinDuration",
"getterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>
@return The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>*/",
"getterMethodName" : "getMinDuration",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MinDuration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinDuration",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinDuration",
"setterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p>*/",
"setterMethodName" : "setMinDuration",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "minDuration",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p> <p@return>minDuration The minimum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 2592000 (1 month)</p> <p@return>Returns a reference to this object so that method calls can be chained together.*"/",
  "variable" : {
    "variableDeclarationType" : "Long",
    "variableName" : "minDuration",
    "variableType" : "Long",
    "documentation" : "The minimum duration (in seconds) to filter when searching for offerings.
<p>Default: 2592000 (1 month)</p>"",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "MaxDuration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "The maximum duration (in seconds) to filter when searching for offerings.
<p>Default: 94608000 (3 years)</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p> <p@return>maxDuration The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p> <p@return>Returns a reference to this object so that method calls can be chained together.*"/",
  "fluentSetterMethodName" : "withMaxDuration",
  "getDocumentation" : "/**<p>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p> <p@return>The maximum duration (in seconds) to filter when searching for offerings.</p> <p>Default: 94608000 (3 years)</p>"",
  "getterMethodName" : "getMaxDuration",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "MaxDuration",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "MaxDuration",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxDuration",
"setterDocumentation": "/**\n*pThe maximum duration (in seconds) to filter when searching for offerings.\n</p><p>Default: 94608000 (3 years)\nThe maximum duration (in seconds) to filter when searching for offerings.\nDefault: 94608000 (3 years)*/",
"setterMethodName": "setMaxDuration",
"setterModel": {
  "variableDeclarationType": "Long",
  "variableName": "maxDuration",
  "variableType": "Long",
  "documentation": "",
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "/**\n*pThe maximum duration (in seconds) to filter when searching for offerings.\nDefault: 94608000 (3 years)\nThe maximum duration (in seconds) to filter when searching for offerings.\nDefault: 94608000 (3 years)\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Long",
  "variableName": "maxDuration",
  "variableType": "Long",
  "documentation": "The maximum duration (in seconds) to filter when searching for offerings.\\nDefault: 94608000 (3 years)\\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"xmlNameSpaceUri": null
},
"c2jName": "MaxInstanceCount",
"c2jShape": "Integer",
"deprecated": false,
The maximum number of instances to filter when searching for offerings.

Default: 20

### fluentSetterDocumentation

```java
/**
 * The maximum number of instances to filter when searching for offerings.
 * Default: 20
 */

@Param maxInstanceCount The maximum number of instances to filter when searching for offerings.

Default: 20

@Return Returns a reference to this object so that method calls can be chained together.
```

### getterDocumentation

```java
/**
 * The maximum number of instances to filter when searching for offerings.
 * Default: 20
 *
 * @return The maximum number of instances to filter when searching for offerings.
 * Default: 20
 */
```

### getterMethodName

`getMaxInstanceCount`

### getterModel

```java
{
    "returnType": "Integer",
    "documentation": null
}
```

### http

```java
{
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "MaxInstanceCount",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "MaxInstanceCount",
    "uri": false
}
```

### idempotencyToken

false

### list

false

### listModel

null

### map

false

### mapModel

null

### name

"MaxInstanceCount"

### setterDocumentation

```java
/**
 * The maximum number of instances to filter when searching for offerings.
 * Default: 20
 *
 * @param maxInstanceCount The maximum number of instances to filter when searching for offerings.
 * Default: 20
 */

@Param maxInstanceCount The maximum number of instances to filter when searching for offerings.

Default: 20

@Return Returns a reference to this object so that method calls can be chained together.
```

### setterMethodName

`setMaxInstanceCount`

### setterModel

```java
{
    "variableDeclarationType": "Integer",
    "variableName": "maxInstanceCount",
    "variableType": "maxInstanceCount",
    "documentation": "",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
}
```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The maximum number of instances to filter when searching for offerings.
Default: 20">
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.
Default: 20
@return Returns a reference to this object so that method calls can be chained together.
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The maximum number of instances to filter when searching for offerings.
Default: 20
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.
Default: 20
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The maximum number of instances to filter when searching for offerings.
Default: 20
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**
<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
�이 <code>standard</code> or <code>convertible</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "/**
<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
@return The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.
@see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingClass",
  "queryString" : false,
  "statusCode" : false,
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "The maximum number of instances to filter when searching for offerings.
Default: 20
@param maxInstanceCount The maximum number of instances to filter when searching for offerings.
Default: 20
@return Returns a reference to this object so that method calls can be chained together.*/"}
"unmarshallLocationName" : "OfferingClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/**\n\nThe offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.\n\n@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.\n\n@see OfferingClassType*/",
"varargSetterMethodName" : "withOfferingClass",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.\n\n@see OfferingClassType*/",
"variableModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]}
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "p>The Availability Zone in which the Reserved Instance can be used.\n\n@see AvailabilityZone*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\nThe Availability Zone in which the Reserved Instance can be used.\n\n@see AvailabilityZone*/
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAvailabilityZone",
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p>The Availability Zone in which the Reserved Instance can be used.\n\n@see AvailabilityZone*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n\nThe Availability Zone in which the Reserved Instance can be used.\n\n@see AvailabilityZone*/
Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAvailabilityZone",
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p>The Availability Zone in which the Reserved Instance can be used.\n\n@see AvailabilityZone*/",
  "enumType" : null,
The Availability Zone in which the Reserved Instance can be used.

@returns The Availability Zone in which the Reserved Instance can be used.

The Availability Zone in which the Reserved Instance can be used.

@returns Returns a reference to this object so that method calls can be chained together.

variable

The Availability Zone in which the Reserved Instance can be used.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters. <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
<code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds.
<code>fixed-price</code> - The price of the Reserved Instance (for example, 9800.0).
<code>instance-type</code> - The instance type that is covered by the reservation.
<code>marketplace</code> - Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.
<code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>Reserved Instance Marketplace</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
<code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.
<code>scope</code> - The scope of the Reserved Instance (Availability Zone or Region).
<code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).
"enumType" : null,
"fluentSetterDocumentation" : "One or more filters.
<code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
<code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds.
<code>fixed-price</code> - The price of the Reserved Instance (for example, 9800.0).
<code>instance-type</code> - The instance type that is covered by the reservation.
<code>marketplace</code> - Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.
<code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>Reserved Instance Marketplace</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
scope of the Reserved Instance (Availability Zone or Region).  

- The usage price of the Reserved Instance, per hour (for example, 0.84).  

- The release of Reserved Instance marketplace offerings.  

- The scope of the Reserved Instance (Availability Zone or Region).  

- The usage price of the Reserved Instance, per hour (for example, 0.84).  

- The purchase price of the Reserved Instance (for example, 9,800.0).  

- The duration of the Reserved Instance (for example, one year or three years), in seconds (31536000).  

- The instance type that is covered by the reservation.  

- The scope of the Reserved Instance (Availability Zone or Region).  

- The usage price of the Reserved Instance, per hour (for example, 0.84).  

- The purchase price of the Reserved Instance (for example, 9,800.0).
<code>instance-type</code> - The instance type that is covered by the reservation.

Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.

<code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.

<code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.

<code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.

<code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). The usage price of the Reserved Instance, per hour (for example, 0.84). Returns a reference to this object so that
method calls can be chained together.*\*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "variable" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
      "documentation" : "",
      "simpleType" : "Filter",
      "variableSetterType" : "Filter"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "variable" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
      "documentation" : "",
      "simpleType" : "Filter",
      "variableSetterType" : "Filter"}
variableSetterType": "Filter",
},
"xmlNamespaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> - The Availability Zone where the Reserved Instance can be used.</p> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).</p> - The purchase price of the Reserved Instance (for example, 9800.0).</p> - The instance type that is covered by the reservation.</p> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>ReserveInstancesOfferingID</code> - The Reserved Instances offering ID.
</p> - The scope of the Reserved Instance (Availability Zone or Region).
</p> - The usage price of the Reserved Instance, per hour (for example, 0.84).
</p> - \n@ param filters One or more filters.
</p> - The Availability Zone where the Reserved Instance can be used.</p> - The duration of the Reserved Instance (for example, one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).
</p> - The purchase price of the Reserved Instance (for example, 9800.0).
</p> - The instance type that is covered by the reservation.</p> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</p> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will
only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (\texttt{Linux/UNIX} | \texttt{SUSE Linux} | \texttt{Windows} | \texttt{Red Hat Enterprise Linux} | \texttt{Amazon VPC})

- The Reserved Instances offering ID.
- The usage price of the Reserved Instance, per hour (for example, 0.84).

```java
public interface ReservedInstancesOffering {  
    // The Availability Zone where the Reserved Instance can be used.
    String getAvailabilityZone();

    // The duration of the Reserved Instance (for example, one year or three years), in seconds
    long getDuration();

    // The purchase price of the Reserved Instance (for example, 9800.0).
    double getFixedPrice();

    // The instance type that is covered by the reservation.
    String getInstanceType();

    // Set to true to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.
    boolean getMarketplace();

    // The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
    String getProductDescription();

    // The scope of the Reserved Instance (Availability Zone or Region).
    String getScope();

    // The usage price of the Reserved Instance, per hour (for example, 0.84).
    double getUsagePrice();

    // NOTE: This method appends the values to the existing list (if any). Use \{ @link #setFilters(java.util.Collection) \} or \{ @link #withFilters(java.util.Collection) \} if you want to override the existing values.
    void addFilters(java.util.Collection<Filter> filters);
}
```
by the reservation.</li> <li> <p> <code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li> <li> <p> <code>product-description</code> - The Reserved Instance product description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>) - The Reserved Instances offering ID.</li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). The usage price of the Reserved Instance, per hour (for example, 0.84).</li> <li> <p> <code>reserved-instances-offering-id</code> - The Reserved Instances offering ID.</li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Availability Zone</code> or <code>Region</code>). The usage price of the Reserved Instance, per hour (for example, 0.84).<br />

```
@Retention
@Target
@Documented
@Inherited
public @interface ReservedInstancesOffering {
    String value();
}"
```
"deprecated" : false,
"documentation" : "<p>Include Reserved Instance Marketplace offerings in the response.\</p>\n\n@param includeMarketplace Include Reserved Instance Marketplace offerings in the response.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@type includeMarketplace : boolean\n\n@returns Content\n\n**withIncludeMarketplace**

"constructorDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**withIncludeMarketplace**

"getterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**getIncludeMarketplace**

"getterModel" : {\n    "returnType" : "boolean",\n    "documentation" : null\n},

"http" : {\n    "additionalMarshallingPath" : null,\n    "additionalUnmarshallingPath" : null,\n    "flattened" : false,\n    "greedy" : false,\n    "header" : false,\n    "isPayload" : false,\n    "isStreaming" : false,\n    "location" : null,\n    "marshallLocationName" : "IncludeMarketplace",\n    "queryString" : false,\n    "statusCode" : false,\n    "unmarshallLocationName" : "IncludeMarketplace",\n    "uri" : false\n},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IncludeMarketplace",
"setterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**setIncludeMarketplace**

"setterModel" : {\n    "variableDeclarationType" : "boolean",\n    "variableName" : "includeMarketplace",\n    "variableType" : "boolean",\n    "documentation" : "",\n    "simpleType" : "boolean",\n    "variableSetterType" : "boolean"\n},

"simple" : true,
"varargSetterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**withIncludeMarketplace**

"constructorDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**withIncludeMarketplace**

"getterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**getIncludeMarketplace**

"getterModel" : {\n    "returnType" : "boolean",\n    "documentation" : null\n},

"http" : {\n    "additionalMarshallingPath" : null,\n    "additionalUnmarshallingPath" : null,\n    "flattened" : false,\n    "greedy" : false,\n    "header" : false,\n    "isPayload" : false,\n    "isStreaming" : false,\n    "location" : null,\n    "marshallLocationName" : "IncludeMarketplace",\n    "queryString" : false,\n    "statusCode" : false,\n    "unmarshallLocationName" : "IncludeMarketplace",\n    "uri" : false\n},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IncludeMarketplace",
"setterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**setIncludeMarketplace**

"setterModel" : {\n    "variableDeclarationType" : "boolean",\n    "variableName" : "includeMarketplace",\n    "variableType" : "boolean",\n    "documentation" : "",\n    "simpleType" : "boolean",\n    "variableSetterType" : "boolean"\n},

"simple" : true,
"varargSetterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**withIncludeMarketplace**

"constructorDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**withIncludeMarketplace**

"getterDocumentation" : "Include Reserved Instance Marketplace offerings in the response.\n\n@returns Content\n\n**getIncludeMarketplace**

"getterModel" : {\n    "returnType" : "boolean",\n    "documentation" : null\n},

"http" : {\n    "additionalMarshallingPath" : null,\n    "additionalUnmarshallingPath" : null,\n    "flattened" : false,\n    "greedy" : false,\n    "header" : false,\n    "isPayload" : false,\n    "isStreaming" : false,\n    "location" : null,\n    "marshallLocationName" : "IncludeMarketplace",\n    "queryString" : false,\n    "statusCode" : false,\n    "unmarshallLocationName" : "IncludeMarketplace",\n    "uri" : false\n},

"idempotencyToken" : false,
response.

/**
 * Include Reserved Instance Marketplace offerings in the response.
 * @param includeMarketplace Include Reserved Instance Marketplace offerings in the response.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "includeMarketplace",
    "variableType" : "Boolean",
    "documentation" : "Include Reserved Instance Marketplace offerings in the response."
},

"InstanceTenancy" : {
    "c2jName" : "InstanceTenancy",
    "c2jShape" : "Tenancy",
    "documentation" : "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances)."
},

/**
 * The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see Tenancy*/

"fluentSetterMethodName" : "withInstanceTenancy",

"getterDocumentation" : "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @return The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @see Tenancy*/

"getterMethodName" : "getInstanceTenancy",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "xmlNameSpaceUri" : null
},

"InstanceTenancy" : {
    "c2jName" : "InstanceTenancy",
    "c2jShape" : "Tenancy",
    "documentation" : "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see Tenancy*/

"fluentSetterMethodName" : "withInstanceTenancy",

"getterDocumentation" : "The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @return The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).
 * @see Tenancy*/

"getterMethodName" : "getInstanceTenancy",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "xmlNameSpaceUri" : null
},
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).<p>Default: <code>default</code></p></p>
@param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).<p>Default: <code>default</code></p>
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"complexType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).<p>Default: <code>default</code></p></p>
@param instanceTenancy The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).<p>Default: <code>default</code></p>
@return Returns a reference to this object so that method calls can be chained together.<p>See Tenancy*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "<p>The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of <code>dedicated</code> is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).<p>Default: <code>default</code></p>"",

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.
@param instanceType The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.
@return The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceType",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "InstanceType",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example, <code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>

@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>

@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p>
@param instanceType The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</i>

@see InstanceType*/",
"simple" : "String",
"xmlNameSpaceUri" : null
},
"MaxDuration" : {
  "c2jName" : "MaxDuration",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "The maximum duration (in seconds) to filter when searching for offerings.
@p Default: 94608000 (3 years)@p"",
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum duration (in seconds) to filter when searching for
offerings.

@example Default: 94608000 (3 years)

@returns Returns a reference to this object so that method calls can be chained together.

*///

"fluentSetterMethodName": "withMaxDuration",
"getterDocumentation": /**

* @param maxDuration The maximum duration (in seconds) to filter when searching for offerings.

@example Default: 94608000 (3 years)

@return The maximum duration (in seconds) to filter when searching for offerings.

@example Default: 94608000 (3 years)

*/

"getterMethodName": "getMaxDuration",
"getterModel": {
  "returnType": "Long",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxDuration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxDuration",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxDuration",
"setterDocumentation": /**

* @param maxDuration The maximum duration (in seconds) to filter when searching for offerings.

@example Default: 94608000 (3 years)

*/

"setterMethodName": "setMaxDuration",
"setterModel": {
  "variableDeclarationType": "Long",
  "variableName": "maxDuration",
  "variableType": "Long",
  "documentation": "",
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": /**

* @param maxDuration The maximum duration (in seconds) to filter when searching for offerings.

@example Default: 94608000 (3 years)

*/

returns Returns a reference to this object so that method calls can be chained together.

filter when searching for offerings.</p>

Default: 94608000 (3 years)

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "Long",
    "variableName" : "maxDuration",
    "variableType" : "Long",
    "documentation" : "The maximum duration (in seconds) to filter when searching for offerings.
Default: 94608000 (3 years)"
",
    "xmlNameSpaceUri" : null
},

"MaxInstanceCount" : {
    "c2jName" : "MaxInstanceCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The maximum number of instances to filter when searching for offerings.
Default: 20"
",
    "fluentSetterMethodName" : "withMaxInstanceCount",
    "getterDocumentation" : "The maximum number of instances to filter when searching for offerings.
Default: 20
:return The maximum number of instances to filter when searching for offerings.
Default: 20*/

@param maxInstanceCount The maximum number of instances to filter when searching for offerings.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxInstanceCount",
"getterMethodName" : "getMaxInstanceCount",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MaxInstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MaxInstanceCount",
    "uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxInstanceCount",
"setterDocumentation" : "/**<p>The maximum number of instances to filter when searching for offerings.</p> <p>Default: 20</p> <p>@param maxInstanceCount The maximum number of instances to filter when searching for offerings.</p> <p>@Default: 20*/",
"setterMethodName" : "setMaxInstanceCount",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxInstanceCount",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of instances to filter when searching for offerings.</p> <p>Default: 20</p> <p>@param maxInstanceCount The maximum number of instances to filter when searching for offerings.</p> <p>Default: 20
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxInstanceCount",
   "variableType" : "Integer",
   "documentation" : "<p>The maximum number of instances to filter when searching for offerings.</p> <p>Default: 20</p>",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
   "c2jName" : "MaxResults",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100</p> "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100</p> <p>@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100</p><p>@return The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100</p><p>@param maxResults The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100.</p> <p>Default: 100*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple": true,
    "varargSetterDocumentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100
    
    @param maxResults
    
    @return Returns a reference to this object so that method calls can be chained together.*"",
    "variable": {
        "variableDeclarationType": "Integer",
        "variableName": "maxResults",
        "variableType": "Integer",
        "documentation": "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. The maximum is 100. Default: 100
        
        @param maxResults
        
        @return Returns a reference to this object so that method calls can be chained together.*"",
        "xmlNameSpaceUri": null
    },
    "MinDuration": {
        "c2jName": "MinDuration",
        "c2jShape": "Long",
        "deprecated": false,
        "documentation": "The minimum duration (in seconds) to filter when searching for offerings.
        Default: 2592000 (1 month)
        
        @param minDuration
        
        @return Returns a reference to this object so that method calls can be chained together.*"",
        "fluentSetterMethodName": "withMinDuration",
        "getterDocumentation": "The minimum duration (in seconds) to filter when searching for offerings.
        Default: 2592000 (1 month)
        
        @return The minimum duration (in seconds) to filter when searching for offerings.*",
        "getterMethodName": "getMinDuration",
        "getterModel": {
            "returnType": "Long",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": false,
        },
"marshallLocationName" : "MinDuration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinDuration",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinDuration",
"setterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p>  
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.
  
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMinDuration",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "minDuration",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum duration (in seconds) to filter when searching for offerings.</p>  
@param minDuration The minimum duration (in seconds) to filter when searching for offerings.
  
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "minDuration",
  "variableType" : "Long",
  "documentation" : "The minimum duration (in seconds) to filter when searching for offerings.
  
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token to retrieve the next page of results.
  
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token to retrieve the next page of results.
  
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableDeclarationType" : "Long",
  "variableName" : "nextToken",
  "variableType" : "Long",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
]
chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "<p>The token to retrieve the next page of results.</p>
    @return The token to retrieve the next page of results.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "NextToken",
    "setterDocumentation" : "<p>The token to retrieve the next page of results.</p>
    @param nextToken The token to retrieve the next page of results.*/",
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "<p>The token to retrieve the next page of results.</p>
    @param nextToken The token to retrieve the next page of results.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
"variableType" : "String",
"documentation" : "<p>The token to retrieve the next page of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingClass" : {
"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "<p>The offering class of the Reserved Instance. Can be <code>standard</code> or
<code>convertible</code>.</p>
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**<p>The offering class of the Reserved Instance. Can be
<code>standard</code> or <code>convertible</code>.\n@see OfferingClassType*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "/**<p>The offering class of the Reserved Instance. Can be <code>standard</code> or
<code>convertible</code>.\n@return Returns a reference to
this object so that method calls can be chained together.\n@see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingClass",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/**<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. </p>\n@param offeringClass The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. \n@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "offeringClass",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. </p>\n@param offeringClass The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>. \n@return Returns a reference to this object so that method calls can be chained together. \n@see OfferingClassType*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "offeringClass",
 "variableType" : "String",
 "documentation" : "The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"OfferingType" : {
 "c2jName" : "OfferingType",
 "c2jShape" : "OfferingTypeValues",
 "deprecated" : false,
 "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.",
 "enumType" : "OfferingTypeValues",
 "fluentSetterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. </p>\n@param offeringType The Reserved Instance offering type. \n@see OfferingTypeValues*/",
 "fluentSetterMethodName" : "withOfferingType",
 "getterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. \n@return The Reserved Instance offering type. \n@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringType",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type. \n@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\n@see OfferingTypeValues*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-
01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include
<code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
 "returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ProductDescription",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ProductDescription",
 "uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "productDescription",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>
@param productDescription The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "productDescription",
   "variableType" : "String",
   "documentation" : "<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesOfferingIds" : {
   "c2jName" : "ReservedInstancesOfferingIds",
   "c2jShape" : "ReservedInstancesOfferingIdStringList",
   "deprecated" : false,
   "documentation" : "<p>One or more Reserved Instances offering IDs.</p>
"enumType": null,
"fluentSetterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstancesOfferingIds*/",
"fluentSetterMethodName" : "withReservedInstancesOfferingIds",
"getterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.
@return One more Reserved Instances offering IDs.
@see ReservedInstancesOfferingIds*/";
"getterMethodName" : "getReservedInstancesOfferingIds",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesOfferingId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
        \n        @param member \n        \n        @return Returns a reference to this object so that
        method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n        \n        @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingIds",
"setterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.*/",
"setterMethodName" : "setReservedInstancesOfferingIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesOfferingIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instances offering IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstancesOfferingIds(java.util.Collection) } or { @link #withReservedInstancesOfferingIds(java.util.Collection) } if you want to override the existing values.</p>
@param reservedInstancesOfferingIds One or more Reserved Instances offering IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesOfferingIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more Reserved Instances offering IDs.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesOfferingsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesOfferingsRequest",
  "variableName" : "describeReservedInstancesOfferingsRequest",
  "variableType" : "DescribeReservedInstancesOfferingsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesOfferingsRequest",
  "variableSetterType" : "DescribeReservedInstancesOfferingsRequest"
},
"wrapper" : false
},
"DescribeReservedInstancesOfferingsResult" : {
"c2jName" : "DescribeReservedInstancesOfferingsResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeReservedInstancesOfferings.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "ReservedInstancesOfferings",
    "c2jShape" : "ReservedInstancesOfferingList",
    "deprecated" : false,
    "documentation" : "<p>A list of Reserved Instances offerings.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
    @param reservedInstancesOfferings A list of Reserved Instances offerings.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesOfferings",
    "getterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
    @return A list of Reserved Instances offerings.*/",
    "getterMethodName" : "getReservedInstancesOfferings",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstancesOffering>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesOfferingsSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesOfferingsSet",
      "uri" : false
    }
  }
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ReservedInstancesOffering",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*"",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ReservedInstancesOffering",
      "documentation": null
    }
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
     * @param member *
     *",n"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstancesOffering",
  "variableName": "member",
  "variableType": "ReservedInstancesOffering",
  "documentation": ""
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesOffering",
  "variableName" : "member",
  "variableType" : "ReservedInstancesOffering",
  "documentation" : "",
  "simpleType" : "ReservedInstancesOffering",
  "variableSetterType" : "ReservedInstancesOffering"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesOffering",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
"templateType" : "java.util.List<ReservedInstancesOffering>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferings",
"setterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@param reservedInstancesOfferings A list of Reserved Instances offerings.</p>
@returns A list of Reserved Instances offerings.*/",
"setterMethodName" : "setReservedInstancesOfferings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
  "variableName" : "reservedInstancesOfferings",
  "variableType" : "java.util.List<ReservedInstancesOffering>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesOffering>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
#setReservedInstancesOfferings(java.util.Collection)) or { @link
#withReservedInstancesOfferings(java.util.Collection)) if you want to override the existing values.</p>
@returns a reference to this object so
that method calls can be chained together.*/",  
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
  "variableName" : "reservedInstancesOfferings",
  "variableType" : "java.util.List<ReservedInstancesOffering>",
  "documentation" : "<p>A list of Reserved Instances offerings.</p>",
  "simpleType" : "List<ReservedInstancesOffering>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withNextToken",
        "getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
        "getMethodName" : "getNextToken",
    }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
  <code>null</code> when there are no more results to return.</p>
  @param nextToken The token to use to retrieve
  the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
  <code>null</code> when there are no more results to return.</p>
  @param nextToken The token to use to retrieve
  the next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code>
  when there are no more results to return.</p>",
  "returnType" : "String",
  "documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false,
},
"idempotencyToken" : false,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"ReservedInstancesOfferings" : {
"c2jName" : "ReservedInstancesOfferings",
"c2jShape" : "ReservedInstancesOfferingList",
"deprecated" : false,
"documentation" : "<p>A list of Reserved Instances offerings.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@param reservedInstancesOfferings A list of Reserved Instances offerings.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesOfferings",
"getterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@return A list of Reserved Instances offerings.*/",
"getterMethodName" : "getReservedInstancesOfferings",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesOffering>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesOfferingsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesOfferingsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstancesOffering",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ReservedInstancesOffering",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesOffering",
  "variableName" : "member",
  "variableType" : "ReservedInstancesOffering",
  "documentation" : "",
  "simpleType" : "ReservedInstancesOffering",
  "variableSetterType" : "ReservedInstancesOffering"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesOffering",
  "variableName" : "member",
  "variableType" : "ReservedInstancesOffering",
  "documentation" : ""
"simpleType" : "ReservedInstancesOffering",
"variableSetterType" : "ReservedInstancesOffering"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesOffering",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesOffering",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
"templateType" : "java.util.List<ReservedInstancesOffering>
",
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferings",
"setterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
@param reservedInstancesOfferings A list of Reserved Instances offerings.*/",
"setterMethodName" : "setReservedInstancesOfferings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
  "variableName" : "reservedInstancesOfferings",
  "variableType" : "java.util.List<ReservedInstancesOffering>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesOffering>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of Reserved Instances offerings.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstancesOfferings(java.util.Collection)} or { @link #withReservedInstancesOfferings(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstancesOfferings A list of Reserved Instances offerings
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesOffering>",
  "variableName" : "reservedInstancesOfferings",
  "variableType" : "java.util.List<ReservedInstancesOffering>",
  "documentation" : "A list of Reserved Instances offerings.*/",
  "simpleType" : "List<ReservedInstancesOffering>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesOffering>"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesOfferingsResult",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "DescribeReservedInstancesOfferingsResult",
   "variableName" : "describeReservedInstancesOfferingsResult",
   "variableType" : "DescribeReservedInstancesOfferingsResult",
   "documentation" : null,
   "simpleType" : "DescribeReservedInstancesOfferingsResult",
   "variableSetterType" : "DescribeReservedInstancesOfferingsResult"
},
"wrapper" : false
},
"DescribeReservedInstancesRequest" : {
   "c2jName" : "DescribeReservedInstancesRequest",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "<p>Contains the parameters for DescribeReservedInstances.</p>"
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
   "action" : "DescribeReservedInstances",
   "locationName" : null,
   "requestUri" : "/",
   "target" : null,
   "verb" : "POST",
   "xmlnsSpaceUri" : null
},
"members" : [
   {
      "c2jName" : "ReservedInstancesIds",
      "c2jShape" : "ReservedInstancesIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more Reserved Instance IDs.</p> Default: Describes all your Reserved
One or more Reserved Instance IDs.

Returns a reference to this object so that method calls can be chained together.

The documentation for the ReservedInstancesId interface is as follows:

- **returnType**
  - java.util.List<String>
- **documentation**
  - null
- **implType**
  - com.amazonaws.internal.SdkInternalList
- **interfaceType**
  - java.util.List
- **c2jName**
  - member
- **c2jShape**
  - String
- **deprecated**
  - false
- **documentation**
  - ""
- **enumType**
  - null

The documentation for the getReservedInstancesIds method is as follows:

- **getterMethod**
  - getReservedInstancesIds
- **getterModel**
  - {"returnType": "java.util.List<String">}
- **getterDocumentation**
  - ""
"documentation": null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstancesId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservedInstancesId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "ReservedInstancesId",
"memberType": "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>
@param reservedInstancesIds One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setReservedInstancesIds(java.util.Collection)] or [@link #withReservedInstancesIds(java.util.Collection)] if you want to override the existing values.</p>
@param reservedInstancesIds One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setReservedInstancesIds(java.util.Collection)] or [@link #withReservedInstancesIds(java.util.Collection)] if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The
Availability Zone where the Reserved Instance can be used. The duration of the Reserved Instance (one year or three years), in seconds.

The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).

The purchase price of the Reserved Instance (for example, 9800.0).

The instance type that is covered by the reservation.

The scope of the Reserved Instance (Region or Availability Zone).

The ID of the Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX) | Linux/UNIX (Amazon VPC) | SUSE Linux | SUSE Linux (Amazon VPC) | Red Hat Enterprise Linux | Red Hat Enterprise Linux (Amazon VPC) | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Web | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC) | Windows with SQL Server Standard (Amazon VPC) | Windows with SQL Server Web (Amazon VPC) | Windows with SQL Server Enterprise (Amazon VPC).

The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

The usage price of the Reserved Instance, per hour (for example, 0.84).

"fluentSetterDocumentation": "One or more filters.

- The Availability Zone where the Reserved Instance can be used.
- The duration of the Reserved Instance (one year or three years), in seconds.
- The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- The purchase price of the Reserved Instance (for example, 9800.0).
- The instance type that is covered by the reservation.
- The scope of the Reserved Instance (Region or Availability Zone).
- The ID of the Reserved Instance product platform description.
- The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX) | Linux/UNIX (Amazon VPC) | SUSE Linux | SUSE Linux (Amazon VPC) | Red Hat Enterprise Linux | Red Hat Enterprise Linux (Amazon VPC) | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Web | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC).

The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.

The usage price of the Reserved Instance, per hour (for example, 0.84)."
Reserved Instance.</p> <li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> </li> <li> <p> <code>state</code> - The state of the Reserved Instance (\texttt{payment-pending} | \texttt{active} | \texttt{payment-failed} | \texttt{retired}).</p> </li> <li> <p> <code>tag</code>:\texttt{key}={<i>value</i>} - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>\texttt{X}</code> for the filter value.</p> </li> 
<p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \texttt{\text\"tag-key=Purpose\text\"} and the filter \texttt{\text\"tag-value=X\text\"}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:\texttt{\text\"key\text\"=\texttt{\text\"value\text\"}} filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \texttt{\text\"tag-key=Purpose\text\"} and the filter \texttt{\text\"tag-value=X\text\"}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:\texttt{\text\"key\text\"=\texttt{\text\"value\text\"}} filter.</p> </li> 
<ul>
<li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li>
<li> <p> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (\texttt{31536000} | \texttt{94608000}).</p> </li>
<li> <p> <code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</p> </li>
<li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p> </li>
<li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li>
<li> <p> <code>scope</code> - The scope of the Reserved Instance (\texttt{Region} or \texttt{Availability Zone}).</p> </li>
<li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</p> </li>
<li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> </li>
<li> <p> <code>state</code> - The state of the Reserved Instance (\texttt{payment-pending} | \texttt{active} | \texttt{payment-failed} | \texttt{retired}).</p> </li>
<li> <p> <code>tag</code>:\texttt{key}={<i>value</i>} - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>\texttt{X}</code> for the filter value.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \texttt{\text\"tag-key=Purpose\text\"} and the filter \texttt{\text\"tag-value=X\text\"}, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:\texttt{\text\"key\text\"=\texttt{\text\"value\text\"}} filter.</p> </li>
</ul>

```
/**<p>One or more filters.</p> <ul><li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li>
<li> <p> <code>duration</code> - The
```
duration of the Reserved Instance (one year or three years), in seconds (<code>31536000</code>).</p> </li> <li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> </li> <li> <p> <code>state</code> - The state of the Reserved Instance (<code>payment-pending</code> | <code>active</code> | <code>payment-failed</code> | <code>retired</code>).</p> </li> <li> <p> <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter name and <code> X</code> for the filter value.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>filter.</p> </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p> </li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Region</code> or <code>Availability Zone</code>). </p> </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</p> </li> <li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> </li> <li> <p> <code>state</code> - The state of the Reserved Instance (<code>payment-pending</code> | <code>active</code> | <code>payment-failed</code> | <code>retired</code>).</p> </li> <li> <p> <code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code> Purpose</code> for the filter name and <code> X</code> for the filter value.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>filter.</p> </li> <li> <p> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>). </p> </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p> </li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> </li> <li> <p> <code>scope</code> - The scope of the Reserved Instance (<code>Region</code> or <code>Availability Zone</code>). </p> </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</p> </li> <li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> </li> <li> <p> <code>state</code> - The state of the Reserved Instance (<code>payment-
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"getterMethodName" : "getFilters",
"getterModel" : {
 "returnType" : "java.util.List<Filter>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Filter",
 "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "Filter",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "getterMethodName" : "getMember",
 "getterModel" : {

"returnType" : "Filter",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p>"availability-zone" - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p>"duration" - The duration of the Reserved Instance (one year or three years), in seconds ("31536000" | "94608000").</p> </li> <li> <p>"fixed-price" - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li> <li> <p>"instance-type" - The instance type that is covered by the reservation.</p> </li> <li> <p>"key" : "value" - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li> <li> <p>"state" - The state of the Reserved Instance ("payment-pending" | "active" | "payment-failed" | "retired").</p> </li> <li> <p>"tag-key" - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, <code>tag:Purpose=\"X\"</code>. </p> </li> <li> <p>"tag-value" - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p>"usage-price" - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li> <li> <p>"availability-zone" - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p>"duration" - The duration of the Reserved Instance (one year or three years), in seconds ("31536000" | "94608000").</p> </li> <li> <p>"end" - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z). </p> </li> <li> <p>"fixed-price" - The purchase price of the Reserved Instance (for example, 9800.0). </p> </li> <li> <p>"instance-type" - The instance type that is covered by the reservation.</p> </li> <li> <p>"key" : "value" - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value. </p> </li> <li> <p>"state" - The state of the Reserved Instance ("payment-pending" | "active" | "payment-failed" | "retired").</p> </li> <li> <p>"tag-key" - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p>"tag-value" - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p>"usage-price" - The usage price of the Reserved Instance, per hour (for example, 0.84). </p> </li> <li> <p>"availability-zone" - The Availability Zone where the Reserved Instance can be used.</p> </li> <li> <p>"duration" - The duration of the Reserved Instance (one year or three years), in seconds ("31536000" | "94608000").</p> </li> <li> <p>"end" - The time when the
Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).

- The purchase price of the Reserved Instance (for example, 9800.0).
- The instance type that is covered by the reservation.
- The scope of the Reserved Instance (Region or Availability Zone).
- The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX).
- The instance type that is covered by the reservation.
- The scope of the Reserved Instance (Region or Availability Zone).
- The Reserved Instance product platform description.
- The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- The state of the Reserved Instance (payment-pending, active, payment-failed, retired).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose=<code>&lt;/i&gt;</code>.
- The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.
- The usage price of the Reserved Instance, per hour (for example, 0.84).
- A boolean that is set if more filters are included. Setting more filters is allowed. Filters include availability-zone, duration, start, end, fixed-price, instance-type, scope, reserved-instances-id, state, tag-key, tag-value, usage-price, product-description.

- The ID of the Reserved Instance. 
- The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- The state of the Reserved Instance (payment-pending | active | payment-failed | retired).
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag-value=X</code> for the filter value.
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- The usage price of the Reserved Instance, per hour (for example, 0.84).
- The duration of the Reserved Instance (one year or three years), in seconds (31536000 | 94608000).
- The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
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- The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- The purchase price of the Reserved Instance (for example, 9800.0).
- The scope of the Reserved Instance (Region or Availability Zone).
- The product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>.
- The ID of the Reserved Instance.
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<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the 
<code>tag-key</code> filter. 
</p> 
</li>
</ul>

@return Returns a reference to this object so that method calls can be chained together.?
"},

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters."
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"documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>",
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>
@return The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
"..."
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
 @param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
 @return Returns a reference to this object so that method calls can be chained together.
 @see OfferingTypeValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
 @param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.
 @return Returns a reference to this object so that method calls can be chained together.
 @see OfferingTypeValues*/",
"simple" : true,
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "Describes whether the Reserved Instance is Standard or Convertible.
 @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
 @return Returns a reference to this object so that method calls can be chained together.
 @see OfferingClassType*/",
"fluentSetterDocumentation" : "/**\n Describes whether the Reserved Instance is Standard or Convertible.
 @param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
 @return Returns a reference to this object so that method calls can be chained together.
 @see OfferingClassType*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "/**\n Describes whether the Reserved Instance is Standard or Convertible.
 @return Describes whether the Reserved Instance is Standard or Convertible.
 @see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
Describes whether the Reserved Instance is Standard or Convertible.

```java
@see OfferingClassType*/
```

A reference to this object so that method calls can be chained together:

```java
@see OfferingClassType*/
```

Describes whether the Reserved Instance is Standard or Convertible.

```java
@see OfferingClassType*/
```

a reference to this object so that method calls can be chained together:

```java
@see OfferingClassType*/
```

Describes whether the Reserved Instance is Standard or Convertible.

```java
@see OfferingClassType*/
```
"documentation": "One or more filters." <ul> <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li> <li> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds.</li> <li> <code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</li> <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li> <code>instance-type</code> - The instance type that is covered by the reservation.</li> <li> <code>scope</code> - The scope of the Reserved Instance.</li> <li> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</li> <li> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</li> <li> <code>state</code> - The state of the Reserved Instance (payment-pending | active | payment-failed | retired).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</li> </ul>"; "enumType" : null,
"fluentSetterDocumentation" : "One or more filters." <ul> <li> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li> <li> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds.</li> <li> <code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</li> <li> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li> <code>instance-type</code> - The instance type that is covered by the reservation.</li> <li> <code>scope</code> - The scope of the Reserved Instance.</li> <li> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</li> <li> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</li> <li> <code>state</code> - The state of the Reserved Instance (payment-pending | active | payment-failed | retired).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li> <li> <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).</li> </ul>";
Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>.

- Time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- The state of the Reserved Instance (payment-pending | active | payment-failed | retired).
- The key/value combination of a tag assigned to the resource.

Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The usage price of the Reserved Instance, per hour (for example, 0.84).

Example filters:

```java
<param filters One or more filters.>
 <ul>
  <li>
   <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.
  </li>
  <li>
   <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (31536000 | 94608000).
  </li>
  <li>
   <code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
  </li>
  <li>
   <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).
  </li>
  <li>
   <code>instance-type</code> - The instance type that is covered by the reservation.
  </li>
  <li>
   <code>scope</code> - The scope of the Reserved Instance (Region or Availability Zone).
  </li>
  <li>
   <code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX | Linux/UNIX (Amazon VPC) | SUSE Linux | SUSE Linux (Amazon VPC) | Red Hat Enterprise Linux | Red Hat Enterprise Linux (Amazon VPC) | Windows | Windows (Amazon VPC) | Windows with SQL Server Standard | Windows with SQL Server Standard (Amazon VPC) | Windows with SQL Server Web | Windows with SQL Server Web (Amazon VPC) | Windows with SQL Server Enterprise | Windows with SQL Server Enterprise (Amazon VPC)).
  </li>
  <li>
   <code>reserved-instances-id</code> - The ID of the Reserved Instance.
  </li>
  <li>
   <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
  </li>
  <li>
   <code>state</code> - The state of the Reserved Instance (payment-pending | active | payment-failed | retired).
  </li>
  <li>
   <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.
  </li>
  <li>
   <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag=key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
  </li>
  <li>
   <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
  </li>
  <li>
   <code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).
  </li>
 </ul>
```

Example usage:

```java
var filters = { availabilityZone: 'us-east-1a', duration: '1', end: '2015-08-07T11:54:42.000Z', fixedPrice: 9800.0, instanceType: 'm3.large', scope: 'Region', productDescription: 'Windows (Amazon VPC)', reservedInstancesId: 'i-1234567890abcdef', start: '2014-08-07T11:54:42.000Z', state: 'active', tagKey: 'Purpose', tagValue: 'X', usagePrice: 0.84 };`
The Availability Zone where the Reserved Instance can be used.</p> <li><code>duration</code>- The duration of the Reserved Instance (one year or three years), in seconds (for example, 2015-08-07T11:54:42.000Z).</li> <li><code>fixed-price</code>- The purchase price of the Reserved Instance (for example, 9800.0).</li> <li><code>instance-type</code>- The instance type that is covered by the reservation.</li> <li><code>scope</code>- The scope of the Reserved Instance (Region or Availability Zone).</li> <li><code>reserved-instances-id</code>- The ID of the Reserved Instance.</li> <li><code>start</code>- The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</li> <li><code>state</code>- The state of the Reserved Instance (payment-pending | active | payment-failed | retired).</li> <li><code>tag</code>:<i>key</i>=<i>value</i>- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li><code>tag-key</code>- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li><code>tag-value</code>- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li><code>usage-price</code>- The usage price of the Reserved Instance, per hour (for example, 0.84).</li> <li><code>un@return</code> One or more filters.</li> <li><code>availability-zone</code>- The Availability Zone where the Reserved Instance can be used.</li> <li><code>duration</code>- The duration of the Reserved Instance (one year or three years), in seconds (for example, 2015-08-07T11:54:42.000Z).</li> <li><code>fixed-price</code>- The purchase price of the Reserved Instance (for example, 9800.0).</li> <li><code>instance-type</code>- The instance type that is covered by the reservation.</li> <li><code>scope</code>- The scope of the Reserved Instance (Region or Availability Zone).</li> <li><code>reserved-instances-id</code>- The ID of the Reserved Instance.
<code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).

<code>state</code> - The state of the Reserved Instance (<code>payment-pending</code> | <code>active</code> | <code>payment-failed</code> | <code>retired</code>).

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>usage-price</code> - The usage price of the Reserved Instance, per hour (for example, 0.84).
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
One or more filters.

- **availability-zone**: The Availability Zone where the Reserved Instance can be used.
- **duration**: The duration of the Reserved Instance (one year or three years), in seconds (31536000 | 94608000).
- **end**: The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- **fixed-price**: The purchase price of the Reserved Instance (for example, 9800.0).
- **instance-type**: The instance type that is covered by the reservation.
- **scope**: The scope of the Reserved Instance (Region or Availability Zone).
- **product-description**: The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC.
- **reserved-instances-id**: The ID of the Reserved Instance.
- **start**: The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- **state**: The state of the Reserved Instance (payment-pending | active | payment-failed | retired).
- **tag**: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose=X for the filter name and <code>tag:Purpose</code> for the filter value.
- **tag-key**: The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter tag:<code>=<key>=<value></code> filter.
- **tag-value**: The value of a tag assigned to the resource. This filter is independent of the tag-key filter.
- **usage-price**: The usage price of the Reserved Instance, per hour (for example, 0.84).
- **un@param filters One or more filters.
 Duration of the Reserved Instance (one year or three years), in seconds.

 The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).

 The purchase price of the Reserved Instance (for example, 9800.0).

 The instance type that is covered by the reservation.

 The scope of the Reserved Instance (for example, Region or Availability Zone).

 The duration of the Reserved Instance (one year or three years), in seconds.

 The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).

 The purchase price of the Reserved Instance (for example, 9800.0).

 The instance type that is covered by the reservation.

 The scope of the Reserved Instance (for example, Region or Availability Zone).

 The duration of the Reserved Instance (one year or three years), in seconds.

 The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).

 The purchase price of the Reserved Instance (for example, 9800.0).

 The instance type that is covered by the reservation.

 The scope of the Reserved Instance (for example, Region or Availability Zone).
Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (<code>Linux/UNIX</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Red Hat Enterprise Linux</code> | <code>Red Hat Enterprise Linux (Amazon VPC)</code> | <code>Windows</code> | <code>Windows (Amazon VPC)</code> | <code>Windows with SQL Server Standard</code> | <code>Windows with SQL Server Standard (Amazon VPC)</code> | <code>Windows with SQL Server Web</code> | <code>Windows with SQL Server Web (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code> | <code>Windows with SQL Server Enterprise (Amazon VPC)</code>). <p></p></li></ul><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. <p></p></li><ul><li><code>reserved-instances-id</code> - The ID of the Reserved Instance. </li></ul>
resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter 
"tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> </li> <li> `<i>sp</i> <code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</li> </ul> 

```
variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "<p>One or more filters.</p> <ul>
    <li> <p> <code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p> 
    </li> <li> <p> <code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (for example, 31536000).</p> 
    </li> <li> <p> <code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).</p> 
    </li> <li> <p> <code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</p> 
    </li> <li> <p> <code>instance-type</code> - The instance type that is covered by the reservation.</p> 
    </li> <li> <p> <code>instance-type</code> - The scope of the Reserved Instance (for example, Region or Availability Zone).</p> 
    </li> <li> <p> <code>product-description</code> - The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (Linux/UNIX, Amazon VPC).<code>*</code> [code] | Linux/UNIX (Amazon VPC),</p> 
    </li> <li> <p> <code>reserved-instances-id</code> - The ID of the Reserved Instance.</p> 
    </li> <li> <p> <code>start</code> - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).</p> 
    </li> <li> <p> <code>state</code> - The state of the Reserved Instance (payment-pending, active, payment-failed, retired).</p> 
    </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> 
    </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> 
    </li> <li> <p> <code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</li> </ul> 
```

```
"simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
},
"xmlNameSpaceUri" : null
}.

```
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"OfferingClass" : {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "<p>Describes whether the Reserved Instance is Standard or Convertible.</p>",
  "enumType" : "OfferingClassType",
  "fluentSetterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
  "fluentSetterMethodName" : "withOfferingClass",
  "getterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@return Describes whether the Reserved Instance is Standard or Convertible.
@see OfferingClassType*/",
  "getterMethodName" : "getOfferingClass",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingClass",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "OfferingClass",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OfferingClass",
  "setterDocumentation" : "/**<p>Describes whether the Reserved Instance is Standard or Convertible.</p>
@param offeringClass Describes whether the Reserved Instance is Standard or Convertible.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
  "setterMethodName" : "setOfferingClass",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringClass",
    "variableType" : "String"}
"documentation" : "Describes whether the Reserved Instance is Standard or Convertible.\n@param offeringClass Describes whether the Reserved Instance is Standard or Convertible.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingClassType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringClass",
    "variableType" : "String",
    "documentation" : "Describes whether the Reserved Instance is Standard or Convertible.\n",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"OfferingType" : {
    "c2jName" : "OfferingType",
    "c2jShape" : "OfferingTypeValues",
    "deprecated" : false,
    "documentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the \<code>Medium Utilization</code> Reserved Instance offering type.\n",
    "enumType" : "OfferingTypeValues",
    "fluentSetterDocumentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the \<code>Medium Utilization</code> Reserved Instance offering type.\n@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the \<code>Medium Utilization</code> Reserved Instance offering type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingTypeValues*/",
    "fluentSetterMethodName" : "withOfferingType",
    "getterDocumentation" : "The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the \<code>Medium Utilization</code> Reserved Instance offering type.\n",
    "getterMethodName" : "getOfferingType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.<p/>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.<n @see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.<p/>
@param offeringType The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.<n @see OfferingTypeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.<p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"ReservedInstancesIds" : {
    "c2jName" : "ReservedInstancesIds",
    "c2jShape" : "ReservedInstancesIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@param reservedInstancesIds One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesIds",
    "getterDocumentation" : "/**<p>One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@return One or more Reserved Instance IDs. Default: Describes all your Reserved Instances, or only those otherwise specified.*/",
    "getterMethodName" : "getReservedInstancesIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ReservedInstancesId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ReservedInstancesId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "ListModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that"
}
method calls can be chained together.*/

  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@param reservedInstancesIds One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.</p>\n@param reservedInstancesIds One or more Reserved Instance IDs.</p> <p>Default: Describes all your Reserved Instances, or only those otherwise specified.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more Reserved Instance IDs.\n@param reservedInstancesIds One or more Reserved Instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/";
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}"};

"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedInstancesRequest",
  "variableName" : "describeReservedInstancesRequest",
  "variableType" : "DescribeReservedInstancesRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedInstancesRequest",
  "variableSetterType" : "DescribeReservedInstancesRequest"
},
"wrapper" : false
},
"DescribeReservedInstancesResult" : {
  "c2jName" : "DescribeReservedInstancesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output for DescribeReservedInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "ReservedInstances",
     "c2jShape" : "ReservedInstancesList",
     "deprecated" : false,
     "documentation" : "<p>A list of Reserved Instances.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>A list of Reserved Instances.</p>\n\n@returns a reference to this object so that method calls can be chained together.*/",
     "fluentSetterMethodName" : "withReservedInstances",
     "getterDocumentation" : "/**<p>A list of Reserved Instances.</p>\n\n@returns a list of Reserved Instances.*/",
     "getterMethodName" : "getReservedInstances",
     "getterModel" : {
       "returnType" : "java.util.List<ReservedInstances>",
       "xmlNameSpaceUri" : null
     }
  ]
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstances",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return *\n", 
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstances",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "uri" : false
  }
}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "member",
  "variableType" : "ReservedInstances",
  "documentation" : "",
  "simpleType" : "ReservedInstances",
  "variableSetterType" : "ReservedInstances"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "member",
  "variableType" : "ReservedInstances",
  "documentation" : "",
  "simpleType" : "ReservedInstances",
  "variableSetterType" : "ReservedInstances"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstances",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstances",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
"templateType" : "java.util.List<ReservedInstances>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstances",
"setterDocumentation" : "/**<p>A list of Reserved Instances.</p>
@param reservedInstances A list of Reserved Instances.*/",
"setterMethodName" : "setReservedInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>>",
  "variableName" : "reservedInstances",
  "variableType" : "java.util.List<ReservedInstances>>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstances>>",
  "variableSetterType" : "java.util.Collection<ReservedInstances>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of Reserved Instances.</p>
@param reservedInstances A list of Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstances>>",
  "variableName" : "reservedInstances",
  "variableType" : "java.util.List<ReservedInstances>>",
  "documentation" : "<p>A list of Reserved Instances.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstances(java.util.Collection)} or {@link #withReservedInstances(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstances A list of Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "simple" : false,
  "xmlNameSpaceUri" : null
}]
},
"membersAsMap" : {
  "ReservedInstances" : {
    "c2jName" : "ReservedInstances",
    "c2jShape" : "ReservedInstancesList",
    "deprecated" : false,
    "documentation" : "<p>A list of Reserved Instances.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstances(java.util.Collection)} or {@link #withReservedInstances(java.util.Collection)} if you want to override the existing values.</p>
@param reservedInstances A list of Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>A list of Reserved Instances.</p>
  @return A list of Reserved Instances.*/",
    "getterMethodName" : "getReservedInstances",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstances>>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstances",
  "variableName": "member",
  "variableType": "ReservedInstances",
  "documentation": "",
  "simpleType": "ReservedInstances",
  "variableSetterType": "ReservedInstances"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ReservedInstances",
  "variableName": "member",
  "variableType": "ReservedInstances",
  "documentation": "",
  "simpleType": "ReservedInstances",
  "variableSetterType": "ReservedInstances"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstances",
"map": false,
"marshallNonAuto ConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstances",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
"templateType": "java.util.List<ReservedInstances>"
},
"map": false,
"mapModel": null,
"name": "ReservedInstances",
"setterDocumentation": "/**\nA list of Reserved Instances.<p>A list of Reserved Instances.*/",
"setterMethodName": "setReservedInstances",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstances>",
  "variableName": "reservedInstances",
  "variableType": "java.util.List<ReservedInstances>"
}
A list of Reserved Instances. <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstances(java.util.Collection)} or {@link #withReservedInstances(java.util.Collection)} if you want to override the existing values. 

@param reservedInstances A list of Reserved Instances. 

@return Returns a reference to this object so that method calls can be chained together.
"documentation" : "<p>Contains the parameters for DescribeRouteTables.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeRouteTables",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "RouteTableIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>
@param routeTableIds One or more route table IDs.</p> <p>Default: Describes all your route tables.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableIds",
  "getterDocumentation" : "/**<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>
@return One or more route table IDs.</p> <p>Default: Describes all your route tables.*/",
  "getterMethodName" : "getRouteTableIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RouteTableId",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
  @param member
  @return Returns a reference to this object so that
  method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
  @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
  @param member
  @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String"}
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>One or more route table IDs.<p>
<p>Default: Describes all your route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setRouteTableIds(java.util.Collection)] or [@link #withRouteTableIds(java.util.Collection)] if you want to
override the existing values.</p>
<p>@param routeTableIds One or more route table IDs.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
],
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**<p>One or more route table IDs.<p>
<p>Default: Describes all your route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setRouteTableIds(java.util.Collection)] or [@link #withRouteTableIds(java.util.Collection)] if you want to
override the existing values.</p>
<p>@param routeTableIds One or more route table IDs.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/", 
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route table IDs.<p>
<p>Default: Describes all your route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setRouteTableIds(java.util.Collection)] or [@link #withRouteTableIds(java.util.Collection)] if you want to
override the existing values.</p>
<p>@param routeTableIds One or more route table IDs.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/", 

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "routeTableIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more route table IDs.</p> <p>Default: Describes all your route tables.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}
<code>association.subnet-id</code> - The ID of the subnet involved in the association.

<code>association.main</code> - Indicates whether the route table is the main route table for the VPC.

<code>true</code> | <code>false</code>.

<code>route-table-id</code> - The ID of the route table.

<code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.

<code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.

<code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.

<code>association.route-table-association-id</code> - The ID of an association ID for the route table.

<code>association.route-table-id</code> - The ID of the route table involved in the association.

<code>association.subnet-id</code> - The ID of the subnet involved in the association.

<code>association.main</code> - Indicates whether the route table is the main route table for the VPC.

<code>true</code> | <code>false</code>.

<code>route-table-id</code> - The ID of the route table.

<code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.

<code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.

<code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.

<code>tag:*,<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value.

<code>tag:<i>key</i></code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=V", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value V (regardless of what the tag's key is). If you want to list only resources where Purpose is V, see the <code>tag</code>:<i>key</i>=<i>value</i></code> filter.

<code>tag:<i>key</i>=<i>value</i></code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).

<code>vpc-id</code> - The ID of the VPC for the route table.

<code>vpc-icp</code> - Indicates how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.

<code>vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.

<code>egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.

<code>egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.

<code>egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.

<code>main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>).

<code>origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.

<code>state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).
<li> <p> <code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, to specify tag Purpose=X, you can use the following filter <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC. (true | false). The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li> <li> <p> <code>origin</code> - Describes how the route was created. Possible values are: CreateRouteTable indicates that the route was automatically created when the route table was created; CreateRoute indicates that the route was manually added to the route table; EnableVgwRoutePropagation indicates that the route was propagated by route propagation.</p> </li> <li> <p> <code>state</code> - The state of a route in the route table. Possible values are: active and blackhole. The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has terminated, and so on). The ID of a VPC peering connection specified in a route in the table. The IPv4 CIDR range specified in a route in the table. The IPv6 CIDR range specified in a route in the table. The ID of a gateway specified in a route in the table. The ID of an instance specified in a route in the table. The ID of a NAT gateway. Describes how the route was created. CreateRouteTable indicates that the route was automatically created when the route table was created; CreateRoute indicates that the route was manually added to the route table; EnableVgwRoutePropagation indicates that the route was propagated by route propagation.</p> </li>
The table is the main route table for the VPC. The ID of the route table is the main route table for the VPC (true | false).

- **route-table-id**: The ID of the route table.
- **route.destination-cidr-block**: The IPv4 CIDR range specified in a route in the route table.
- **route.destination-ipv6-cidr-block**: The IPv6 CIDR range specified in a route in the route table.
- **route.gateway-id**: The ID of a gateway specified in a route in the route table.
- **route.instances**: The ID of an instance specified in a route in the route table.
- **route.egress-only-internet-gateway-id**: The ID of an egress-only Internet gateway specified in a route in the route table.
- **route.instance-id**: The ID of an instance specified in a route.
- **route.nat-gateway-id**: The ID of a NAT gateway.
- **route.origin**: Describes how the route was created.
- **route.state**: The state of a route in the route table (active | blackhole).
- **route.vpc-peering-connection-id**: The ID of a VPC peering connection specified in a route in the route table.

- **tag**: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify tag:Purpose for the filter name and X for the filter value.
- **tag-key**: The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.
- **tag-value**: The value of a tag assigned to the resource. This filter is independent of the tag-key filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:Purpose filter.

- **vpc-id**: The ID of the VPC for the route table.
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member *
     * @return */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
      "documentation" : "",
      "simpleType" : "Filter",
    }
  }
}
"variableSetterType" : "Filter",
"
"simple" : false,
"varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
}
,"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> 
<li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> 
<li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> 
<li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (true|false). </p> </li> 
<li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> 
<li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.</p> </li> 
<li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li> 
<li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the route table.</p> </li> 
<li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> 
<li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the route table.</p> </li> 
<li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the route table.</p> </li> 
<li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li> 
<li> <p> <code>route.origin</code> - Describes how the route was created. </p> </li> 
<li> <p> <code>route.state</code> - The state of a route in the route table.</p> </li> 
</ul> */
"/**

"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
}"
The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).<p></p><li><p><code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p></li><li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p></li><li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X\"", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p></li><li><p><code>vpc-id</code> - The ID of the VPC for the route table.</p></li>
</ul>

</ul>

The ID of the VPC for the route table is the ID of an association ID for the route table.<p></p>

The ID of the VPC for the route table is the ID of an association ID for the route table.<p></p>
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p>
<ul>
<li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.</p> </li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC</p> </li> <li> <p> <code>true</code> | <code>false</code></p> </li> <li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the route table.</p> </li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the route table.</p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the route table.</p> </li> <li> <p> <code>route.instance-id</code> - The ID of a VPC peering connection specified in a route in the route table.</p> </li> <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> </li> <li> <p> <code>route.state</code> - The state of a route in the route table</p> </li> 
</ul>
</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setFilters(java.util.Collection) } or { @link 
#withFilters(java.util.Collection) } if you want to override the existing values.</p>
specified in a route in the table.</p></li></ul> 

- The ID of an egress-only Internet gateway specified in a route in the route table. 
- The ID of a gateway specified in a route in the table. 
- The ID of an instance specified in a route in the route table. 
- The ID of a NAT gateway. 
- Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>

| <li> 
| <p> 
| <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p>

- The ID of an egress-only Internet gateway specified in a route in the route table. 
- The ID of an instance specified in a route in the route table. 
- The ID of a NAT gateway. 
- Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>

| <li> 
| <p> 
| <code>route.instance-id</code> - The ID of an instance specified in a route in the route table.</p>

- The ID of an instance specified in a route in the route table. 
- The ID of a NAT gateway. 
- Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>

| <li> 
| <p> 
| <code>route.nat-gateway-id</code> - The ID of a NAT gateway. 
- Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>

| <li> 
| <p> 
| <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p>

| <li> 
| <p> 
| <code>vpc-id</code> - The ID of the VPC for the route table. 
- The ID of the VPC for the route table. 
- The ID of a VPC peering connection specified in a route in the route table. 
- The ID of the VPC peering connection specified in a route in the route table.
in the table.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where `Purpose` is `X`, see the `<code>tag:Purpose</code>` filter.

- The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- The ID of the VPC for the route table.

- Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>). The ID of the route table involved in the association.

- The ID of the subnet involved in the association.

- Indicates whether the route table is the main route table for the VPC.

- The IPv4 CIDR range specified in a route in the route table.

- The IPv6 CIDR range specified in a route in the route table.

- The ID (prefix) of the AWS service specified in a route in the table.

- The ID of an egress-only Internet gateway specified in a route in the route table.

- The ID of a gateway specified in a route in the table.

- The ID of an instance specified in a route in the table.

- The ID of a NAT gateway.

- Describes how the route was created. Indicates that the route was automatically created when the route table was created; indicates that the route was manually added to the route table; indicates that the route was propagated by route propagation.

- The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).

- The ID of a VPC peering connection specified in a route in the table.
is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The ID of the route table involved in the association. The ID of the route table specified in a route in the route table. The ID of the route table. The ID of the gateway specified in a route in the table. The ID of an instance specified in a route in the table. The ID of a VPC peering connection specified in a route in the table. The state of a route in the route table (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on). The ID of the subnet involved in the association. The ID of the route table involved in the association. The ID of the VPC for the route table. The ID of the VPC for the route table. The ID of the route table. The ID of the gateway specified in a route in the table. The ID of the VPC for the route table. - Describes how the route was created. The AWS service specified in a route in the table. The IPv4 CIDR range specified in a route in the route table. The IPv6 CIDR range specified in a route in the route table. The state of a route in the route table. The state of a route in the route table. - The route table is the main route table for the VPC (<code>true</code> | <code>false</code>). The ID of the route table. The ID of the VPC for the route table. The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. The state of a route in the route table. The ID of the route table involved in the association. The ID of the subnet involved in the association. Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>). The route table is the main route table for the VPC. The IP address blocks specified in a route in the table. The IP address blocks specified in a route in the table. The IP address blocks specified in a route in the table. The ID of an egress-only Internet gateway specified in a route in the route table. The ID of the VPC for the route table. The ID of the VPC for the route table. The ID of the VPC for the route table. - The IPv4 CIDR range specified in a route in the route table. - The IPv6 CIDR range specified in a route in the route table. - The ID of a VPC peering connection specified in a route in the table. The state of a route in the route table. The state of a route in the route table. - The ID of the route table involved in the association. The ID of the subnet involved in the association. Indicates whether the route table is the main route table for the VPC (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on). - Indicates whether the route table is the main route table for the VPC.
gateway.</p> <li> <p> <code>route.origin</code> - Describes how the route was created. 
<code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.
</li> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).
</li> <li> <p> <code>route.tag:prefix-list-id</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</li> <li> <p> <code>tag:key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose=X</code> filter.
</li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.
</li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.
</li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (true | false).
</li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the route table.
</li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.
</li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.
</li> <li> <p> <code>route.tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "Filter",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "templateType" : "java.util.List<Filter>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
/*\n* The ID of an association ID for the route table.
* The ID of the route table involved in the association.
* The ID of the subnet involved in the association.
* Indicates whether the route table is the main route table for the VPC.
* The ID of the route table.
* The IPv4 CIDR range specified in a route in the table.
* The IPv6 CIDR range specified in a route in the table.
* The ID (prefix) of the AWS service specified in a route in the table.
* The destination URL for the route.
* A user-defined value that identifies the route.
* The type of route.
* Indicates whether this route is propagated to an IGP.
* Indicates whether this route is propagated to an ECMP.
* */"
<code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.<p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the table.<p> </li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.<p> </li> <li> <p> Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.<p> </li> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).<p> </li> <li> <p> <code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.<p> </li> <li> <p> <code>tag</code>:<i>key</i> = <i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. 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This filter is independent of the <code>tag-key</code> filter.<p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.<p> </li> <li> <p> <code>association.route-table-association-id</code> - The ID of an association ID for the route table.<p> </li> <li> <p> <code>association.route-table-id</code> - The ID of the route table involved in the association.<p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.<p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>).</p> </li> <li> <p> <code>route-table-id</code> - The ID of the route table.<p> </li> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.<p> </li> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.<p> </li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.<p> </li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.<p> </li> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.<p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in the route table.<p> </li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.<p> </li> <li> <p> <code>route.origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.<p> </li> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).<p> </li> <li> <p> <code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.<p> </li> <li> <p> <code>tag</code>:<i>key</i> = <i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose
is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. - The ID of the VPC for the route table. - The ID of the route table involved in the association. - The ID of the subnet involved in the association. - Indicates whether the route table is the main route table for the VPC. - The ID of an association ID for the route table. - The ID of the VPC gateway specified in a route in the route table. - The ID of an egress-only Internet gateway specified in a route in the route table. - The ID of a VPC peering connection specified in a route in the table. - The ID of a gateway specified in a route in the table. - The ID of an instance specified in a route in the table. - The ID of a NAT gateway. - Indicates whether the route table is the main route table for the VPC. - Describes how the route was created. - Indicates that the route was automatically created when the route table was created; indicates that the route was manually added to the route table; indicates that the route was propagated by route propagation. - The state of a route in the route table. - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:tagKey=tagValue</code>` for the filter name and `<code>purpose=X</code>` for the filter value. - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

### Example

```java
String filters = "tag:tagKey=tagValue";
```

### Method Description

The `setFilters` method appends the values to the existing list (if any). Use `[link #setFilters(java.util.Collection)]` or `[link #withFilters(java.util.Collection)]` if you want to override the existing values.
id</code> - The ID of the route table involved in the association.</p> </li> <li> <p> <code>association.subnet-id</code> - The ID of the subnet involved in the association.</p> </li> <li> <p> <code>association.main</code> - Indicates whether the route table is the main route table for the VPC (<code>true</code> | <code>false</code>).</p> </li> <li> <p> <code>route-table-id</code> - The ID of the route table.</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</p> </li> <li> <p> <code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</p> </li> <li> <p> <code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</p> </li> <li> <p> <code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</p> </li> <li> <p> <code>route.instance-id</code> - The ID of an instance specified in a route in the route table.</p> </li> <li> <p> <code>route.nat-gateway-id</code> - The ID of a NAT gateway.</p> </li> <li> <p> <code>route-origin</code> - Describes how the route was created. <code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; <code>CreateRoute</code> indicates that the route was manually added to the route table; <code>EnableVgwRoutePropagation</code> indicates that the route was propagated by route propagation.</p> </li> <li> <p> <code>route.state</code> - The state of a route in the route table (<code>active</code> | <code>blackhole</code>). The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on).</p> </li> <li> <p> <code>route.vpc-peering-connection-id</code> - The ID of a VPC peering connection specified in a route in the table.</p> </li> <li> <p> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:tagPurpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the route table.</p> </li>
@return Returns a reference to this object so that method calls can be chained together.*";
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",

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was created. `<code>CreateRouteTable</code>` indicates that the route was automatically created when the route table was created; `<code>CreateRoute</code>` indicates that the route was manually added to the route table; `<code>EnableVgwRoutePropagation</code>` indicates that the route was propagated by route propagation.

The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on). `<code>CreateRoute</code>` indicates that the route was created. `<code>CreateRouteTable</code>` indicates that the route was manually added to the route table; `<code>CreateRoute</code>` indicates that the route was propagated by route propagation.

<code>CreateRouteTable</code> indicates that the route was automatically created when the route table was created; `<code>CreateRouteTable</code>` indicates that the route was manually added to the route table; `<code>CreateRoute</code>` indicates that the route was propagated by route propagation.

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The blackhole state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, the specified NAT instance has been terminated, and so on). `<code>CreateRoute</code>` indicates that the route was created. `<code>CreateRouteTable</code>` indicates that the route was manually added to the route table; `<code>CreateRoute</code>` indicates that the route was propagated by route propagation.

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"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**\nOne or more route table IDs.\nDefault: Describes all your route tables.*/
@param routeTableIds One or more route table IDs.\nDefault: Describes all your route tables.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "routeTableIds",
    "variableType": "java.util.List<String>",
    "documentation": "One or more route table IDs.
    Default: Describes all your route tables.
    `<p>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setRouteTableIds(java.util.Collection) } or { @link #withRouteTableIds(java.util.Collection) } if you want to override the existing values.</p>`
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
    "xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeRouteTablesRequest",
"unmarshaller": null,
"variable": {
    "variableDeclarationType": "DescribeRouteTablesRequest",
    "variableName": "describeRouteTablesRequest",
    "variableType": "DescribeRouteTablesRequest",
    "documentation": null,
    "simpleType": "DescribeRouteTablesRequest",
    "variableSetterType": "DescribeRouteTablesRequest"
},
"wrapper": false
},
"DescribeRouteTablesResult": {
    "c2jName": "DescribeRouteTablesResult",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "Contains the output of DescribeRouteTables.
    Default: Describes all your route tables.
    `<p>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setRouteTableIds(java.util.Collection) } or { @link #withRouteTableIds(java.util.Collection) } if you want to override the existing values.</p>`
    "enums": null,
    "errorCode": null,
    "hasHeaderMember": false,
    "hasPayloadMember": false,
    "hasStatusCodeMember": false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "RouteTables",
    "c2jShape" : "RouteTableList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more route tables.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more route tables.</p><param routeTables
Information about one or more route tables.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRouteTables",
    "getterDocumentation" : "/**<p>Information about one or more route tables.</p><\n@return Information about one or more route tables.*/",
    "getterMethodName" : "getRouteTables",
    "getterModel" : {
      "returnType" : "java.util.List<RouteTable>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "RouteTableSet",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "routeTableSet",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "RouteTable",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/***/\n@Param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
      }
    }
  },
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "RouteTable",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RouteTable",
  "variableName" : "member",
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  "simpleType" : "RouteTable",
  "variableSetterType" : "RouteTable"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "RouteTable",
  "variableName" : "member",
  "variableType" : "RouteTable",
  "documentation" : "",
  "simpleType" : "RouteTable",
  "variableSetterType" : "RouteTable"
}.  

---

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Information about one or more route tables.

Information about one or more route tables.

This method appends the values to the existing list (if any). Use @link #setRouteTables(java.util.Collection) or @link #withRouteTables(java.util.Collection) if you want to override the existing values.

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- \n@return Returns a reference to this object so that method calls can be chained together.
"deprecated": false,
"documentation": "Information about one or more route tables.

"enumType": null,
"fluentSetterDocumentation": "Information about one or more route tables."

"http": {
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RouteTableSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "routeTableSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "RouteTable",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "Returns a reference to this object so that method calls can be chained together."
  },
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "RouteTable",
    "documentation": null
  }
}
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RouteTable",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
"templateType" : "java.util.List<RouteTable>" },
"map" : false,
"mapModel" : null,
"name" : "RouteTables",
"setterDocumentation" : "/**<p>Information about one or more route tables.</p>
@param routeTables Information about one or more route tables.*/",
"setterMethodName" : "setRouteTables",
"setterModel" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
"variableName" : "routeTables",
"variableType" : "java.util.List<RouteTable>",
"documentation" : "",
"simpleType" : "List<RouteTable>",
"variableSetterType" : "java.util.Collection<RouteTable>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more route tables.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRouteTables(java.util.Collection)} or
{@link #withRouteTables(java.util.Collection)} if you want to override the existing values.</p>
@param routeTables Information about one or more route tables.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : { 
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTable>",
"variableName" : "routeTables",
"variableType" : "java.util.List<RouteTable>",
"documentation" : "<p>Information about one or more route tables.</p>",
"simpleType" : "List<RouteTable>",
"variableSetterType" : "java.util.Collection<RouteTable>"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeRouteTablesResult",
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
}.
"variable": {
  "variableDeclarationType": "DescribeRouteTablesResult",
  "variableName": "describeRouteTablesResult",
  "variableType": "DescribeRouteTablesResult",
  "documentation": null,
  "simpleType": "DescribeRouteTablesResult",
  "variableSetterType": "DescribeRouteTablesResult"
},
"wrapper": false
},
"DescribeScheduledInstanceAvailabilityRequest": {
  "c2jName": "DescribeScheduledInstanceAvailabilityRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeScheduledInstanceAvailability.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
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    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
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      "c2jName": "Recurrence",
      "c2jShape": "ScheduledInstanceRecurrenceRequest",
      "deprecated": false,
      "documentation": "<p>The schedule recurrence.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The schedule recurrence.</p>
      @param recurrence The schedule recurrence.</p>\n      @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withRecurrence",
      "getterDocumentation": "/**<p>The schedule recurrence.</p>
      @return The schedule recurrence.</p>",
      "getterMethodName": "getRecurrence",
      "getterModel": {
        "returnType": "ScheduledInstanceRecurrenceRequest",
        "documentation": null
      }
    }
  ]
}
"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Recurrence",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Recurrence",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Recurrence",
"setterDocumentation": "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.*/",
"setterMethodName": "setRecurrence",
"setterModel": {
    "variableDeclarationType": "ScheduledInstanceRecurrenceRequest",
    "variableName": "recurrence",
    "variableType": "ScheduledInstanceRecurrenceRequest",
    "documentation": "",
    "simpleType": "ScheduledInstanceRecurrenceRequest",
    "variableSetterType": "ScheduledInstanceRecurrenceRequest"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableName": "recurrence",
    "variableType": "ScheduledInstanceRecurrenceRequest",
    "documentation": "<p>The schedule recurrence.</p>",
    "simpleType": "ScheduledInstanceRecurrenceRequest",
    "variableSetterType": "ScheduledInstanceRecurrenceRequest"
},
"xmlNameSpaceUri": null
},
"c2jName": "FirstSlotStartTimeRange",
"c2jShape": "SlotDateTimeRangeRequest"
"deprecated" : false,
"documentation" : "<p>The time period for the first schedule to start.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withFirstSlotStartTimeRange",
"getterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@return The time period for the first schedule to start.*",
"getterMethodName" : "getFirstSlotStartTimeRange",
"getterModel" : {
  "returnType" : "SlotDateTimeRangeRequest",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FirstSlotStartTimeRange",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FirstSlotStartTimeRange",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FirstSlotStartTimeRange",
"setterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setFirstSlotStartTimeRange",
"setterModel" : {
  "variableDeclarationType" : "SlotDateTimeRangeRequest",
  "variableName" : "firstSlotStartTimeRange",
  "variableType" : "SlotDateTimeRangeRequest",
  "documentation" : "",
  "simpleType" : "SlotDateTimeRangeRequest",
  "variableSetterType" : "SlotDateTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.</p>*/
"varargSetterMethodName" : "withFirstSlotStartTimeRange",
"varargSetterModel" : {
  "variableDeclarationType" : "SlotDateTimeRangeRequest",
  "variableName" : "firstSlotStartTimeRange",
  "variableType" : "SlotDateTimeRangeRequest",
  "documentation" : "",
  "simpleType" : "SlotDateTimeRangeRequest",
  "variableSetterType" : "SlotDateTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param firstSlotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.</p>*/
"varargSetterMethodName" : "withFirstSlotStartTimeRange"}
firstSlotStartDateTimeRange The time period for the first schedule to start.

```
@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "SlotDateTimeRangeRequest",
    "variableName" : "firstSlotStartDateTimeRange",
    "variableType" : "SlotDateTimeRangeRequest",
    "documentation" : "The time period for the first schedule to start."",
    "simpleType" : "SlotDateTimeRangeRequest",
    "variableSetterType" : "SlotDateTimeRangeRequest"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MinSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours."",
"enumType" : null,
"fluentSetterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.*/

"fluentSetterMethodName" : "withMinSlotDurationInHours",
"getterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.*/

"getterMethodName" : "getMinSlotDurationInHours",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MinSlotDurationInHours",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "MinSlotDurationInHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinSlotDurationInHours",
"setterDocumentation" : "/**<p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.\n@\n@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.*\n*/",
"setterMethodName" : "setMinSlotDurationInHours",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.\n@\n@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours:\n@\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.\n"},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum available duration, in hours. This value must be greater than MinSlotDurationInHours and less than 1,720.*",}
"enumType": null,
"fluentSetterDocumentation": "/**\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.\n */\n @param maxSlotDurationInHours\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.\n *\n @return\n * Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMaxSlotDurationInHours",
"getterDocumentation": "/**\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.\n *\n @return\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720. */",
"getterMethodName": "getMaxSlotDurationInHours",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MaxSlotDurationInHours",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaxSlotDurationInHours",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxSlotDurationInHours",
"setterDocumentation": "/**\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.\n */\n @param maxSlotDurationInHours\n * The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720. */",
"setterMethodName": "setMaxSlotDurationInHours",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxSlotDurationInHours",
  "variableType": "Integer",
  "documentation": ".",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>
@varargSetterDocumentation  
varargSetterDocumentation The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable": {
    "variableDeclarationType": "Integer",
    "variableName": "maxSlotDurationInHours",
    "variableType": "Integer",
    "documentation": "<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>
    @getVariableName
    @return Returns a reference to this object so that method calls can be chained together.*"/",
"xmlNameSpaceUri": null
}, {
    "c2jName": "NextToken",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The token for the next set of results.</p>
    @getVariableName
    @return Returns a reference to this object so that method calls can be chained together.*"/",
    "fluentSetterMethodName": "withNextToken",
    "getterDocumentation": "/**<p>The token for the next set of results.</p>
    @getterDocumentation
    @return The token for the next set of results.*"/",
    "getterMethodName": "getNextToken",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
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        "location": null,
        "marshallLocationName": "NextToken",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "NextToken",
        "uri": false
    },
    "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for
the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The
token for the next set of results.<br/>
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned<br/>
<code>NextToken</code> value.\n</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned<br/>
<code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned<br/>
<code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned<br/>
<code>NextToken</code> value.\n@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with<br/>
<code>NextToken</code> value.\n*/"
the returned <code>NextToken</code> value.*/", "getterMethodName" : "getMaxResults", "getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
},
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"variableNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.</ul>
<li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
/**<p>One or more filters.</p> <ul> <li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
@param filters One or more filters.</p> <ul> <li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."*/
,"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
@return One or more filters.</p> <ul> <li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
@return Returns a reference to this object so that method calls can be chained together."*/
,"getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
}
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter",
 "documentation" : "",
 "simpleType" : "Filter",
 "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "Filter",
 "variableName" : "member",
 "variableType" : "Filter",
 "documentation" : "",
 "simpleType" : "Filter",
 "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The"
Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform ( `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform ( `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The platform ( `<code>Linux/UNIX</code>` or `<code>Windows</code>`).

```java
@<ul>
<li> <code>availability-zone</code> - The Availability Zone (for example, `<code>us-west-2a</code>`).
<li> <code>instance-type</code> - The instance type (for example, `<code>c4.large</code>`).
<li> <code>network-platform</code> - The network platform ( `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
<li> <code>platform</code> - The platform ( `<code>Linux/UNIX</code>` or `<code>Windows</code>`).
</ul>

```
"Filters" : {
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> 
  <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</p> </li> 
  <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</p> </li> 
  <li> <p> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p> </li> 
  <li> <p> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p> </li> 
</ul>
  }
}
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "@return *
*", 
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param */"}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",

@param filters One or more filters.
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>\n@param filters One or more filters.
  </ul>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  </ul>
  
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"FirstSlotStartTimeRange" : {
  "c2jName" : "FirstSlotStartTimeRange",
  "c2jShape" : "SlotDateTimeRangeRequest",
  "deprecated" : false,
  "documentation" : "<p>The time period for the first schedule to start.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The time period for the first schedule to start.</p>\n@param firstSlotStartTimeRange The time period for the first schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withFirstSlotStartTimeRange"
"getterDocumentation" : "/**\n<p>The time period for the first schedule to start.</p>\n@return The time period for the first schedule to start.*/",
"getterMethodName" : "getFirstSlotStartTimeRange",
"getterModel" : {
"returnType" : "SlotDateTimeRangeRequest",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FirstSlotStartTimeRange",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FirstSlotStartTimeRange",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FirstSlotStartTimeRange",
"setterDocumentation" : "/**\n<p>The time period for the first schedule to start.</p>\n@param firstSlotStartTimeRange The time period for the first schedule to start.*/",
"setterMethodName" : "setFirstSlotStartTimeRange",
"setterModel" : {
"variableDeclarationType" : "SlotDateTimeRangeRequest",
"variableName" : "firstSlotStartTimeRange",
"variableType" : "SlotDateTimeRangeRequest",
"documentation" : "",
"simpleType" : "SlotDateTimeRangeRequest",
"variableSetterType" : "SlotDateTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The time period for the first schedule to start.</p>\n@param firstSlotStartTimeRange The time period for the first schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SlotDateTimeRangeRequest",
"variableName" : "firstSlotStartTimeRange",
"variableType" : "SlotDateTimeRangeRequest",
"documentation" : "\n<p>The time period for the first schedule to start.</p>"}
"simpleType" : "SlotDateTimeRangeRequest",
"variableSetterType" : "SlotDateTimeRangeRequest"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."",
"enumType" : null,
"fluentSetterDocumentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@returns{Object} Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@returns{Number} The maximum number of results to return in a single call. This value can be between 5 and 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
**getterDocumentation**

The maximum available duration, in hours. This value must be greater than `<code>MinSlotDurationInHours</code>` and less than 1,720.

```
@return The maximum available duration, in hours. This value must be greater than `<code>MinSlotDurationInHours</code>` and less than 1,720.
```

**getterMethodName**

`getMaxSlotDurationInHours`

**getterModel**

- **returnType**: `Integer`
- **documentation**: `null`

**http**

- **additionalMarshallingPath**: `null`
- **additionalUnmarshallingPath**: `null`
- **flattened**: `false`
- **greedy**: `false`
- **header**: `false`
- **isPayload**: `false`
- **isStreaming**: `false`
- **location**: `null`
- **marshallLocationName**: `MaxSlotDurationInHours`
- **queryString**: `false`
- **statusCode**: `false`
- **unmarshallLocationName**: `MaxSlotDurationInHours`
- **uri**: `false`

**idempotencyToken**: `false`

**list**: `false`

**listModel**: `null`

**map**: `false`

**mapModel**: `null`

**name**: `MaxSlotDurationInHours`

**setterDocumentation**

The maximum available duration, in hours. This value must be greater than `<code>MinSlotDurationInHours</code>` and less than 1,720.

```
@param maxSlotDurationInHours The maximum available duration, in hours. This value must be greater than `<code>MinSlotDurationInHours</code>` and less than 1,720.
```

**setterMethodName**

`setMaxSlotDurationInHours`

**setterModel**

- **variableDeclarationType**: `Integer`
- **variableName**: `maxSlotDurationInHours`
- **variableType**: `Integer`
- **documentation**: `null`
- **simpleType**: `Integer`
- **variableSetterType**: `Integer`

**simple**: `true`

**varargSetterDocumentation**

The maximum available duration, in hours. This value must be greater than `<code>MinSlotDurationInHours</code>` and less than 1,720.

```
@return Returns a reference to this object so that method calls can be chained together.
```

**variable**: `null`
"variableDeclarationType" : "Integer",
"variableName" : "maxSlotDurationInHours",
"variableType" : "Integer",
"documentation" : "The maximum available duration, in hours. This value must be greater than
<code>MinSlotDurationInHours</code> and less than 1,720."",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
],
"xmlNameSpaceUri" : null
},
"MinSlotDurationInHours" : {
"c2jName" : "MinSlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200
hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and
the minimum monthly schedule is 100 hours."",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The minimum available duration, in hours. The minimum required
duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly
schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>
@param minSlotDurationInHours The
minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the
minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule
is 100 hours.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMinSlotDurationInHours",
"getterDocumentation" : "/**<p>The minimum available duration, in hours. The minimum required
duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly
schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p>
@return The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the
minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule
is 100 hours.
*/",
"getterMethodName" : "getMinSlotDurationInHours",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MinSlotDurationInHours",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinSlotDurationInHours",
"variableModel" : {
"enumerations" : null,
"flatEnumeration" : false,
"isCollection" : false,
"isEnum" : true,
"isList" : false,
"isMap" : false,
"isUnion" : false,
"isWrapper" : true,
"simpleType" : true,
"variableName" : "MinSlotDurationInHours"}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinSlotDurationInHours",
"setterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setMinSlotDurationInHours",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

@param minSlotDurationInHours The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

@return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minSlotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token for the next set of results.

@return Returns a reference to this object so that method calls can be chained together.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>@param nextToken The token for the next set of results.</param>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>*/",
"getterMethodName" : "getNextToken",
"getterModel" : { 
"returnType" : "String",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>@param nextToken The token for the next set of results.</param>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>@param nextToken The token for the next set of results.</param>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : { 

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "&lt;p&gt;The token for the next set of results.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Recurrence" : {
  "c2jName" : "Recurrence",
  "c2jShape" : "ScheduledInstanceRecurrenceRequest",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The schedule recurrence.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The schedule recurrence.&lt;/p&gt;\n@returns A reference to this object so that method calls can be chained together."*/",
  "fluentSetterMethodName" : "withRecurrence",
  "getterDocumentation" : "/**&lt;p&gt;The schedule recurrence.&lt;/p&gt;\n@returns The schedule recurrence.*/",
  "getterMethodName" : "getRecurrence",
  "getterModel" : {
    "returnType" : "ScheduledInstanceRecurrenceRequest",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Recurrence",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Recurrence",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Recurrence",
  "setterDocumentation" : "/**&lt;p&gt;The schedule recurrence.&lt;/p&gt;\n@returns A reference to this object so that method calls can be chained together."*/",
  "setterMethodName" : "setRecurrence",
}
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstanceRecurrenceRequest",
  "variableName" : "recurrence",
  "variableType" : "ScheduledInstanceRecurrenceRequest",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceRecurrenceRequest",
  "variableSetterType" : "ScheduledInstanceRecurrenceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The schedule recurrence.
 * @param recurrence The schedule recurrence.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstanceRecurrenceRequest",
  "variableName" : "recurrence",
  "variableType" : "ScheduledInstanceRecurrenceRequest",
  "documentation" : "<p>The schedule recurrence.</p>",
  "simpleType" : "ScheduledInstanceRecurrenceRequest",
  "variableSetterType" : "ScheduledInstanceRecurrenceRequest"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Recurrence", "FirstSlotStartTimeRange" ],
"shapeName" : "DescribeScheduledInstanceAvailabilityRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeScheduledInstanceAvailabilityRequest",
  "variableName" : "describeScheduledInstanceAvailabilityRequest",
  "variableType" : "DescribeScheduledInstanceAvailabilityRequest",
  "documentation" : null,
  "simpleType" : "DescribeScheduledInstanceAvailabilityRequest",
  "variableSetterType" : "DescribeScheduledInstanceAvailabilityRequest"
},
"wrapper" : false
},
"DescribeScheduledInstanceAvailabilityResult" : {
  "c2jName" : "DescribeScheduledInstanceAvailabilityResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeScheduledInstanceAvailability.</p>",
  "enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return."
],
"enumType" : null,
"fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\n@returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\n@returns The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return."

"getterMethodName" : "getNextToken",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "The token required to retrieve the next set of results. This value is
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is 
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ScheduledInstanceAvailabilitySet",
"c2jShape" : "ScheduledInstanceAvailabilitySet",
"deprecated" : false,
"documentation" : "<p>Information about the available Scheduled Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceAvailabilitySet",
"getterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>
@return Information about the available Scheduled Instances.</p>
@return
Information about the available Scheduled Instances.*/",
"getterMethodName" : "getScheduledInstanceAvailabilitySet",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstanceAvailability>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ScheduledInstanceAvailabilitySet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "scheduledInstanceAvailabilitySet",
"uri": false,
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "ScheduledInstanceAvailability",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "ScheduledInstanceAvailability",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstanceAvailability",
  "variableName" : "member",
  "variableType" : "ScheduledInstanceAvailability",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstanceAvailability",
  "variableName" : "member",
  "variableType" : "ScheduledInstanceAvailability",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstanceAvailability",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstanceAvailability",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
"templateType" : "java.util.List<ScheduledInstanceAvailability>"
},
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceAvailabilitySet",
"setterDocumentation" : "/**<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.*/",
"setterMethodName" : "setScheduledInstanceAvailabilitySet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
  "variableName" : "scheduledInstanceAvailabilitySet",
  "variableType" : "java.util.List<ScheduledInstanceAvailability>",
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"}
"documentation" : "",
"simpleType" : "List<ScheduledInstanceAvailability>",
"variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>",
}
,"simple" : false,
"vargDoc" : /**<p>Information about the available Scheduled Instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setScheduledInstanceAvailabilitySet(java.util.Collection)] or [@link
#withScheduledInstanceAvailabilitySet(java.util.Collection)] if you want to override the existing values.<p>
@n@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.<p>
@n@return Returns a reference to this object so that method calls can be chained together.*")",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstanceAvailability>",
"variableName" : "scheduledInstanceAvailabilitySet",
"variableType" : "java.util.List<ScheduledInstanceAvailability>",
"documentation" : "Information about the available Scheduled Instances.",
"simpleType" : "List<ScheduledInstanceAvailability>",
"variableSetterType" : "java.util.Collection<ScheduledInstanceAvailability>",
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.<p>
"enumType" : null,
"fluentSetterDocumentation" : /**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.<p>
@n@param nextToken The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.<p>
@n@return Returns a reference to this object so that method calls can be chained together.*")",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : /**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.<p>
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,

"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ScheduledInstanceAvailabilitySet" : {
    "c2jName" : "ScheduledInstanceAvailabilitySet",
    "c2jShape" : "ScheduledInstanceAvailabilitySet",
    "deprecated" : false,
    "documentation" : "<p>Information about the available Scheduled Instances.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the available Scheduled Instances.</p>
@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withScheduledInstanceAvailabilitySet",
"getterDocumentation": "/**<p>Information about the available Scheduled Instances.</p>
@return Information about the available Scheduled Instances.*/",
"getterMethodName": "getScheduledInstanceAvailabilitySet",
"getterModel": {
  "returnType": "java.util.List<ScheduledInstanceAvailability>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ScheduledInstanceAvailabilitySet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "scheduledInstanceAvailabilitySet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ScheduledInstanceAvailability",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ScheduledInstanceAvailability",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "ScheduledInstanceAvailabilitySet",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "scheduledInstanceAvailabilitySet",
      "uri": false
    }
  }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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  "variableType" : "ScheduledInstanceAvailability",
  "documentation" : "",
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  "documentation" : "",
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},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the available Scheduled Instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [ @link #setScheduledInstanceAvailabilitySet(java.util.Collection) or @link #withScheduledInstanceAvailabilitySet(java.util.Collection) ] if you want to override the existing values.\n@param scheduledInstanceAvailabilitySet Information about the available Scheduled Instances.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "skipGeneratingUnmarshaller": false
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  "xmlNameSpaceUri": null
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    "enumType": null,
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  }
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     * @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"memberType" : "String",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceIds",
One or more Scheduled Instance IDs.

### setScheduledInstanceIds

**Documentation**

- **Method Signature**: `setScheduledInstanceIds(SdkInternalList<String> scheduledInstanceIds)`

**Return Type**: `null`

**Parameters**

- `scheduledInstanceIds`: A list of one or more Scheduled Instance IDs.

**Example**

```java
com.amazonaws.services.ec2.model.ScheduledInstanceStatus scheduledInstanceStatus = new ScheduledInstanceStatus()
    .withScheduledInstanceIds(scheduledInstanceIds);
```

**Notes**

- This method appends the values to the existing list (if any). Use `withScheduledInstanceIds()` if you want to override the existing values.
- Method returns a reference to this object so that method calls can be chained together.

### SlotStartTimeRange

**Documentation**

- **Method Signature**: `SlotStartTimeRangeRequest`.

**Return Type**: `null`

**Parameters**

- `SlotStartTimeRange`: The time period for the first schedule to start.

**Example**

```java
com.amazonaws.services.ec2.model.ScheduledInstanceStatus scheduledInstanceStatus = new ScheduledInstanceStatus()
    .withSlotStartTimeRange(slotStartTimeRange);
```

**Notes**

- Method returns a reference to this object so that method calls can be chained together.

---

Open Source Used In Virtualized Voice Browser 12.6(1) 21887
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"isPayload" : false,
"isStreaming" : false,
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"mapModel" : null,
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 * The time period for the first schedule to start.
 *
 * @param slotStartTimeRange The time period for the first schedule to start.
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  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
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"varargSetterDocumentation" : "/**
 * The time period for the first schedule to start.
 *
 * @param slotStartTimeRange The time period for the first schedule to start.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
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"fluentSetterDocumentation" : "/**
 * The token for the next set of results.\n *
 * @param nextToken The token for the next set of results.\n *
 * @return Returns a reference to this object so that method calls can be chained
together.*/",
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@return The token for the next set of results.*/",
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
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"name" : "NextToken",
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@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
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@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
}
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between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single
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    "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value
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returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in
a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make
another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that
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Availability Zone (for example, <code>us-west-2a</code>),

instance type (for example, <code>c4.large</code>),

network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>),

platform (<code>Linux/UNIX</code> or <code>Windows</code>),

"enumType" : null,
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Availability Zone (for example, <code>us-west-2a</code>),

instance type (for example, <code>c4.large</code>),

network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>),

platform (<code>Linux/UNIX</code> or <code>Windows</code>),

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"fluentSetterDocumentation" : "One or more filters."}
- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform (for example, `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).

### Filters

- `<code>availability-zone</code>` - The Availability Zone (for example, `<code>us-west-2a</code>`).
- `<code>instance-type</code>` - The instance type (for example, `<code>c4.large</code>`).
- `<code>network-platform</code>` - The network platform (for example, `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- `<code>platform</code>` - The platform (for example, `<code>Linux/UNIX</code>` or `<code>Windows</code>`).

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.METHOD)
public @interface Filters {
    Filter[] value();
}
```

- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform (for example, `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- The platform (for example, `<code>Linux/UNIX</code>` or `<code>Windows</code>`).

```java
public @interface Filters {
    Filter[] value();
}
```

- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform (for example, `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- The platform (for example, `<code>Linux/UNIX</code>` or `<code>Windows</code>`).

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.METHOD)
public @interface Filters {
    Filter[] value();
}
```

- The Availability Zone (for example, `<code>us-west-2a</code>`).
- The instance type (for example, `<code>c4.large</code>`).
- The network platform (for example, `<code>EC2-Classic</code>` or `<code>EC2-VPC</code>`).
- The platform (for example, `<code>Linux/UNIX</code>` or `<code>Windows</code>`).

```java
public @interface Filters {
    Filter[] value();
}
```
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@param member 
@return Returns a reference to this object so that
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@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
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  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
@return One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>). </p> </li> <li> <p> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>). </p> </li> <li> <p> <code>network-platform</code> - The network platform ( <code>EC2-Classic</code> or <code>EC2-VPC</code>). </p> </li> <li> <p> <code>platform</code> - The platform ( <code>Linux/UNIX</code> or <code>Windows</code>). </p> </li> */",
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 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@\n@return *\n*/",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "]",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "]",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
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"memberLocationName" : "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
 * One or more filters.
 */
@param filters One or more filters.
<ul>
<li> <code>availability-zone</code> - The Availability Zone (for example, <code>us-west-2a</code>).</li>
<li> <code>instance-type</code> - The instance type (for example, <code>c4.large</code>).</li>
<li> <code>network-platform</code> - The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</li>
<li> <code>platform</code> - The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/


"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null,

"MaxResults": {
  "c2jName": "MaxResults",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p> ",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withMaxResults",
  "getterDocumentation": "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
  "getterMethodName": "getMaxResults",
  "getterModel": {
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    "documentation": null
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"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Integer",
    "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
"xmlNameSpaceUri" : null
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"NextToken" : [null]
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>*/\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>*/\n@returns The token for the next set of results.
",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>*/\n@returns The token for the next set of results.
",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The token for the next set of results.
 * @param nextToken The token for the next set of results.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"ScheduledInstanceIds" : {
  "c2jName" : "ScheduledInstanceIds",
  "c2jShape" : "ScheduledInstanceIdRequestSet",
  "deprecated" : false,
  "documentation" : "<p>One or more Scheduled Instance IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Scheduled Instance IDs.</p>
 * @param scheduledInstanceIds One or more Scheduled Instance IDs.
 * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withScheduledInstanceIds",
  "getterDocumentation" : "/**<p>One or more Scheduled Instance IDs.</p>
 * @return One or more Scheduled Instance IDs. */",
  "getterMethodName" : "getScheduledInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ScheduledInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ScheduledInstanceId",
    "uri" : false
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"interfaceType" : "java.util.List",
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "ScheduledInstanceId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ScheduledInstanceId",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
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        "variableName" : "member",
        "variableType" : "String",
        "documentation" : "",
        "complexType" : "String",
        "variableSetterType" : "String"
    }
},
"interfaceType" : "java.util.List"
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
  "memberLocationName": "ScheduledInstanceId",
  "memberType": "String",
  "map": false,
  "marshallNonAutoConstructedEmptyLists": false,
  "memberAdditionalMarshallingPath": null,
  "memberAdditionalUnmarshallingPath": null,
  "sendEmptyQueryString": false,
  "simple": true,
  "simpleType": "String",
  "templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
  "templateType": "java.util.List<String>"}
},
"map": false,
"mapModel": null,
"name": "ScheduledInstanceIds",
"setterDocumentation": "<p>One or more Scheduled Instance IDs.</p>
@param scheduledInstanceIds One or more Scheduled Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setScheduledInstanceIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "scheduledInstanceIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\nOne or more Scheduled Instance IDs.\n\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setScheduledInstanceIds(java.util.Collection) \} or \{ @link #withScheduledInstanceIds(java.util.Collection) \} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "scheduledInstanceIds",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
}
}
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more Scheduled Instance IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"SlotStartTimeRange" : {
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  "c2jShape" : "SlotStartTimeRangeRequest",
  "deprecated" : false,
  "documentation" : "<p>The time period for the first schedule to start.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
  @param slotStartTimeRange The time period for the first schedule to start.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSlotStartTimeRange",
  "getterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
  @return The time period for the first schedule to start.*/",
  "getterMethodName" : "getSlotStartTimeRange",
  "getterModel" : {
    "returnType" : "SlotStartTimeRangeRequest",
    "documentation" : null
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  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "SlotStartTimeRange",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SlotStartTimeRange",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SlotStartTimeRange",
  "setterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
  @param slotStartTimeRange The time period for the first schedule to start.*/",
  "setterMethodName" : "setSlotStartTimeRange"
"setterModel" : {
  "variableDeclarationType" : "SlotStartTimeRangeRequest",
  "variableName" : "slotStartTimeRange",
  "variableType" : "SlotStartTimeRangeRequest",
  "documentation" : "",
  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The time period for the first schedule to start.</p>
@param slotStartTimeRange The time period for the first schedule to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "slotStartTimeRange",
  "variableType" : "SlotStartTimeRangeRequest",
  "documentation" : "<p>The time period for the first schedule to start.</p>",
  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
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"unmarshaller" : null,
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  "variableName" : "describeScheduledInstancesRequest",
  "variableType" : "DescribeScheduledInstancesRequest",
  "documentation" : null,
  "simpleType" : "DescribeScheduledInstancesRequest",
  "variableSetterType" : "DescribeScheduledInstancesRequest"
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeScheduledInstances.</p>"}
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [ {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\nThe token required to retrieve the next set of results. This value is \n<code>null</code> when there are no more results to return.\n\n\</p>\n  
  "enumType" : null,
  "fluentSetterDocumentation" : "\nThe token required to retrieve the next set of results. This value is \n<code>null</code> when there are no more results to return.\n\n  \</p>\n  
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "marshaller" : null,
  "marshallSignature" : "\n\n  \</p>\n  
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  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [ {
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  "enumType" : null,
  "fluentSetterDocumentation" : "\nThe token required to retrieve the next set of results. This value is \n<code>null</code> when there are no more results to return.\n\n  \</p>\n  
  "getterDocumentation" : "\nThe token required to retrieve the next set of results. This value is \n<code>null</code> when there are no more results to return.\n\n\</p>\n  
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "marshaller" : null,
  "marshallSignature" : "\n\n  \</p>\n  
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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setterDocumentation": "/**\n  The token required to retrieve the next set of results. This value is \n  <code>null</code> when there are no more results to return.\n  */",
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  "variableType": "String",
  "documentation": ":",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  The token required to retrieve the next set of results. This value is \n  <code>null</code> when there are no more results to return.\n  */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": ":Information about the Scheduled Instances.\n  */",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "ScheduledInstanceSet",
"c2jShape": "ScheduledInstanceSet",
"deprecated": false,
"documentation": ":Information about the Scheduled Instances.\n  */",
"enumType": null,
"fluentSetterDocumentation": "/**\n  Information about the Scheduled Instances.\n  */",
"fluentSetterMethodName": "withScheduledInstanceSet",
"getterDocumentation": "/**\n  Information about the Scheduled Instances.\n  */",
"getterMethodName": "getScheduledInstanceSet",
"getterModel": {
  "returnType": "java.util.List<ScheduledInstance>\",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ScheduledInstanceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scheduledInstanceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ScheduledInstance",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getMethodName" : "getMember",
"getterModel" : {
"returnType" : "ScheduledInstance",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType" : "java.util.List<ScheduledInstance>",
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceSet",
"setterDocumentation" : "/**\n@param scheduledInstanceSet Information about the Scheduled Instances.*/",
"setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"variableType" : "java.util.List<ScheduledInstance>",
"documentation" : "",
"simpleType" : "List<ScheduledInstance>",
"variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\p>Information about the Scheduled Instances.<p>
<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use [@link
#setScheduledInstanceSet(java.util.Collection)] or [@link #withScheduledInstanceSet(java.util.Collection)] if you
want to override the existing values.<p>
@param scheduledInstanceSet Information about the Scheduled
Instances.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"variableName" : "scheduledInstanceSet",
"variableType" : "java.util.List<ScheduledInstance>",
"documentation" : "<p>Information about the Scheduled Instances.</p>",
"simpleType" : "List<ScheduledInstance>",
"variableSetterType" : "java.util.Collection<ScheduledInstance>"
},
"xmlnsNamespaceUri" : null
],
"membersAsMap" : {
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p>
"enumType" : null,
"fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p>
@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*\*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p>@return</p>

*/", "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>

*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ScheduledInstanceSet" : {
  "c2jName" : "ScheduledInstanceSet",
  "c2jShape" : "ScheduledInstanceSet",
  "deprecated" : false,
  "documentation" : "<p>Information about the Scheduled Instances.</p>

*/"}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param scheduledInstanceSet Information about the Scheduled Instances.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceSet",
"getterDocumentation" : "/**\n@param \n@return Information about the Scheduled Instances.*/",
"getterMethodName" : "getScheduledInstanceSet",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstance>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ScheduledInstanceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "scheduledInstanceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstance",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstance",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstance",
"variableName" : "member",
"variableType" : "ScheduledInstance",
"documentation" : "",
"simpleType" : "ScheduledInstance",
"variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstance",
"variableName" : "member",
"variableType" : "ScheduledInstance",
"documentation" : "",
"simpleType" : "ScheduledInstance",
"variableSetterType" : "ScheduledInstance"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ScheduledInstance",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType": "java.util.List<ScheduledInstance>"
],
"map": false,
"mapModel": null,
"name": "ScheduledInstanceSet",
"setterDocumentation": "/**<p>Information about the Scheduled Instances.</p>
@param scheduledInstanceSet Information about the Scheduled Instances.*/",
"setterMethodName": "setScheduledInstanceSet",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName": "scheduledInstanceSet",
  "variableType": "java.util.List<ScheduledInstance>",
  "documentation": "",
  "simpleType": "List<ScheduledInstance>",
  "variableSetterType": "java.util.Collection<ScheduledInstance>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the Scheduled Instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setScheduledInstanceSet(java.util.Collection)] or [@link #withScheduledInstanceSet(java.util.Collection)] if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName": "scheduledInstanceSet",
  "variableType": "java.util.List<ScheduledInstance>",
  "documentation": "<p>Information about the Scheduled Instances.</p>",
  "simpleType": "List<ScheduledInstance>",
  "variableSetterType": "java.util.Collection<ScheduledInstance>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeScheduledInstancesResult",
"unmarshalller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeScheduledInstancesResult",
  "variableName": "scheduledInstanceSet",
  "variableType": "java.util.List<ScheduledInstance>",
  "documentation": "<p>Information about the Scheduled Instances.</p>",
  "simpleType": "List<ScheduledInstance>",
  "variableSetterType": "java.util.Collection<ScheduledInstance>"
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"variableName" : "describeScheduledInstancesResult",
"variableType" : "DescribeScheduledInstancesResult",
"documentation" : null,
"simpleType" : "DescribeScheduledInstancesResult",
"variableSetterType" : "DescribeScheduledInstancesResult"
},
"wrapper" : false
},
"DescribeSecurityGroupReferencesRequest" : {
"c2jName" : "DescribeSecurityGroupReferencesRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeSecurityGroupReferences",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "GroupId",
    "c2jShape" : "GroupIds",
    "deprecated" : false,
    "documentation" : "<p>One or more security group IDs in your account.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more security group IDs in your account.</p>\n@param groupId
\n@see <a href="/.describesecuritygroupreferencesrequest.html"\t>\n\t</a>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId",
    "getterDocumentation" : "/**<p>One or more security group IDs in your account.</p>\n@see <a href="/.describesecuritygroupreferencesrequest.html"\t>\n\t</a>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getGroupId",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
]
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "GroupId",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/\*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/\*\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "uri": false,
  "marshallLocationName": "GroupId",
  "queryString": false,
  "statusCode": false,
  "uri": false
}
"unmarshallLocationName": "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>One or more security group IDs in your account.</p>\n@param groupId One or more security group IDs in your account.<p>*/
@param groupId One or more security group IDs in your account.</p>\n@return One or more security group IDs in your account.*/"
or more security group IDs in your account.*/

setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>One or more security group IDs in your account.</p>
NOTE: This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.</p>\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more security group IDs in your account.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"xmlNameSpaceUri" : null
} 
",
"membersAsMap" : {
"GroupId" : {
"c2jName" : "GroupId",
"c2jShape" : "GroupIds",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs in your account.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>One or more security group IDs in your account.</p>\n@param groupId One or more security group IDs in your account.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/** <p>One or more security group IDs in your account.</p>\n@return One or more security group IDs in your account.*/

"getterset" : {
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>One or more security group IDs in your account. </p>
@param groupId One or more security group IDs in your account.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupId",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs in your account.

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setGroupId(java.util.Collection)} or {@link #withGroupId(java.util.Collection)} if you want to override the existing values.

@param groupId One or more security group IDs in your account.
@return Returns a reference to this object so that method calls can be chained together.
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "SecurityGroupReferenceSet",
  "c2jShape" : "SecurityGroupReferences",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPCs with the referencing security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPCs with the referencing security groups.</p>*/
  "fluentSetterMethodName" : "withSecurityGroupReferenceSet",
  "getterDocumentation" : "/**<p>Information about the VPCs with the referencing security groups.</p>*/
  "getterMethodName" : "getSecurityGroupReferenceSet",
  "getModel" : { 
    "returnType" : "java.util.List<SecurityGroupReference>",
    "documentation" : null 
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupReferenceSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "securityGroupReferenceSet",
    "uri" : false 
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : { 
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : { 
      "c2jName" : "member",
      "c2jShape" : "SecurityGroupReference",
      "deprecated" : false,
      "documentation" : "", 
    } 
  }
}
"enumType" : null,
"fluentSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/*@\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "SecurityGroupReference",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/*@\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "SecurityGroupReference",
    "variableName" : "member",
    "variableType" : "SecurityGroupReference",
    "documentation" : "",
    "simpleType" : "SecurityGroupReference",
    "variableSetterType" : "SecurityGroupReference"
},
"simple" : false,
"varargSetterDocumentation" : "/*@\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SecurityGroupReference",
    "variableName" : "member",
    "variableType" : "SecurityGroupReference",}
"documentation" : "",
"simpleType" : "SecurityGroupReference",
"variableSetterType" : "SecurityGroupReference"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SecurityGroupReference",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SecurityGroupReference",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"templateType" : "java.util.List<SecurityGroupReference>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupReferenceSet",
"setterDocumentation" : "/**<p>Information about the VPCs with the referencing security
groups.</p>
@param securityGroupReferenceSet Information about the VPCs with the referencing security
groups.*/",
"setterMethodName" : "setSecurityGroupReferenceSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
  "variableName" : "securityGroupReferenceSet",
  "variableType" : "java.util.List<SecurityGroupReference>",
  "documentation" : "",
  "simpleType" : "List<SecurityGroupReference>",
  "variableSetterType" : "java.util.Collection<SecurityGroupReference>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPCs with the referencing security
groups.</p>

\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroupReferenceSet(java.util.Collection)} or {@link #withSecurityGroupReferenceSet(java.util.Collection)} if you want to override the existing values.

@param securityGroupReferenceSet Information about the VPCs with the referencing security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
  "variableName" : "securityGroupReferenceSet",
  "variableType" : "java.util.List<SecurityGroupReference>",
  "documentation" : "Information about the VPCs with the referencing security groups.*/",
  "simpleType" : "List<SecurityGroupReference>",
  "variableSetterType" : "java.util.Collection<SecurityGroupReference>"
},
};
"xmlns:NameSpaceUri" : null
},
"membersAsMap" : {
"SecurityGroupReferenceSet" : {
"c2jName" : "SecurityGroupReferenceSet",
"c2jShape" : "SecurityGroupReferences",
"deprecated" : false,
"documentation" : "<p>Information about the VPCs with the referencing security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPCs with the referencing security groups.</p>
@returns SecurityGroupReferenceSet Information about the VPCs with the referencing security groups.<
@return Returns a reference to this object so that method calls can be chained together.<*/",
"fluentSetterMethodName" : "withSecurityGroupReferenceSet",
"getterDocumentation" : "/**<p>Information about the VPCs with the referencing security groups.</p>
@returns SecurityGroupReferenceSet Information about the VPCs with the referencing security groups.<
@return Returns a reference to this object so that method calls can be chained together.<*/",
"getterMethodName" : "getSecurityGroupReferenceSet",
"getterModel" : {
"returnType" : "java.util.List<SecurityGroupReference>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"isLocationName" : false,
"marshallLocationName" : "SecurityGroupReferenceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroupReferenceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SecurityGroupReference",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@returns member \n@return Returns a reference to this object so that method calls can be chained together.<*/",
"getterDocumentation" : "/**\n@returns member \n@return Returns a reference to this object so that method calls can be chained together.<*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<SecurityGroupReference>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"isLocationName" : false,
"marshallLocationName" : "SecurityGroupReferenceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroupReferenceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SecurityGroupReference",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@returns member \n@return Returns a reference to this object so that method calls can be chained together.<*/",
"getterDocumentation" : "/**\n@returns member \n@return Returns a reference to this object so that method calls can be chained together.<*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<SecurityGroupReference>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"isLocationName" : false,
"marshallLocationName" : "SecurityGroupReferenceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroupReferenceSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SecurityGroupReference",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "SecurityGroupReference",
"variableName" : "member",
"variableType" : "SecurityGroupReference",
"documentation" : "",
"simpleType" : "SecurityGroupReference",
"variableSetterType" : "SecurityGroupReference"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SecurityGroupReference",
"variableName" : "member",
"variableType" : "SecurityGroupReference",
"documentation" : "",
"simpleType" : "SecurityGroupReference",
"variableSetterType" : "SecurityGroupReference"
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "SecurityGroupReference",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "SecurityGroupReference",
"templateImplType": "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"templateType": "java.util.List<SecurityGroupReference>"
],
"map": false,
"mapModel": null,
"name": "SecurityGroupReferenceSet",
"setterDocumentation": "/** Information about the VPCs with the referencing security groups. */",
"setterMethodName": "setSecurityGroupReferenceSet",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName": "securityGroupReferenceSet",
"variableType": "java.util.List<SecurityGroupReference>",
"documentation": "",
"simpleType": "List<SecurityGroupReference>",
"variableSetterType": "java.util.Collection<SecurityGroupReference>"
},
"simple": false,
"varargSetterDocumentation": "/** Information about the VPCs with the referencing security groups. 

NOTE: This method appends the values to the existing list (if any). Use @link #setSecurityGroupReferenceSet(java.util.Collection) or @link #withSecurityGroupReferenceSet(java.util.Collection) if you want to override the existing values.

@returns Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SecurityGroupReference>",
"variableName": "securityGroupReferenceSet",
"variableType": "java.util.List<SecurityGroupReference>",
"documentation": "Information about the VPCs with the referencing security groups. */",
"simpleType": "List<SecurityGroupReference>",
"variableSetterType": "java.util.Collection<SecurityGroupReference>"
},
"xmlNameSpaceUri": null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupReferencesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeSecurityGroupReferencesResult",
  "variableName" : "describeSecurityGroupReferencesResult",
  "variableType" : "DescribeSecurityGroupReferencesResult",
  "documentation" : null,
  "simpleType" : "DescribeSecurityGroupReferencesResult",
  "variableSetterType" : "DescribeSecurityGroupReferencesResult"
},
"wrapper" : false,

"DescribeSecurityGroupsRequest" : {
  "c2jName" : "DescribeSecurityGroupsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSecurityGroups.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeSecurityGroups",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "GroupNames",
    "c2jShape" : "GroupNameStringList",
    "deprecated" : false,
    "documentation" : "<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the
<code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.

"enumType" : null,

"fluentSetterDocumentation" : "/**
[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.
Default: Describes all your security groups.

@param groupNames 
[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getGroupNames",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupName",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "documentation": null,
    "enumType": null,
    "fluentSetterDocumentation": "/**
     [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.
     Default: Describes all your security groups.
     
     @param groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.
     
     @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getGroupNames",
    "getterModel": {
      "returnType": "java.util.List<String>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "GroupName",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "GroupName",
      "uri": false
    },
    "idempotencyToken": false,
    "list": true,
    "listModel": {
      "implType": "com.amazonaws.internal.SdkInternalList",
      "interfaceType": "java.util.List",
      "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "String",
        "deprecated": false,
        "documentation": ""}
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String"}
"setterDocumentation" : "/**\n[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.

@\n@param groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.*\n*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**\n[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.

@\n@param groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.*\n*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
"simple" : false,
"varargSetterDocumentation" : "/**\n[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.

@\n@param groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.

Default: Describes all your security groups.*\n*/",
"return" : Returns a reference to this object so that method calls can be chained together.*\n*/
"variable" : {
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.</p>
<br/>
<p>Default: Describes all your security groups.</p> ",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}

```
"c2jName" : "GroupIds",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<br/>
<p>Default: Describes all your security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<br/>
<p>Default: Describes all your security groups.</p>
@param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<br/>
<p>Default: Describes all your security groups.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupIds",
"getterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p>
<br/>
<p>Default: Describes all your security groups.</p>
@return One or more security group IDs. Required for security groups in a nondefault VPC.</p>"
"getterMethodName" : "getGroupIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n   * @param member \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n   * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n   * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"}}}}
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "groupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "GroupIds",
"setterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p> Default: Describes all your security groups.</p>
@param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.</p> <p>Default: Describes all your security groups.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroupIds(java.util.Collection)} or {@link 
#withGroupIds(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p> Default: Describes all your security groups.</p> <p>NOTE:</p> This method appends the values to the existing list (if any). Use {@link #setGroupIds(java.util.Collection)} or {@link 
#withGroupIds(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs. Required for security groups in a nondefault VPC.</p> Default: Describes all your security groups.<p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul>
  <li><code>description</code> - The description of the security group.</li>
  <li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li>
  <li><code>group-id</code> - The ID of the security group.</li>
  <li><code>group-name</code> - The name of the security group.</li>
  <li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li>
  <li><code>ip-permission.egress.ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li>
  <li><code>ip-permission.egress.ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</li>
  <li><code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</li>
  <li><code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The ID of the security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The ID of a security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The name of a security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The ID of a security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The name of a security group that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li>
  <li><code>ip-permission.ipv6-cidr</code> - The start of port range for the TCP and UDP protocols, or an ICMP code.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The ID of an AWS account that has been granted permission.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The AWS account ID of the owner of the security group.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The key of a tag assigned to the security group.</li>
  <li><code>ip-permission.ipv6-cidr</code> - The value of a tag assigned to the security group.</li>
  <li><code>vpc-id</code> - The ID of the VPC specified when the security group was created.</li>
</ul>"
- The end of port range for the TCP and UDP protocols, or an ICMP code.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The key of a tag assigned to the security group.
- The value of a tag assigned to the security group.
- The ID of the VPC specified when the security group was created.
- The start of port range for the TCP and UDP protocols, or an ICMP type number.
- The description of the security group.
- The name of a security group that has been granted permission.
- The name of the security group.
- An IPv4 CIDR range that has been granted permission in a security group rule.
- The description of the security group.
- The ID of the security group.
- An IPv6 CIDR range that has been granted permission in a security group rule.
- The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).
- The start of port range for the TCP and UDP protocols, or an ICMP code.
- The ID of a security group that has been granted permission.
- The name of a security group that has been granted permission.
- The name of the security group.
- An IPv4 CIDR range that has been granted permission in a security group rule.
- An IPv6 CIDR range that has been granted permission in a security group rule.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The name of the security group.
- The name of a security group that has been granted permission.
- The name of a security group that has been granted permission.
- The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).
- The end of port range for the TCP and UDP protocols, or an ICMP code.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The key of a tag assigned to the security group.
- The value of a tag assigned to the security group.
- The ID of the VPC specified when the security group was created.
- One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

```
@returns
/** One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters. */

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/** One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters. */
```
The description of the security group.
- The ID (prefix) of the AWS service to which the security group allows access.
- The name of the security group.
- The ID of the security group.
- The start of port range for the TCP and UDP protocols, or an ICMP type number.
- The ID of a security group that has been granted permission.
- The name of a security group that has been granted permission.
- The ID of an AWS account that has been granted permission.
- The AWS account ID of the owner of the security group.
- The value of a tag assigned to the security group.
- The ID of the VPC specified when the security group was created.
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : ""
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",{"templateType": "java.util.List<Filter>"},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/*<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul> 
<li><code>description</code> - The description of the security group.</li> 
<li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li> 
<li><code>group-id</code> - The ID of the security group.</li> 
<li><code>group-name</code> - The name of the security group.</li> 
<li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li> 
<li><code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li> 
<li><code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</li> 
<li><code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</li> 
<li><code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</li> 
<li><code>ip-permission.to-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP code.</li> 
<li><code>ip-permission.protocol</code> - The IP protocol for the permission.</li> 
<li><code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</li> 
<li><code>owner-id</code> - The AWS account ID of the owner of the security group.</li> 
<li><code>tag-key</code> - The key of a tag assigned to the security group.</li> 
<li><code>tag-value</code> - The value of a tag assigned to the security group.</li> 
<li><code>vpc-id</code> - The ID of the VPC specified when the security group was created.</li> 
</ul>*/
@param filters One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters."
granted permission.</li> <li> <code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</li> <li> <code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</li> <li> The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li> <li> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</li> <li> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</li> <li> <code>owner-id</code> - The AWS account ID of the owner of the security group.</li> <li> <code>tag-key</code> - The key of a tag assigned to the security group.</li> <li> <code>tag-value</code> - The value of a tag assigned to the security group.</li> <li> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</li>

"setterMethodName" : "/**
"setterModel" : {
"variableDeclarationType" : 
"variableName" : 
"variableType" : 
"documentation" : 
"simpleType" : 
"variableSetterType" : 
"simple" : false,
"varargSetterDocumentation" : "One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters."

"variable" : 
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters."

"setterMethodName" : "/**
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters."
permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> </li> <li> <p> <code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</p> </li> <li> <p> <code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</p> </li> <li> <p> <code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule.</p> </li> <li> <p> <code>ip-permission.protocol</code> - The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</p> </li> <li> <p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</p> </li> <li> <p> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the owner of the security group.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the security group.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li></ul>*/
</li>

```

```
groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul> <li> <code>description</code> - The description of the security group.</li> <li> <code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li> <li> <code>group-id</code> - The ID of the security group.</li> <li> <code>group-name</code> - The name of the security group.</li> <li> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li> <li> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li> <li> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP protocols, or an ICMP code.</li> <li> <code>ip-permission.protocol</code> - The IP protocol for the permission (TCP | UDP | ICMP or a protocol number).</li> <li> <code>ip-permission.user-id</code> - The ID of an AWS account that has been granted permission.</li> <li> <code>owner-id</code> - The AWS account ID of the owner of the security group.</li> <li> <code>tag-key</code> - The key of a tag assigned to the security group.</li> <li> <code>tag-value</code> - The value of a tag assigned to the security group.</li> <li> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</li> </ul>
granted permission.</p> 

- The name of a security group that has been granted permission.</p> 

- An IPv6 CIDR range that has been granted permission in a security group rule.</p> 

- The IP protocol for the permission (tcp | udp | icmp or a protocol number).</p> 

- The end of port range for the TCP and UDP protocols, or an ICMP code.</p> 

- The ID of an AWS account that has been granted permission.</p> 

- The AWS account ID of the owner of the security group.</p> 

- The key of a tag assigned to the security group.</p> 

- The value of a tag assigned to the security group.</p> 

- The ID of the VPC specified when the security group was created.</p> 

- Returns a reference to this object so that method calls can be chained together.*/

"getterDocumentation": "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> 

- The description of the security group.</p> 

- The ID (prefix) of the AWS service to which the security group allows access.</p> 

- The name of the security group.</p> 

- The ID of a security group that has been granted permission.</p> 

- An IPv4 CIDR range that has been granted permission in a security group rule.</p> 

- The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> 

- The ID of a security group that has been granted permission.</p> 

- The name of a security group that has been granted permission.</p> 

- An IPv6 CIDR range that has been granted permission in a security group rule.</p> 

- The protocol for the permission (tcp | udp | icmp or a protocol number).</p> 

- The start of port range for the TCP and UDP protocols, or an ICMP code.</p> 

- The end of port range for the TCP and UDP protocols, or an ICMP code.</p> 

- The ID of an AWS account that has been granted permission.</p> 

- The AWS account ID of the owner of the security group.</p> 

- The value of a tag assigned to the security group.</p> 

- The ID of the VPC specified when the security group was created.</p> 

- Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withFilters",

"getterDocumentation": "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> 

- The description of the security group.</p> 

- The ID (prefix) of the AWS service to which the security group allows access.</p> 

- The name of the security group.</p> 

- The ID of a security group that has been granted permission.</p> 

- An IPv4 CIDR range that has been granted permission in a security group rule.</p> 

- The start of port range for the TCP and UDP protocols, or an ICMP type number.</p> 

- The ID of a security group that has been granted permission.</p> 

- The name of a security group that has been granted permission.</p> 

- An IPv6 CIDR range that has been granted permission in a security group rule.</p> 

- The IP protocol for the permission (tcp | udp | icmp or a protocol number).</p> 

- The start of port range for the TCP and UDP protocols, or an ICMP code.</p> 

- The end of port range for the TCP and UDP protocols, or an ICMP code.</p> 

- The ID of an AWS account that has been granted permission."}
group.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the security group.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created.</p> </li> */

getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "/**
 * Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "Filter",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "location" : null,
            "marshallLocationName" : "Filter",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Filter",
            "uri" : false
        }
    }
}
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"xmlNameSpaceUri": null}
"templateType" : ":java.util.List<Filter>"
],
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p><ul>
<li><code>description</code> - The description of the security group.</li>
<li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li>
<li><code>group-id</code> - The ID of the security group.</li>
<li><code>group-name</code> - The name of the security group.</li>
<li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li>
<li><code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li>
</ul>
@param filters One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p><ul>
<li><code>description</code> - The description of the security group.</li>
<li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li>
<li><code>group-id</code> - The ID of the security group.</li>
<li><code>group-name</code> - The name of the security group.</li>
<li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li>
</ul>*/",
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>"}
One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.

```java
<ul><li><p><code>description</code> - The description of the security group.</p></li><li><p><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</p></li><li><p><code>group-id</code> - The ID of the security group.</p></li><li><p><code>group-name</code> - The name of the security group.</p></li></ul>
- An IPv4 CIDR range that has been granted permission in a security group rule.
- The ID of the VPC specified when the security group was created.

### NOTE:
This method appends the values to the existing list (if any). Use @link #setFilters(java.util.Collection) or @link #withFilters(java.util.Collection) if you want to override the existing values.

```java
@override
public @return Returns a reference to this object so that method calls can be chained together.*/
```

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p>
- An IPv4 CIDR range that has been granted permission in a security group rule.
- The ID of the VPC specified when the security group was created.</p>*/
```
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters. If using multiple filters for rules, the results include security
groups for which any combination of rules - not necessarily a single rule - match all filters.</p> 
<ul>
<li> <p> <code>description</code> - The description of the security group. </p> </li>
<li> <p> <code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows
access. </p> </li>
<li> <p> <code>group-id</code> - The ID of the security group. </p> </li>
<li> <p> <code>group-name</code> - The name of the security group. </p> </li>
<li> <p> <code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule. </p> </li>
<li> <p> <code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type
number. </p> </li>
<li> <p> <code>ip-permission.group-id</code> - The ID of a security group that has been
granted permission. </p> </li>
<li> <p> <code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range that has been granted permission in a security group rule. </p> </li>
<li> <p> <code>ip-permission.protocol</code> - The IP protocol for the permission: TCP/UDP or ICMP.<p> <code>ip-permission.to-port</code> - The end of port range for the TCP and UDP
protocols, or an ICMP code. </p> </li>
<li> <p> <code>ip-permission.user-id</code> - The ID of an AWS account
that has been granted permission. </p> </li>
<li> <p> <code>ip-permission.group-name</code> - The name of a security
group that has been granted permission. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the security
group. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the security
group. </p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC specified when the security group was created. </p> </li>
</ul>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>",
"xmlNameSpaceUri" : null},
"GroupIds" : {
"c2jName" : "GroupIds",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group IDs. Required for security groups in a nondefault
VPC.</p> 
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a
nondefault VPC.</p> 
"getterDocumentation" : "/**<p>One or more security group IDs. Required for security groups in a
nondefault VPC.</p> 
"http" : {
"name" : "Open Source Used In Virtualized Voice Browser 12.6(1) 21949"
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "groupId",
      "uri" : false
    },
  }
}
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "groupId",
"memberType": "String",
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "GroupIds",
"setterDocumentation": "/**\n@override 
* @param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.
* @return A list of all security groups in the current VPC.
*/
* @param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.*/
"settermethodName": "setGroupIds",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "groupId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* @param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.
* @return A list of all security groups in the current VPC.
*/
* @param groupIds One or more security group IDs. Required for security groups in a nondefault VPC.*/
"varargSetterMethod": "setGroupIds"}
"setterMethodName" : "setGroupIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : ""/**<p>One or more security group IDs. Required for security groups in a nondefault VPC. Default: Describes all your security groups.\n\n@NOTE: This method appends the values to the existing list (if any). Use \{@link #setGroupIds(java.util.Collection)\} or \{@link #withGroupIds(java.util.Collection)\} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more security group IDs. Required for security groups in a nondefault VPC. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri" : null,
"GroupNames" : {
"c2jName" : "GroupNames",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"enumType" : null,
"fluentSetterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withGroupNames",
"getterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getGroupIds",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : null,
"xmlNameSpaceUri" : null,
"GroupNameStringList" : {
"c2jName" : "GroupNameStringList",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"enumType" : null,
"fluentSetterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withGroupNameStringList",
"getterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getGroupNameStringList",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : null,
"xmlNameSpaceUri" : null,
"GroupNameStringList" : {
"c2jName" : "GroupNameStringList",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"enumType" : null,
"fluentSetterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withGroupNameStringList",
"getterDocumentation" : "One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"}
specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the
<code>group-name</code> filter to describe security groups by name.</p>

<p>Default: Describes all your security groups. */

"getterMethodName": "getGroupNames",
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "GroupName",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String"
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**
[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.

@<param paramGroupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.*/

@param groupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.

@return Returns a reference to this object so that method calls can be chained together.*/

//
"setterMethodName" : "setGroupNames",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.

@NOTE: This method appends the values to the existing list (if any). Use { @link #setGroupNames(java.util.Collection)} or { @link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@<param paramGroupNames [EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. Default: Describes all your security groups.

@ return Returns a reference to this object so that method calls can be chained together.*/

//
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name. <p> Default: Describes all your security groups.

@</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setGroupNames(java.util.Collection)} or { @link #withGroupNames(java.util.Collection)} if you want to override the existing values.

@</p><p>@ return Returns a reference to this object so that method calls can be chained together.*/

//
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSecurityGroupsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeSecurityGroupsRequest",
"variableName" : "describeSecurityGroupsRequest",
"variableType" : "DescribeSecurityGroupsRequest",
"documentation" : null,
"simpleType" : "DescribeSecurityGroupsRequest",
"variableSetterType" : "DescribeSecurityGroupsRequest"
},
"wrapper" : false,
"DescribeSecurityGroupsResult" : {
"c2jName" : "DescribeSecurityGroupsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSecurityGroups.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "SecurityGroups",
"c2jShape" : "SecurityGroupList",
"deprecated" : false,
"documentation" : "<p>Information about one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more security groups.</p>
@param securityGroups Information about one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>Information about one or more security groups.</p>
@return Information about one or more security groups.*/",
"getterMethodName" : "getSecurityGroups",
"getMethods" : {
"returnType" : "java.util.List<SecurityGroup>",
"documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecurityGroupInfo",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "securityGroupInfo",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "SecurityGroup",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member \n     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "SecurityGroup",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SecurityGroup",
  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/*/\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SecurityGroup",
  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
"templateType" : "java.util.List<SecurityGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>Information about one or more security groups.</p>
@param securityGroups Information about one or more security groups.*/"
"setterMethodName": "setSecurityGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
  "variableName": "securityGroups",
  "variableType": "java.util.List<SecurityGroup>",
  "documentation": "",
  "simpleType": "List<SecurityGroup>",
  "variableSetterType": "java.util.Collection<SecurityGroup>"
},

"simple": false,

"varargSetterDocumentation": "/**<p>Information about one or more security
   groups.\n   </p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
   #setSecurityGroups(java.util.Collection) or { @link #withSecurityGroups(java.util.Collection) } if you want to
   override the existing values.\n   */\n   @param securityGroups Information about one or more security
   groups.\n   @return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
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  "variableName": "securityGroups",
  "variableType": "java.util.List<SecurityGroup>",
  "documentation": "Information about one or more security groups.\n                   \n                   @param securityGroups Information about one or more security groups.\n                   @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about one or more security groups.\n   */\n   @param securityGroups Information about one or more security groups.\n   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSecurityGroups",
  "getterDocumentation": "/**<p>Information about one or more security groups.\n   */\n   @return Information about one or more security groups.*/",
  "getterMethodName": "getSecurityGroups",
  "getterModel": {
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    "documentation": null
  }
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  "greedy": false,
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "securityGroupInfo",
"uri": false
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"idempotencyToken": false,
"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "SecurityGroup",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@\n* @return Returns a reference to this object so that
* method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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    "flattened": false,
    "greedy": false,
    "header": false,
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    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SecurityGroup",
  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "documentation" : "",
  "simpleType" : "SecurityGroup",
  "variableSetterType" : "SecurityGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "SecurityGroup",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : false,
  "simpleType" : "SecurityGroup",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
  "templateType" : "java.util.List<SecurityGroup>"
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"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**\nInformation about one or more security groups.\n@param securityGroups Information about one or more security groups.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SecurityGroup>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<SecurityGroup>"
**Information about one or more security groups.**

This method appends the values to the existing list (if any). Use [@link #setSecurityGroups(java.util.Collection) or [@link #withSecurityGroups(java.util.Collection)] if you want to override the existing values. 

@returns Returns a reference to this object so that method calls can be chained together.

```java

public DescribeSecurityGroupsResult withSecurityGroups(List<SecurityGroup> securityGroups)
```

```java

public DescribeSecurityGroupsResult
```

```java

public DescribeSecurityGroupsResult
```

```java

```
"documentation" : "\p>Contains the parameters for DescribeSnapshotAttribute.\p>",
"enums" : null,
"errorCode" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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"locationName" : null,
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"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p>The ID of the EBS snapshot.\p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p>The ID of the EBS snapshot.\p>\n@param snapshotId The ID of the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**\p>The ID of the EBS snapshot.\p>\n@return The ID of the EBS snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"map": false,
"mapModel": null,
"name": "SnapshotId",
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\@param snapshotId The ID of the EBS snapshot.
*/",
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the EBS snapshot.
\@param snapshotId The ID of the EBS snapshot.
\n\@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType": "String",
  "documentation": "The ID of the EBS snapshot.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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  "c2jShape": "SnapshotAttributeName",
  "deprecated": false,
  "documentation": "The snapshot attribute you would like to view.",
  "enumType": "SnapshotAttributeName",
  "fluentSetterDocumentation": "/**\n* The snapshot attribute you would like to view.
\n\@return Returns a reference to this object so that method calls can be chained together.
\n\@see SnapshotAttributeName*/",
  "fluentSetterMethodName": "withAttribute",
  "getterDocumentation": "/**\n* The snapshot attribute you would like to view.
\n\@return The snapshot attribute you would like to view.
\n\@see SnapshotAttributeName*/",
  "getterMethodName": "getAttribute",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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"isStreaming" : false,
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"queryString" : false,
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"unmarshallLocationName" : "Attribute",
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"list" : false,
"listModel" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The snapshot attribute you would like to view.</p>
@param attribute The snapshot attribute you would like to view.
@see SnapshotAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "attribute",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
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@param attribute The snapshot attribute you would like to view.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
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 "simpleType" : "String",
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 "c2jShape" : "SnapshotAttributeName",
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 "enumType" : "SnapshotAttributeName",
...
"fluentSetterDocumentation" : "/**\n* The snapshot attribute you would like to view.\n* @param attribute The snapshot attribute you would like to view.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see SnapshotAttributeName*/",
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"getterDocumentation" : "/**\n* The snapshot attribute you would like to view.\n* @return The snapshot attribute you would like to view.\n* @see SnapshotAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Attribute",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n* The snapshot attribute you would like to view.\n* @param attribute The snapshot attribute you would like to view.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see SnapshotAttributeName*/",
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"setterModel" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n* The snapshot attribute you would like to view.\n* @param attribute The snapshot attribute you would like to view.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see SnapshotAttributeName*/",
"variable" : {
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"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The snapshot attribute you would like to view.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"SnapshotId" : {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@return The ID of the EBS snapshot."",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
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@param snapshotId The ID of the EBS snapshot.
*/",
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "*/\*\n<p>The ID of the EBS snapshot.</p>\n@param snapshotId The ID of the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "snapshotId",
  "variableType": "String",
  "documentation": "<p>The ID of the EBS snapshot.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerClassFqn": null,
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"unmarshaller": null,
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  "variableName": "describeSnapshotAttributeRequest",
  "variableType": "DescribeSnapshotAttributeRequest",
  "documentation": null,
  "simpleType": "DescribeSnapshotAttributeRequest",
  "variableSetterType": "DescribeSnapshotAttributeRequest"
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"wrapper": false
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"DescribeSnapshotAttributeResult": {
  "c2jName": "DescribeSnapshotAttributeResult",
  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeSnapshotAttribute.</p>",
  "enums": null
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"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { "c2jName" : "SnapshotId",
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  "deprecated" : false,
  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
   @param snapshotId The ID of the EBS snapshot.
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
   @return The ID of the EBS snapshot.
   */",
  "getterMethodName" : "getSnapshotId",
  "getterModel" : { "returnType" : "String", "documentation" : null },
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "snapshotId",
    "uri" : false },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SnapshotId",
  ".setterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
   @param snapshotId The ID of the EBS snapshot.
   */",
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  "setterModel" : { "variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "",
}
"simple" : true,
"varargSetterDocumentation" : "/*\n* @param snapshotId The ID of the EBS snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "The ID of the EBS snapshot.\n*\n* @param snapshotId The ID of the EBS snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "CreateVolumePermissions",
"c2jShape" : "CreateVolumePermissionList",
"deprecated" : false,
"documentation" : "A list of permissions for creating volumes from the snapshot.\n*\n* @param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*\n* A list of permissions for creating volumes from the snapshot.\n* @param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateVolumePermissions",
"getterDocumentation" : "/*\n* A list of permissions for creating volumes from the snapshot.\n* @return A list of permissions for creating volumes from the snapshot.\n* @param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getCreateVolumePermissions",
"getterModel" : {
"returnType" : "java.util.List<CreateVolumePermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreateVolumePermission",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createVolumePermission",
"uri" : false
**documentation** : "",
**simpleType** : "CreateVolumePermission",
**variableSetterType** : "CreateVolumePermission"
},
**simple** : false,
**vargSetterDocumentation** : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
**variable** : {
**variableDeclarationType** : "CreateVolumePermission",
**variableName** : "member",
**variableType** : "CreateVolumePermission",
**documentation** : "",
**simpleType** : "CreateVolumePermission",
**variableSetterType** : "CreateVolumePermission"
},
**xmlNameSpaceUri** : null
},
**memberLocationName** : "item",
**memberType** : "CreateVolumePermission",
**map** : false,
**marshallNonAutoConstructedEmptyLists** : false,
**memberAdditionalMarshallingPath** : null,
**memberAdditionalUnmarshallingPath** : null,
**sendEmptyQueryString** : false,
**simple** : false,
**simpleType** : "CreateVolumePermission",
**templateImplType** : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
**templateType** : "java.util.List<CreateVolumePermission>"
},
**map** : false,
**mapModel** : null,
**name** : "CreateVolumePermissions",
**setterDocumentation** : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.</p>@param createVolumePermissions A list of permissions for creating volumes from the snapshot.*/",
**setterMethodName** : "setCreateVolumePermissions",
**setterModel** : {
**variableDeclarationType** : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
**variableName** : "createVolumePermissions",
**variableType** : "java.util.List<CreateVolumePermission>",
**documentation** : "",
**simpleType** : "List<CreateVolumePermission>",
**variableSetterType** : "java.util.Collection<CreateVolumePermission>"
},
**simple** : false,
**vargSetterDocumentation** : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setCreateVolumePermissions(java.util.Collection) or @link #withCreateVolumePermissions(java.util.Collection) if you want to override the existing values.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.*/

createVolumePermissions A list of permissions for creating volumes from the snapshot.

@return Returns a reference to this object so that method calls can be chained together. */

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        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
        "variableName" : "createVolumePermissions",
        "variableType" : "java.util.List<CreateVolumePermission>",
        "documentation" : "<p>A list of permissions for creating volumes from the snapshot.</p>",
        "simpleType" : "List<CreateVolumePermission>",
        "variableSetterType" : "java.util.Collection<CreateVolumePermission>",
    },
    "xmlNameSpaceUri" : null
},
    "c2jName" : "ProductCodes",
    "c2jShape" : "ProductCodeList",
    "deprecated" : false,
    "documentation" : "<p>A list of product codes.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withProductCodes",
    "getterDocumentation" : "/**<p>A list of product codes.</p>
@return A list of product codes.*/",
    "getterMethodName" : "getProductCodes",
    "getterModel" : {
        "returnType" : "java.util.List<ProductCode>",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
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        "queryString" : false,
        "statusCode" : false,
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        "uri" : false
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    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jName" : "ProductCode",
            "c2jName" : "ProductCode"
"c2jShape" : "ProductCode",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ProductCode",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
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"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
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"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.</p>*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>A list of product codes.</p>",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "CreateVolumePermissionList",
    "deprecated" : false,
    "documentation" : "<p>A list of permissions for creating volumes from the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
   * @param createVolumePermissions A list of permissions for creating volumes from the snapshot.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCreateVolumePermissions",
    "getterDocumentation" : "/**<p>A list of permissions for creating volumes from the snapshot.</p>
   * @return A list of permissions for creating volumes from the snapshot.*/",
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    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
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      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "statusCode" : false,
      "unmarshallLocationName" : "createVolumePermission",
      "uri" : false
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      "interfaceType" : "java.util.List",
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        "c2jShape" : "CreateVolumePermission",
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        "documentation" : "",
        "enumType" : null,
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   * @return Returns a reference to this object so that method calls can be chained together.*/",
        "getterDocumentation" : "/**\n   * @return
   */",
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          "documentation" : null
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          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
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          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "createVolumePermission",
          "uri" : false
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        "list" : true,
        "listModel" : {
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          "interfaceType" : "java.util.List",
          "listMemberModel" : {
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            "c2jShape" : "CreateVolumePermission",
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            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
            "getterDocumentation" : "/**\n   * @return
   */",
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            "getterModel" : {
              "returnType" : "CreateVolumePermission",
              "documentation" : null
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              "additionalUnmarshallingPath" : null,
              "flattened" : false,
              "greedy" : false,
              "header" : false,
              "isPayload" : false,
              "isStreaming" : false,
              "location" : null,
              "marshallLocationName" : "CreateVolumePermission",
              "queryString" : false,
              "statusCode" : false,
              "unmarshallLocationName" : "createVolumePermission",
              "uri" : false
            },
            "idempotencyToken" : false,
            "list" : true,
            "listModel" : {
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              "interfaceType" : "java.util.List",
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                "c2jShape" : "CreateVolumePermission",
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                "documentation" : "",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
                "getterDocumentation" : "/**\n   * @return
   */",
                "getterMethodName" : "getMember",
                "getterModel" : {
                  "returnType" : "CreateVolumePermission",
                  "documentation" : null
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                "http" : {
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                  "additionalUnmarshallingPath" : null,
                  "flattened" : false,
                  "greedy" : false,
                  "header" : false,
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                  "marshallLocationName" : "CreateVolumePermission",
                  "queryString" : false,
                  "statusCode" : false,
                  "unmarshallLocationName" : "createVolumePermission",
                  "uri" : false
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                "list" : true,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "CreateVolumePermission",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CreateVolumePermission",
  "variableName" : "member",
  "variableType" : "CreateVolumePermission",
  "documentation" : "",
  "simpleType" : "CreateVolumePermission",
  "variableSetterType" : "CreateVolumePermission"
"ProductCodes" : {"c2jName" : "ProductCodes","xmlNameSpaceUri" : null},
"memberLocationName" : "item", "memberType" : "CreateVolumePermission", "map" : false,
"marshallNonAutoConstructedEmptyLists" : false, "memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null, "sendEmptyQueryString" : false,
"simple" : false, "simpleType" : "CreateVolumePermission", "templateImplType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"templateType" : "java.util.List<CreateVolumePermission>" },
"map" : false, "mapModel" : null, "name" : "CreateVolumePermissions", "setterDocumentation" : "/**\n<p>A list of permissions for creating volumes from the snapshot.</p>
@param createVolumePermissions A list of permissions for creating volumes from the snapshot.*/","setterMethodName" : "setCreateVolumePermissions", "setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "createVolumePermissions", "variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "", "simpleType" : "List<CreateVolumePermission>", "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
},
"simple" : false, "varargSetterDocumentation" : "/**\n<p>A list of permissions for creating volumes from the snapshot.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setCreateVolumePermissions(java.util.Collection)\} or \{@link #withCreateVolumePermissions(java.util.Collection)\\} if you want to override the existing values.\n@param createVolumePermissions A list of permissions for creating volumes from the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/","variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<CreateVolumePermission>",
"variableName" : "createVolumePermissions", "variableType" : "java.util.List<CreateVolumePermission>",
"documentation" : "<p>A list of permissions for creating volumes from the snapshot.</p>", 
"simpleType" : "List<CreateVolumePermission>", "variableSetterType" : "java.util.Collection<CreateVolumePermission>"
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"xmlNameSpaceUri" : null },
"ProductCodes" : {"c2jName" : "ProductCodes",}
"http": {
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 "additionalUnmarshallingPath": null,
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 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "item",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "item",
 "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "ProductCode",
 "variableName": "member",
 "variableType": "ProductCode",
 "documentation": "",
 "simpleType": "ProductCode",
 "variableSetterType": "ProductCode"
},
"simple": false,
"varargSetterDocumentation": "/**@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
 "variableDeclarationType": "ProductCode",
 "variableName": "member",
 "variableType": "ProductCode",
 "documentation": "",
 "simpleType": "ProductCode",
 "variableSetterType": "ProductCode"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ProductCode",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>",
},
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
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"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<br/>NOTE:<b/> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.<p/>

@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>A list of product codes.</p>",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
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"xmlNameSpaceUri" : null
},
"SnapshotId" : {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.<p/>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.<p/>
@return The ID of the EBS snapshot.*/",
"getterMethodName" : "getSnapshotId",
"simpleType" : "String"
},
"xmlNameSpaceUri" : null
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SnapshotId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "snapshotId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the EBS snapshot.</p>
@param snapshotId The ID of the EBS snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the EBS snapshot.\n@param snapshotId The ID of the EBS snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the EBS snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSnapshotAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeSnapshotAttributeResult",
  "variableName" : "describeSnapshotAttributeResult",
  "variableType" : "DescribeSnapshotAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeSnapshotAttributeResult",
  "variableSetterType" : "DescribeSnapshotAttributeResult"
},
"wrapper" : false,
"DescribeSnapshotsRequest" : {
  "c2jName" : "DescribeSnapshotsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSnapshots.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "SnapshotIds",
      "c2jShape" : "SnapshotIdStringList",
      "deprecated" : false,
"documentation" : "<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@param snapshotIds One or more snapshot IDs.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSnapshotIds",
"getterDocumentation" : "/**
<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@return One or more snapshot IDs.
<p>Default: Describes snapshots for which you have launch permissions.*/",
"getterMethodName" : "getSnapshotIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
}
}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SnapshotId",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SnapshotId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "SnapshotIds",
"setterDocumentation" : "/**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@param snapshotIds One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.*/",
"setterMethodName" : "setSnapshotIds",
"setterModel" : {
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  "variableName" : "snapshotIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSnapshotIds(java.util.Collection)} or {@link #withSnapshotIds(java.util.Collection)} if you want to override the existing values.</p>
@param snapshotIds One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "snapshotIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "+<p>One or more snapshot IDs.</p> <p>Default: Describes snapshots for which you have launch permissions.</p>
++
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerIds",
"c2jShape" : "OwnerStringList",
"deprecated" : false,
"documentation" : "<p>Returns the snapshots owned by the specified owner. Multiple owners can be
specified.

    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
\n\n@\n\n@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.</n>@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withOwnerIds",
    "getterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</n>@\n\n\n@return Returns the snapshots owned by the specified owner. Multiple owners can be specified.*/",
    "getterMethodName" : "getOwnerIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Owner",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Owner",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "ImplType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n\n@\n\n@param member \n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "String",
          "documentation" : null
        }
      }
    }
  }
}
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "OwnerIds",
"setterDocumentation" : "/** <p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.*/",
"setterMethodName" : "setOwnerIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ownerIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/** <p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.<br>Note: This method appends the values to the existing list (if any). Use {@link #setOwnerIds(java.util.Collection)} or {@link #withOwnerIds(java.util.Collection)} if you want to override the existing values.
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "ownerIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "simple" : false,
    "varargSetterDocumentation" : "/** <p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "c2jName" : "RestorableByUserIds",
    "c2jShape" : "RestorableByStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.<br>Note: This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/";"
"fluentSetterMethodName" : "withRestorableByUserIds",
"getterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the
snapshot.</p>@return One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"getterMethodName" : "getRestorableByUserIds",
"getterModel" : {
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  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RestorableBy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RestorableBy",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RestorableByUserIds",
"setterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"setterMethodName" : "setRestorableByUserIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "restorableByUserIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRestorableByUserIds(java.util.Collection)} or {@link #withRestorableByUserIds(java.util.Collection)} if you want to override the existing values.</p>
  @param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "restorableByUserIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more AWS accounts IDs that can create volumes from the snapshot.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "Filters",
  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "One or more filters.
  <ul>
  <li> <p code="description"> - A description of the snapshot.</p></li>
  <li> <p code="owner-alias"> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</li>
  <li> <p code="owner-id"> - The ID of the AWS account that owns the snapshot.</li>
  <li> <p code="progress"> - The progress of the snapshot, as a percentage (for example, 80%).</li>
  <li> <p code="snapshot-id"> - The snapshot ID.</li>
  <li> <p code="start-time"> - The time stamp when the snapshot was initiated.</li>
  <li> <p code="status"> - The status of the snapshot (pending | completed | error).</li>
  <li> <p code="tag"> - The key/value combination of a tag assigned to the resource. Specify
  "key-expression" to return a list of tags with the given key.
  "value-expression" to return a list of tags with the given value.
  "key-value" to return a list of tags with the given key and value.
  "prefix" to return a list of tags that start with the given prefix.
  "delimiter" to return all tags separated by the given delimiter.
  "marker" to return all tags with a marker as the key.
  "maxResults" to return the maximum number of results.
  "nextToken" to return the next token for pagination.
  "only" to return tags where the key matches the filter (prefix|key)
  "excludeKeys" to return tags where the key does not match the filter (prefix|key)"."
  </ul>""}
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> 

**/ul**<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filters `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> 

**/ul**<p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter \`tag-key=Purpose\` and the filter \`tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> 

**/ul**<p> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> 

**/ul**<p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> 

**/ul**<p> <li> <p> <code>description</code> - A description of the snapshot.</p> 

**/ul**<p> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (`amazon` | `aws-marketplace` | `microsoft`) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 

**/ul**<p> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> 

**/ul**<p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> 

**/ul**<p> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> 

**/ul**<p> <li> <p> <code>start-time</code> - The timestamp when the snapshot was initiated.</p> 

**/ul**<p> <li> <p> <code>status</code> - The status of the snapshot (`pending` | `completed` | `error`).</p> 

**/ul**<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> 

**/ul**<p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> 

**/ul**<p> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> 

**/ul**<p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> 

**/ul**<p> <li> <p> <code>description</code> - A description of the snapshot.</p> 

**/ul**<p> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (`amazon` | `aws-marketplace` | `microsoft`) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> 

**/ul**<p> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> 

**/ul**<p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> 

**/ul**<p> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> 

**/ul**<p> <li> <p> <code>start-time</code> - The timestamp when the snapshot was initiated.</p> 

**/ul**<p> <li> <p> <code>status</code> - The status of the snapshot (`pending` | `completed` | `error`).</p> 

**/ul**<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose\` and the filter `\tag-value=X\`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> 

**/ul**<p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.
<code>volume-id</code> - The ID of the volume the snapshot is for.</p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li>
</ul></li>
</ul>
*/

```
*"fluentSetterMethodName": "withFilters",
*"getterDocumentation": "/**

One or more filters.</p> <li> <p>
<code>description</code> - A description of the snapshot.</p> </li> <li> <p>
<code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p>
<code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p>
<code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p>
<code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p>
<code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p>
<code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p>
<code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> </li>
</ul>

*One or more filters.</p> <li> <p>
<code>description</code> - A description of the snapshot.</p> </li> <li> <p>
<code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p>
<code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p>
<code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p>
<code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p>
<code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p>
<code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p>
</ul>

*One or more filters.</p> <li> <p>
<code>description</code> - A description of the snapshot.</p> </li> <li> <p>
<code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p>
<code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p>
<code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p>
<code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p>
<code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p>
<code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p>
</ul>

*One or more filters.</p> <li> <p>
<code>description</code> - A description of the snapshot.</p> </li> <li> <p>
<code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p>
<code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p>
<code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p>
<code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p>
<code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p>
<code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p>
</ul>

*One or more filters.
*/

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*"getterMethodName": "getFilters",
*"getterModel": {
    *"returnType": "java.util.List<Filter>",
    *"documentation": null
},
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "Filter",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n * @return */",
      "getterMethodName": "getMember",
      "getterModel": {
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        "documentation": null
      }
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
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      "location": null,
      "marshallLocationName": "Filter",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Filter",
      "uri": false
    }
  }
"uri" : false
},
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"list" : false,
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"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list
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Not to be confused with the user-configured AWS account alias, which is set from the IAM console.<p> /</p> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> 

### Filters

- **<code>owner-alias</code>** - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.<p> /</p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li>

---

**setterMethodName** : "setFilters",

**setterModel** : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
}

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.<p> /</p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> </li>

---

**setterMethodName** : "setFilters",

**setterModel** : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
}

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A

---

**setterMethodName** : "setFilters",

**setterModel** : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
}

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A

---

**setterMethodName** : "setFilters",

**setterModel** : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
}

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A

---

**setterMethodName** : "setFilters",

**setterModel** : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>",
}

"simple" : false,
description of the snapshot.</p> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> <li> <p> <code>status</code> - The status of the snapshot (pending | completed | error).</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> <ul>
<li>Note: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</li>
</ul>

```java
public java.util.List<Filter> getFilters() {
    return new SdkInternalList<Filter>(filters);
}
```

}
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>\</param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to
@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

@returns Returns a reference to this object so that method calls can be chained together.

*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

    
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

    
    "enumType" : null,
    "fluentSetterDocumentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

    
    "getterDocumentation" : "/**<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>*/
    
    "fluentSetterMethodName" : "withMaxResults",
    "getterDocumentation" : "/**<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

    
    "xmlNameSpaceUri" : null
}
<code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

@returns The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.*/*

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>\n\n@param maxResults The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

\n\n@returns The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

*/"
number of snapshot results returned by `<code>DescribeSnapshots</code>` in paginated output. When this parameter is used, `<code>DescribeSnapshots</code>` only returns `<code>MaxResults</code>` results in a single page along with a `<code>NextToken</code>` response element. The remaining results of the initial request can be seen by sending another `<code>DescribeSnapshots</code>` request with the returned `<code>NextToken</code>` value. This value can be between 5 and 1000; if `<code>MaxResults</code>` is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then `<code>DescribeSnapshots</code>` returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request. */

```

```
"xmlns:NameSpaceUri" : null
],
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list</li> </ul> Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <ul> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot</li> </ul> Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <ul> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and the value of the tag value=\"X\" for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=\"X\"\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=\"X\"\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> </ul> 

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list</li> </ul> Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <ul> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot</li> </ul> Not to be confused with the user-configured AWS account alias, which is set from the IAM console. <ul> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and the value of the tag value=\"X\" for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=\"X\"\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=\"X\"\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> </ul> 

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> 

"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> 

"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> 

"xmlNameSpaceUri" : null
] },
status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>).</p> <li> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. <br> <li> </li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> <li> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> */

```
getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@method call this method \n@return Returns a reference to this object so that
method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@method call this method \n@return*
"@get\n@method call this method \n@return*

```
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
}
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <code>description</code> - A description of the snapshot.</li> <li> <code>owner-alias</code> - Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</li> <li> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</li> <li> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</li> <li> <code>snapshot-id</code> - The snapshot ID.</li> <li> <code>start-time</code> - The time stamp when the snapshot was initiated.</li> <li> <code>status</code> - The status of the snapshot.</li> <li> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>volume-id</code> - The ID of the volume the snapshot is for.</li> <li> <code>volume-size</code> - The size of the volume, in GiB.</li> </ul>
@param filters One or more filters.
"ul" <li> <p> <code>description</code> - A description of the snapshot.</p> </li> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (amazon | aws-marketplace | microsoft) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot.</p> </li> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot ID.</p> </li> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated.</p> </li> <li> <p> <code>status</code> - The status of the snapshot.</p> </li> <li> <p> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for.</p> </li> <li> <p> <code>volume-size</code> - The size of the volume, in GiB.</p> </li> <ul> <li>

value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for. </p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB. </p> <ul> <li> <p> <code>description</code> - A description of the snapshot. </p> <li> <p> <code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p> <li> <p> <code>owner-id</code> - The ID of the AWS account that owns the snapshot. </p> <li> <p> <code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%). </p> <li> <p> <code>snapshot-id</code> - The snapshot ID. </p> <li> <p> <code>start-time</code> - The time stamp when the snapshot was initiated. </p> <li> <p> <code>status</code> - The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> <li> <p> <code>volume-id</code> - The ID of the volume the snapshot is for. </p> <li> <p> <code>volume-size</code> - The size of the volume, in GiB. </p> </ul> </li> </ul> <p><strong>NOTE:</strong> This method appends the values to the existing list (if any). Use <code>{@link #setFilters(java.util.Collection)}</code> or <code>{@link #withFilters(java.util.Collection)}</code> if you want to override the existing values. <p>
@link #setFilters(java.util.Collection) if you want to override the existing values. <p>}</code>
the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>volume-id</code>: The ID of the volume the snapshot is for. </p> </li> <li> <p> <code>volume-size</code>: The size of the volume, in GiB. </p> </li>

@return Returns a reference to this object so that method calls can be chained together."/>

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <li><p> <code>description</code>: A description of the snapshot.</p> </li> <li><p> <code>owner-alias</code>: Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li><p> <code>owner-id</code>: The ID of the AWS account that owns the snapshot.</p> </li> <li><p> <code>progress</code>: The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li><p> <code>snapshot-id</code>: The snapshot ID.</p> </li> <li><p> <code>start-time</code>: The time stamp when the snapshot was initiated.</p> </li> <li><p> <code>status</code>: The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li><p> <code>tag</code>:<i>key</i>=<i>value</i>: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li><p> <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li><p> <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li><p> <code>volume-id</code>: The ID of the volume the snapshot is for.</p> </li> <li><p> <code>volume-size</code>: The size of the volume, in GiB. </p> </li>

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <li><p> <code>description</code>: A description of the snapshot.</p> </li> <li><p> <code>owner-alias</code>: Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li><p> <code>owner-id</code>: The ID of the AWS account that owns the snapshot.</p> </li> <li><p> <code>progress</code>: The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li><p> <code>snapshot-id</code>: The snapshot ID.</p> </li> <li><p> <code>start-time</code>: The time stamp when the snapshot was initiated.</p> </li> <li><p> <code>status</code>: The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li><p> <code>tag</code>:<i>key</i>=<i>value</i>: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li><p> <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li><p> <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li><p> <code>volume-id</code>: The ID of the volume the snapshot is for.</p> </li> <li><p> <code>volume-size</code>: The size of the volume, in GiB. </p> </li>

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <li><p> <code>description</code>: A description of the snapshot.</p> </li> <li><p> <code>owner-alias</code>: Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li><p> <code>owner-id</code>: The ID of the AWS account that owns the snapshot.</p> </li> <li><p> <code>progress</code>: The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li><p> <code>snapshot-id</code>: The snapshot ID.</p> </li> <li><p> <code>start-time</code>: The time stamp when the snapshot was initiated.</p> </li> <li><p> <code>status</code>: The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li><p> <code>tag</code>:<i>key</i>=<i>value</i>: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li><p> <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li><p> <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li><p> <code>volume-id</code>: The ID of the volume the snapshot is for.</p> </li> <li><p> <code>volume-size</code>: The size of the volume, in GiB. </p> </li>

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "<p>One or more filters.</p> <li><p> <code>description</code>: A description of the snapshot.</p> </li> <li><p> <code>owner-alias</code>: Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p> </li> <li><p> <code>owner-id</code>: The ID of the AWS account that owns the snapshot.</p> </li> <li><p> <code>progress</code>: The progress of the snapshot, as a percentage (for example, 80%).</p> </li> <li><p> <code>snapshot-id</code>: The snapshot ID.</p> </li> <li><p> <code>start-time</code>: The time stamp when the snapshot was initiated.</p> </li> <li><p> <code>status</code>: The status of the snapshot (<code>pending</code> | <code>completed</code> | <code>error</code>). </p> </li> <li><p> <code>tag</code>:<i>key</i>=<i>value</i>: The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li><p> <code>tag-key</code>: The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li><p> <code>tag-value</code>: The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li><p> <code>volume-id</code>: The ID of the volume the snapshot is for.</p> </li> <li><p> <code>volume-size</code>: The size of the volume, in GiB. </p> </li>
can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

"enumType": null,

"fluentSetterDocumentation": "/**\n<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>
*/

@param maxResults The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName": "withMaxResults",

"getterDocumentation": "/**\n<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>

@return The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

*/

@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getMaxResults",

"getterModel": {
"returnType": "Integer",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>
@param maxResults The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request. */
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>
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is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.</p>

"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

"@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

"@return Returns a reference to this object so that method calls can be chained together."*/

"fluentSetterDocumentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

"@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return."*/

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return."*/

"@return The <code>NextToken</code> value returned from a previous paginated
<code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return. */

getterMethodName" : "getNextToken",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>*/

setterMethodName" : "setNextToken",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous
paginated `<code>DescribeSnapshots</code>` request where `<code>MaxResults</code>` was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the `<code>NextToken</code>` value. This value is `<code>null</code>` when there are no more results to return. `<p>`

```java
@param nextToken The `<code>NextToken</code>` value returned from a previous paginated `<code>DescribeSnapshots</code>` request where `<code>MaxResults</code>` was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the `<code>NextToken</code>` value. This value is `<code>null</code>` when there are no more results to return. `<p>`

```
return
```

```java
@returns Returns a reference to this object so that method calls can be chained together.
```
"marshallLocationName" : "Owner",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Owner",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getDocumentation" : "/**\n@return */",
    "getMethodName" : "getMember",
    "getModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Owner",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Owner",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */
}
"setterMethodName": "setMember",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "member",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
   
   "simple": true,
   "varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
   "variableDeclarationType": "String",
   "variableName": "member",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"

   "xmlNameSpaceUri": null
   
   "memberLocationName": "Owner",
   "memberType": "String",
   "map": false,
   "marshallNonAutoConstructedEmptyLists": false,
   "memberAdditionalMarshallingPath": null,
   "memberAdditionalUnmarshallingPath": null,
   "sendEmptyQueryString": false,
   "simple": true,
   "simpleType": "String",
   "templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
   "templateType": "java.util.List<String>

   "map": false,
   "mapModel": null,
   "name": "OwnerIds",
   "setterDocumentation": "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>\n@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.*/",

"setterMethodName": "setOwnerIds",
"setterModel": {
   "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
   "variableName": "ownerIds",
   "variableType": "java.util.List<String>",
   "documentation": "",
   "simpleType": "List<String>",
   "variableSetterType": "java.util.Collection<String>"
"simple" : false,
"varargSetterDocumentation" : "/**<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>*/
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setOwnerIds(java.util.Collection)} or {@link #withOwnerIds(java.util.Collection)} if you want to override the existing values.</p>
@param ownerIds Returns the snapshots owned by the specified owner. Multiple owners can be specified.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ownerIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Returns the snapshots owned by the specified owner. Multiple owners can be specified.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"RestorableByUserIds" : {
"c2jName" : "RestorableByUserIds",
"c2jShape" : "RestorableByStringList",
"deprecated" : false,
"documentation" : "<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>*/
@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.
@return One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"fluentSetterMethodName" : "withRestorableByUserIds",
"getterDocumentation" : "/**<p>One or more AWS accounts IDs that can create volumes from the snapshot.</p>*/
@return One or more AWS accounts IDs that can create volumes from the snapshot.*/",
"getterMethodName" : "getRestorableByUserIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RestorableBy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RestorableBy"
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
    },
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RestorableByUserIds",
"setterDocumentation" : "/**\nOne or more AWS accounts IDs that can create volumes from the snapshot.

@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.

@link \n@link
*/",
"setterMethodName" : "setRestorableByUserIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "restorableByUserIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more AWS accounts IDs that can create volumes from the snapshot.

@param restorableByUserIds One or more AWS accounts IDs that can create volumes from the snapshot.

@link \n@link
*/
"
@link #setRestorableByUserIds(java.util.Collection) or @link #withRestorableByUserIds(java.util.Collection) if you want to override the existing values.</p>

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "restorableByUserIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more AWS accounts IDs that can create volumes from the snapshot.

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "restorableByUserIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more AWS accounts IDs that can create volumes from the snapshot.

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"SnapshotIds" : {
    "c2jName" : "SnapshotIds",
    "c2jShape" : "SnapshotIdStringList",
    "deprecated" : false,
    "documentation" : "One or more snapshot IDs.

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "restorableByUserIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more AWS accounts IDs that can create volumes from the snapshot.

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"SnapshotIds" : {
    "c2jName" : "SnapshotIds",
    "c2jShape" : "SnapshotIdStringList",
    "deprecated" : false,
    "documentation" : "One or more snapshot IDs.

@returns

Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "restorableByUserIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more AWS accounts IDs that can create volumes from the snapshot.

@returns

Returns a reference to this object so that method calls can be chained together.*"/
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}. 
"xmlNameSpaceUri" : null 
},
"memberLocationName" : "SnapshotId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "SnapshotIds",
"setterDocumentation" : "/**\nOne or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.
\n@param snapshotIds One or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.*/",
"setterMethodName" : "setSnapshotIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "snapshotIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : true,
"varargSetterDocumentation" : "/**\nOne or more snapshot IDs.
Default: Describes snapshots for which you have launch permissions.

\bNOTE: This method appends the values to the existing list (if any). Use [@link SnapshotIds(java.util.Collection)] or [@link withSnapshotIds(java.util.Collection)] if
you want to override the existing values.\n\@param snapshotIds One or more snapshot IDs.\n\@return Returns a reference to this object so that
method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "snapshotIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more snapshot IDs.</p>\n\@return Returns a reference to this object so that
method calls can be chained together.*/

"simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSnapshotsRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeSnapshotsRequest",
    "variableName" : "describeSnapshotsRequest",
    "variableType" : "DescribeSnapshotsRequest",
    "documentation" : null,
    "simpleType" : "DescribeSnapshotsRequest",
    "variableSetterType" : "DescribeSnapshotsRequest"
},
"wrapper" : false
},
"DescribeSnapshotsResult" : {
    "c2jName" : "DescribeSnapshotsResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeSnapshots.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
}
"c2jName": "Snapshots",
"c2jShape": "SnapshotList",
"deprecated": false,
"documentation": "<p>Information about the snapshots.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the snapshots.</p>
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSnapshots",
"getterDocumentation": "/**<p>Information about the snapshots.</p>
@return Information about the snapshots.*/",
"getterMethodName": "getSnapshots",
"getterModel": {
  "returnType": "java.util.List<Snapshot>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SnapshotSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "snapshotSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Snapshot",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Snapshot",
      "documentation": ""}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "member",
  "variableType" : "Snapshot",
  "documentation" : "",
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "member",
  "variableType" : "Snapshot",
  "documentation" : "",
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Snapshot",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Snapshot",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
"templateType" : "java.util.List<Snapshot>",
},
"map" : false,
"mapModel" : null,
"name" : "Snapshots",
"setterDocumentation" : "/**<p>Information about the snapshots.</p>
@param snapshots Information about
the snapshots.*/",
"setterMethodName" : "setSnapshots",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : "",
  "simpleType" : "List<Snapshot>",
  "variableSetterType" : "java.util.Collection<Snapshot>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the snapshots.</p>

@b NOTE: This method appends the values to the existing list (if any). Use {@link #setSnapshots(java.util.Collection)} or {@link 
#withSnapshots(java.util.Collection)} if you want to override the existing values.</p>\n@param snapshots

@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : "<p>Information about the snapshots.</p>",
  "simpleType" : "List<Snapshot>",
  "variableSetterType" : "java.util.Collection<Snapshot>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The <code>NextToken</code> value to include in a future
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<br><p>*/

@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<br><p>@return The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/

@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NextToken",
  "setterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<br><p>*/

@returns Returns a reference to this object so that method calls can be chained together.*/

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retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/*", 
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : 
  "p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null 
}],
"membersAsMap" : {
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : 
  "p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/
}
retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@returns Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/*<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/"

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/"

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
}
**varargSetterDocumentation**: "/*\*\*<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>\n@param nextToken The 
<code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results 
of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to 
retrieve the next page of results. This value is <code>null</code> when there are no more results to 
return.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The <code>NextToken</code> value to include in a future 
<code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed 
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is 
<code>null</code> when there are no more results to return.</p>"
},
"xmlNameSpaceUri" : null
},
"Snapshots" : {
    "c2jName" : "Snapshots",
    "c2jShape" : "SnapshotList",
    "deprecated" : false,
    "documentation" : "Information about the snapshots.
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSnapshots",
    "getterDocumentation" : "Information about the snapshots.\n@return Information about the snapshots.\n@param snapshots Information about the snapshots.\n@return Information about the snapshots.*/",
    "getterMethodName" : "getSnapshots",
    "getterModel" : {
        "returnType" : "java.util.List<Snapshot>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
    },
    "documentation" : "Information about the snapshots.
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "member",
  "variableType" : "Snapshot",
  "documentation" : "",
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "member",
  "variableType" : "Snapshot",
  "documentation" : "",
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Snapshot",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Snapshot",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
"templateType" : "java.util.List<Snapshot>
},
"map" : false,
"mapModel" : null,
"name" : "Snapshots",
"setterDocumentation" : "/**<p>Information about the snapshots.</p>
@param snapshots Information about the snapshots.*/",
"setterMethodName" : "setSnapshots",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : ""
"simpleType" : "List<Snapshot>",
"variableSetterType" : "java.util.Collection<Snapshot>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the snapshots.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSnapshots(java.util.Collection)} or {@link #withSnapshots(java.util.Collection)} if you want to override the existing values.</p>
@param snapshots Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Snapshot>",
  "variableName" : "snapshots",
  "variableType" : "java.util.List<Snapshot>",
  "documentation" : "<p>Information about the snapshots.</p>
  "simpleType" : "List<Snapshot>",
  "variableSetterType" : "java.util.Collection<Snapshot>",
  "xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSnapshotsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeSnapshotsResult",
  "variableName" : "describeSnapshotsResult",
  "variableType" : "DescribeSnapshotsResult",
  "documentation" : null,
  "simpleType" : "DescribeSnapshotsResult",
  "variableSetterType" : "DescribeSnapshotsResult"
},
"wrapper" : false
},
"DescribeSpotDatafeedSubscriptionRequest" : {
  "c2jName" : "DescribeSpotDatafeedSubscriptionRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotDatafeedSubscription.</p>",
}
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeSpotDatafeedSubscription",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeSpotDatafeedSubscriptionRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeSpotDatafeedSubscriptionRequest",
  "variableName": "describeSpotDatafeedSubscriptionRequest",
  "variableType": "DescribeSpotDatafeedSubscriptionRequest",
  "documentation": null,
  "simpleType": "DescribeSpotDatafeedSubscriptionRequest",
  "variableSetterType": "DescribeSpotDatafeedSubscriptionRequest"
},
"wrapper": false
},
"DescribeSpotDatafeedSubscriptionResult": {
  "c2jName": "DescribeSpotDatafeedSubscriptionResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeSpotDatafeedSubscription.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
"members": [ {
  "c2jName": "SpotDatafeedSubscription",
  "c2jShape": "SpotDatafeedSubscription",
  "deprecated": false,
  "documentation": "<p>The Spot instance data feed subscription.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The Spot instance data feed subscription.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSpotDatafeedSubscription",
  "getterDocumentation": "/**<p>The Spot instance data feed subscription.</p>
@return The Spot instance data feed subscription.*/",
  "getterMethodName": "getSpotDatafeedSubscription",
  "getterModel": {
  "returnType": "SpotDatafeedSubscription",
  "documentation": null
  
  },
  "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SpotDatafeedSubscription",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SpotDatafeedSubscription",
  "uri": false
  
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "SpotDatafeedSubscription",
  "setterDocumentation": "/**<p>The Spot instance data feed subscription.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setSpotDatafeedSubscription",
  "setterModel": {
  "variableDeclarationType": "SpotDatafeedSubscription",
  "variableName": "spotDatafeedSubscription",
  "variableType": "SpotDatafeedSubscription",
  "documentation": "",
  "simpleType": "SpotDatafeedSubscription",
  "variableSetterType": "SpotDatafeedSubscription"}
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotDatafeedSubscription",
    "variableName" : "spotDatafeedSubscription",
    "variableType" : "SpotDatafeedSubscription",
    "documentation" : "<p>The Spot instance data feed subscription.</p>",
    "simpleType" : "SpotDatafeedSubscription",
    "variableSetterType" : "SpotDatafeedSubscription"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
    "SpotDatafeedSubscription" : {
        "c2jName" : "SpotDatafeedSubscription",
        "c2jShape" : "SpotDatafeedSubscription",
        "deprecated" : false,
        "documentation" : "<p>The Spot instance data feed subscription.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withSpotDatafeedSubscription",
        "getterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@return The Spot instance data feed subscription.*/",
        "getterMethodName" : "getSpotDatafeedSubscription",
        "getterModel" : {
            "returnType" : "SpotDatafeedSubscription",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "SpotDatafeedSubscription",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "spotDatafeedSubscription",
            "uri" : false
        }
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotDatafeedSubscription",
"setterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param
spotDatafeedSubscription The Spot instance data feed subscription.*/",
"setterMethodName" : "setSpotDatafeedSubscription",
"setterModel" : {
"variableDeclarationType" : "SpotDatafeedSubscription",
"variableName" : "spotDatafeedSubscription",
"variableType" : "SpotDatafeedSubscription",
"documentation" : "",
"simpleType" : "SpotDatafeedSubscription",
"variableSetterType" : "SpotDatafeedSubscription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The Spot instance data feed subscription.</p>
@param
spotDatafeedSubscription The Spot instance data feed subscription.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SpotDatafeedSubscription",
"variableName" : "spotDatafeedSubscription",
"variableType" : "SpotDatafeedSubscription",
"documentation" : "<p>The Spot instance data feed subscription.</p>",
"simpleType" : "SpotDatafeedSubscription",
"variableSetterType" : "SpotDatafeedSubscription"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSpotDatafeedSubscriptionResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeSpotDatafeedSubscriptionResult",
"variableName" : "describeSpotDatafeedSubscriptionResult",
"variableType" : "DescribeSpotDatafeedSubscriptionResult",
"documentation" : null,
"simpleType" : "DescribeSpotDatafeedSubscriptionResult",
"variableSetterType" : "DescribeSpotDatafeedSubscriptionResult"
}
"wrapper": false,
"DescribeSpotFleetInstancesRequest": {
  "c2jName": "DescribeSpotFleetInstancesRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeSpotFleetInstances.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeSpotFleetInstances",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "SpotFleetRequestId",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The ID of the Spot fleet request.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The ID of the Spot fleet request.<p>

  @param spotFleetRequestId The ID of the Spot fleet request.

  @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withSpotFleetRequestId",
      "getterDocumentation": "/**<p>The ID of the Spot fleet request.<p>

  @return The ID of the Spot fleet request.

  */",
      "getterMethodName": "getSpotFleetRequestId",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "locationName": null,
        "requestUri": "/",
        "target": null,
        "verb": "POST",
        "xmlNameSpaceUri": null
      }
    }
  ]
}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of
the Spot fleet request.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The
ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.\</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token for the next set of results.\</p>\n@return Returns a reference to this object so that method calls can be chained
together. */

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>@return The token for the next set of results. */",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>@param nextToken The token for the next set of results. */",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>@param nextToken The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",}
"variableType" : "String",
"documentation" : "<p>The token for the next set of results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.*"*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*"*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned &lt;code&gt;NextToken&lt;/code&gt; value.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value. 

@return Returns a reference to this object so that method calls can be chained together. */

"getterDocumentation" : "/**p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.*/

@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value. 

@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value. */

"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.*/

@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value. 

@return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : ",",
"simpleType" : "Integer",
"variableSetterType" : "Integer",
"simple" : true,
"varargSetterDocumentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n\n@returns Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n  
  @param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n  
  @returns Returns a reference to this object so that method calls can be chained together.*\n",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token for the next set of results.\n  
  @param nextToken The token for the next set of results.\n  
  @returns Returns a reference to this object so that method calls can be chained together.*\n",
  "fluentSetterDocumentation" : "The token for the next set of results.\n  
  @param nextToken The token for the next set of results.\n  
  @returns Returns a reference to this object so that method calls can be chained together.*\n",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The token for the next set of results.\n  
  @returns The token for the next set of results.\n",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "marshallLocationName" : "NextToken",
    "marshallerLocationName" : null,
    "marshallingLocationName" : null,
    "optional" : false,
    "wrapper" : false
  }
}
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false}
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.*/",
"setterMethodName": "setNextToken",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"}
},
"simple": true,
"varargSetterDocumentation": "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "<p>The token for the next set of results.</p>",
"simpleType": "String",
"variableSetterType": "String"}
},
"xmlNameSpaceUri": null
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"SpotFleetRequestId": {
"c2jName": "SpotFleetRequestId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the Spot fleet request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSpotFleetRequestId",
"getterDocumentation": "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.*/",Open Source Used In Virtualized Voice Browser 12.6(1) 22046
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotFleetRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotFleetRequestId",
    "uri" : false,
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "SpotFleetRequestId",
    "setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.*/",
    "setterMethodName" : "setSpotFleetRequestId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "spotFleetRequestId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@n@param spotFleetRequestId The ID of the Spot fleet request.\n@n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "spotFleetRequestId",
        "variableType" : "String",
        "documentation" : "<p>The ID of the Spot fleet request.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**\n* The ID of the Spot fleet request.\n* @param spotFleetRequestId The ID of the Spot fleet request.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"activeInstances": [null]

"documentation": "The running instances. Note that this list is refreshed periodically and might be out of date."

"fluentSetterDocumentation": "The running instances. Note that this list is refreshed periodically and might be out of date."

"getterDocumentation": "The running instances. Note that this list is refreshed periodically and might be out of date."

"getterMethodName": "getActiveInstances"

"getterModel": {
  "returnType": "java.util.List<ActiveInstance>";
  "documentation": null
}

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ActiveInstanceSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "activeInstanceSet",
  "uri": false
}

"idempotencyToken": false,

"list": true,

"implType": "com.amazonaws.internal.SdkInternalList",

"interfaceType": "java.util.List",

"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "ActiveInstance",
  "deprecated": false,
  "documentation": "",
  "enumType": null
}
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ActiveInstance",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ActiveInstance",
"variableName" : "member",
"variableType" : "ActiveInstance",
"documentation" : "",
"simpleType" : "ActiveInstance",
"variableSetterType" : "ActiveInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ActiveInstance",
"variableName" : "member",
"variableType" : "ActiveInstance",
"documentation" : ""}
**The running instances. Note that this list is refreshed periodically and might be out of date.**

@method setActiveInstances

### setterDocumentation

The running instances. Note that this list is refreshed periodically and might be out of date.

### varargSetterDocumentation

The running instances. Note that this list is refreshed periodically and might be out of date.

@method \*\*\*<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>

@method setActiveInstances

### variableDocumentation

The running instances. Note that this list is refreshed periodically and might be out of date.

@method \*\*\*<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>

@method \*\*\*<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>

@method \*\*\*<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>
"xmlNameSpaceUri" : null,
}, {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;\n\n@return Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n@return The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n\n@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n\n@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n\n@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"getterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n@return The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
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"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**&lt;p&gt;The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;&lt;code&gt;\n\n@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.*\*/

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
"ActiveInstances" : {
"c2jName" : "ActiveInstances",
"c2jShape" : "ActiveInstanceSet",
"deprecated" : false,
"documentation" : "<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>
@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withActiveInstances",
"getterDocumentation" : "/**<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>
@return The running instances. Note that this list is refreshed periodically and might be out of date.*/",
"getterMethodName" : "getActiveInstances",
"getterModel" : {
"returnType" : "java.util.List<ActiveInstance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
null
}
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ActiveInstance",
  "variableName" : "member",
  "variableType" : "ActiveInstance",
  "documentation" : "",
  "simpleType" : "ActiveInstance",
  "variableSetterType" : "ActiveInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ActiveInstance",
  "variableName" : "member",
  "variableType" : "ActiveInstance",
  "documentation" : "",
  "simpleType" : "ActiveInstance",
  "variableSetterType" : "ActiveInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ActiveInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ActiveInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ActiveInstance>",
"templateType" : "java.util.List<ActiveInstance>",
"map" : false,
"mapModel" : null,
"name" : "ActiveInstances",
"setterDocumentation" : "/**\n@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setActiveInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ActiveInstance>",
  "variableName" : "activeInstances",
  "variableType" : "ActiveInstance",
  "documentation" : "",
  "simpleType" : "ActiveInstance",
  "variableSetterType" : "ActiveInstance"}
"variableType" : "java.util.List<ActiveInstance>",
"documentation" : "",
"simpleType" : "List<ActiveInstance>",
"variableSetterType" : "java.util.Collection<ActiveInstance>
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The running instances. Note that this list is refreshed periodically and might be out of date.</p>
*p>NOTE:</b> This method appends the values to the existing list (if any). Use [
@link #setActiveInstances(java.util.Collection)] or [
@link #withActiveInstances(java.util.Collection)] if you want to override the existing values.</p>
@param activeInstances The running instances. Note that this list is refreshed periodically and might be out of date.
*/",
"simpleType" : "List<ActiveInstance>",
"variableSetterType" : "java.util.Collection<ActiveInstance>
",
"complexType" : "com.amazonaws.internal.SdkInternalList<ActiveInstance>",
"variableName" : "activeInstances",
"variableType" : "java.util.List<ActiveInstance>",
"documentation" : "The running instances. Note that this list is refreshed periodically and might be out of date.
",
"simpleType" : "List<ActiveInstance>",
"variableSetterType" : "java.util.Collection<ActiveInstance>
",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ActiveInstance>",
"variableName" : "activeInstances",
"variableType" : "java.util.List<ActiveInstance>",
"documentation" : "The running instances. Note that this list is refreshed periodically and might be out of date.
",
"simpleType" : "List<ActiveInstance>",
"variableSetterType" : "java.util.Collection<ActiveInstance>
",
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
",
"simpleType" : "String",
"variableSetterType" : "java.util.Collection<ActiveInstance>
",
"xmlNameSpaceUri" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
</code>null</code> when there are no more results to return.</p>
@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The token required to retrieve the next set of results. This value is
</code>null</code> when there are no more results to return.</p>
@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
"documentation": "<p>The ID of the Spot fleet request.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
 * The ID of the Spot fleet request.
 */
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withSpotFleetRequestId",
"getterDocumentation": "/**
 * The ID of the Spot fleet request.
 */
@return The ID of the Spot fleet request."
 Getter Method: 

getterMethodName" : "getSpotFleetRequestId",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation": "/**
 * The ID of the Spot fleet request.
 */
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setSpotFleetRequestId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation": "/**
 * The ID of the Spot fleet request.
 */
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
*/"}
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ 
"c2jName" : "SpotFleetRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/** <p>The ID of the Spot fleet request.</p>\n@return The ID of the Spot fleet request.\*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/** <p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : { 

"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The
ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EventType",
"c2jShape" : "EventType",
"deprecated" : false,
"documentation" : "<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@return
Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"fluentSetterDocumentation" : "/**<p>The type of events to describe. By default, all events are
described.</p>
@param eventType The type of events to describe. By default, all events are described.
@return
Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"fluentSetterMethodName" : "withEventType",
"getterDocumentation" : "/**<p>The type of events to describe. By default, all events are
described.</p>
@return The type of events to describe. By default, all events are described.
@see EventType*/",
"getterMethodName" : "getEventType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EventType",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@see EventType*/",
"setterMethodName" : "setEventType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "<p>The type of events to describe. By default, all events are described.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"fluentSetterMethodName" : "withStartTime",
"vararg" : true,
"getterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"getterMethodName" : "getStartTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StartTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "startTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls
"simple" : true,
can be chained together. */

"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of results.

/**
 * The token for the next set of results.
 * @param nextToken The token for the next set of results.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterDocumentation" : "The token for the next set of results.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token for the next set of results.

@return The token for the next set of results.

"getterMethodName" : "getNextToken",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>\n@param nextToken The token for
the next set of results. */",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>\n@param nextToken The
token for the next set of results.
@return Returns a reference to this object so that method calls can be chained
together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1
and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a
value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in
a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make
another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained
together. */",
  "fluentSetterMethodName" : "withMaxResults",
  "getterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a
value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in
a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make
another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained
together. */",
  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>The maximum number of results to return in a single call. Specify a value
between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a
value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the
returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in
a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make
another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained
together. */
"
**MaxResults**

*Setter Documentation*

```java
/**
 * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 */
```

```java
setMaxResults
```

```java
setMaxResults
```

*Vararg Setter Documentation*

```java
/**
 * The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
 */
```

```java
return
```

```java
return
```
The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

The type of events to describe. By default, all events are described.

Returns a reference to this object so that method calls can be chained together.

The type of events to describe. By default, all events are described.

The type of events to describe. By default, all events are described.

The type of events to describe. By default, all events are described.
@param eventType The type of events to describe. By default, all events are described.
@see EventType*/

setterMethodName" : "setEventType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "complexType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The type of events to describe. By default, all events are described.</p>
@param eventType The type of events to describe. By default, all events are described.
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "complexType" : "String",
  "documentation" : "<p>The type of events to describe. By default, all events are described.</p>

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"MaxResults" : {
  "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

  "getterDocumentation" : "/*<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

  "getterMethodName" : "getMaxResults",
  "getterModel" : {
    "returnType" : "Integer",
  }
}
**setterDocumentation**

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

### @param maxResults
The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

```
@returns
Returns a reference to this object so that method calls can be chained together.
```

**setterMethodName**

`setMaxResults`

**setterModel**

```
{  
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
```

**simple**

true

**varargSetterDocumentation**

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `<code>NextToken</code>` value.

```
@returns
Returns a reference to this object so that method calls can be chained together.
```

**variable**

```
{  
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer"
}
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned
<code>NextToken</code> value.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param nextToken The token for the next set of results.*/",
"getterDocumentation" : "/*@param nextToken The token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/*@param nextToken The token for the next set of results.*/"}
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSpotFleetRequestId",
  "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.
*/",
  "getterMethodName" : "getSpotFleetRequestId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
The ID of the Spot fleet request.

@returns Returns a reference to this object so that method calls can be chained together.

The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

The ID of the Spot fleet request.

The ID of the Spot fleet request.

The ID of the Spot fleet request.
**getStartTime**:

- **Return type**: java.util.Date
- **Documentation**: The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).

**setStartTime**:

- **Variable Declaration Type**: java.util.Date
- **Variable Name**: startTime

**Additional Marshalling Path**: null

**Additional Unmarshalling Path**: null

**Flatened**: false

**Greedy**: false

**Is Payload**: false

**Is Streaming**: false

**Location**: null

**Marshall Location Name**: startTime

**QueryString**: false

**Status Code**: false

**Unmarshall Location Name**: startTime

**Uri**: false

**Idempotency Token**: false

**List**: false

**List Model**: null

**Map**: false

**Map Model**: null

**Name**: startTime

**Getter Method Name**: getStartTime

**Setter Method Name**: setStartTime

**Vararg Setter Documentation**: The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@param startTime The starting date and time for the events, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
   "variableDeclarationType" : "java.util.Date",
   "variableName" : "startTime",
   "variableType" : "java.util.Date",
   "documentation" : "The starting date and time for the events, in UTC format (for example, YYYY-MM-DDT HH:MM:SSZ).",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "StartTime" ],
"shapeName" : "DescribeSpotFleetRequestHistoryRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "DescribeSpotFleetRequestHistoryRequest",
   "variableName" : "describeSpotFleetRequestHistoryRequest",
   "variableType" : "DescribeSpotFleetRequestHistoryRequest",
   "documentation" : null,
   "simpleType" : "DescribeSpotFleetRequestHistoryRequest",
   "variableSetterType" : "DescribeSpotFleetRequestHistoryRequest"
},
"wrapper" : false
},
"DescribeSpotFleetRequestHistoryResult" : {
   "c2jName" : "DescribeSpotFleetRequestHistoryResponse",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "Contains the output of DescribeSpotFleetRequestHistory."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members": [ {
  "c2jName": "SpotFleetRequestId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the Spot fleet request.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.</n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSpotFleetRequestId",
  "getterDocumentation": "/**<p>The ID of the Spot fleet request.</p>@return The ID of the Spot fleet request.*/",
  "getterMethodName": "getSpotFleetRequestId",
  "getterModel": { 
    "returnType": "String",
    "documentation": null
  },
  "http": { 
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "SpotFleetRequestId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "SpotFleetRequestId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "SpotFleetRequestId",
  "setterDocumentation": "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.*/",
  "setterMethodName": "setSpotFleetRequestId",
  "setterModel": { 
    "variableDeclarationType": "String",
    "variableName": "spotFleetRequestId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"}
"simple": true,
"varargSetterDocumentation": "/**\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "spotFleetRequestId",
"variableType": "String",
"documentation": "+\nThe ID of the Spot fleet request.\n",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"c2jName": "StartTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "+\nThe starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).</i>.\n",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).</i>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStartTime",
"getterDocumentation": "+\n@return The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>).</i>.\n",
"getterMethodName": "getStartTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StartTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The
starting date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls
 can be chained together. */",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were
retrieved. If <code>nextToken</code> indicates that there are more results, this value is not present.</p>*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LastEvaluatedTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The last date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were
retrieved. If <code>nextToken</code> indicates that there are more results, this value is not present.</p>*/"}
If `<code>nextToken</code>` indicates that there are more results, this value is not present. `<p>`

```
@Param lastEvaluatedTime The last date and time for the events, in UTC format (for example, YYYY-MM-DD HH:MM:SS Z). All records up to this time were retrieved.
```

If `<code>nextToken</code>` indicates that there are more results, this value is not present. `<p>`

```
@Return Returns a reference to this object so that method calls can be chained together.*\*/
```

"setterMethodName" : "setLastEvaluatedTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime",
  "getterMethodName" : "getLastEvaluatedTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  }
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LastEvaluatedTime",
"setterDocumentation" : "The last date and time for the events, in UTC format (for example, YYYY-MM-DD HH:MM:SS Z). All records up to this time were retrieved.

If `<code>nextToken</code>` indicates that there are more results, this value is not present. `<p>`

```
@Param lastEvaluatedTime The last date and time for the events, in UTC format (for example, YYYY-MM-DD HH:MM:SS Z). All records up to this time were retrieved.
```

If `<code>nextToken</code>` indicates that there are more results, this value is not present. `<p>`

```
@Return Returns a reference to this object so that method calls can be chained together.*\*/
```

"setterMethodName" : "setLastEvaluatedTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime"
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The last date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>
If <code>nextToken</code> indicates that there are more results, this value is not present.

@parm lastEvaluatedTime The last date and time for the events, in UTC format (for example, 
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.

If <code>nextToken</code> indicates that there are more results, this value is not present.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.</p>
If <code>nextToken</code> indicates that there are more results, this value is not present.

@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "HistoryRecords",
"c2jShape" : "HistoryRecords",
"deprecated" : false,
"documentation" : "<p>Information about the events in the history of the Spot fleet request.</p>

If <code>nextToken</code> indicates that there are more results, this value is not present.

@return Information about the events in the history of the Spot fleet request.

@fluentSetterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.

@parm historyRecords Information about the events in the history of the Spot fleet request.

@return Returns a reference to this object so that method calls can be chained together.*/",

@fluentSetterMethodName" : "withHistoryRecords",
"getterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.

@return Information about the events in the history of the Spot fleet request.

@getterMethodName" : "getHistoryRecords",
"getterModel" : {
  "returnType" : "java.util.List<HistoryRecord>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HistoryRecordSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "historyRecordSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "HistoryRecord",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "HistoryRecord",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "HistoryRecord",
"variableName": "member",
"variableType": "HistoryRecord",
"documentation": "",
"simpleType": "HistoryRecord",
"variableSetterType": "HistoryRecord"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "HistoryRecord",
"variableName": "member",
"variableType": "HistoryRecord",
"documentation": "",
"simpleType": "HistoryRecord",
"variableSetterType": "HistoryRecord"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "HistoryRecord",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "HistoryRecord",
"templateImplType": "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"templateType": "java.util.List<HistoryRecord>",
"map": false,
"mapModel": null,
"name": "HistoryRecords",
"setterDocumentation": "\n<p>Information about the events in the history of the Spot fleet request.\n@param historyRecords Information about the events in the history of the Spot fleet request.*/",
"setterMethodName": "setHistoryRecords",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"variableName": "historyRecords",
"variableType": "java.util.List<HistoryRecord>",
"documentation": "",
"simpleType": "List<HistoryRecord>",
"simple": false,
"simpleType": "List<HistoryRecord>"}
"variableSetterType" : "java.util.Collection<HistoryRecord>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the events in the history of the Spot fleet request.
NOTE: This method appends the values to the existing list (if any).
Use: {@link #setHistoryRecords(java.util.Collection)} or
{@link #withHistoryRecords(java.util.Collection)} if you want to
override the existing values.</p>
@param historyRecords Information about the events in the history of the Spot
fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"variableName" : "historyRecords",
"variableType" : "java.util.List<HistoryRecord>",
"documentation" : "Information about the events in the history of the Spot fleet request.
"simpleType" : "List<HistoryRecord>",
"variableSetterType" : "java.util.Collection<HistoryRecord>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
"enumType" : null,
"fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.
@return The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to
retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code>
when there are no more results to return.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "HistoryRecords" : {
    "c2jName" : "HistoryRecords",
    "c2jShape" : "HistoryRecords",
    "deprecated" : false,
    "documentation" : "<p>Information about the events in the history of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/***<p>Information about the events in the history of the Spot fleet
request.</p>
@param historyRecords Information about the events in the history of the Spot fleet
request.*/
@return Returns a reference to this object so that method calls can be chained together.*/
"
"fluentSetterMethodName" : "withHistoryRecords",
"getterDocumentation" : "/**<p>Information about the events in the history of the Spot fleet request.</p>@return Information about the events in the history of the Spot fleet request.*/",
"getterMethodName" : "getHistoryRecords",
"getterModel" : {
"returnType" : "java.util.List<HistoryRecord>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HistoryRecordSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "historyRecordSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "HistoryRecord",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "HistoryRecord",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "HistoryRecord",
  "variableName" : "member",
  "variableType" : "HistoryRecord",
  "documentation" : "",
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
  "variableDeclarationType" : "HistoryRecord",
  "variableName" : "member",
  "variableType" : "HistoryRecord",
  "documentation" : "",
  "simpleType" : "HistoryRecord",
  "variableSetterType" : "HistoryRecord"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "HistoryRecord",
"map" : false,
"marshallNonAutoConstructorEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQuery" : false,
"simple" : false,
"simpleType" : "HistoryRecord"
"templateImplType": "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"templateType": "java.util.List<HistoryRecord>",
"map": false,
"mapModel": null,
"name": "HistoryRecords",
"setterDocumentation": "/**<p>Information about the events in the history of the Spot fleet request.</p>
@param historyRecords Information about the events in the history of the Spot fleet request.
*/",
"setterMethodName": "setHistoryRecords",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"variableName": "historyRecords",
"variableType": "java.util.List<HistoryRecord>",
"documentation": "",
"simpleType": "List<HistoryRecord>",
"variableSetterType": "java.util.Collection<HistoryRecord>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the events in the history of the Spot fleet request.</p>
<p>NOTE:</p> This method appends the values to the existing list (if any). Use [setterHistoryRecords(java.util.Collection)] or [withHistoryRecords(java.util.Collection)] if you want to override the existing values.
@param historyRecords Information about the events in the history of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HistoryRecord>",
"variableName": "historyRecords",
"variableType": "java.util.List<HistoryRecord>",
"documentation": "Information about the events in the history of the Spot fleet request.
",
"simpleType": "List<HistoryRecord>",
"variableSetterType": "java.util.Collection<HistoryRecord>"
},
"xmlNameSpaceUri": null,
"LastEvaluatedTime": {
"c2jName": "LastEvaluatedTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "The last date and time for the events, in UTC format (for example, YYYY-MM-DD'T'HH:mm:SSZ). All records up to this time were retrieved.
If nextToken indicates that there are more results, this value is not present.

"enumType": null,
"fluentSetterDocumentation": "The last date and time for the events, in UTC format (for example, YYYY-MM-DD'T'HH:mm:SSZ). All records up to this time were retrieved.
If nextToken indicates that there are more results, this value is not present.

"xmlNameSpaceUri": null,
"getterMethodName" : "withLastEvaluatedTime",
"getterDocumentation" : "/*\<p>The last date and time for the events, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.\</p> <p>If \<code>nextToken</code> indicates that there are more results, this value is not present.\*/",
"getterModel" : {
   "returnType" : "java.util.Date",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "LastEvaluatedTime",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "lastEvaluatedTime",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LastEvaluatedTime",
"setterDocumentation" : "/*\<p>The last date and time for the events, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were retrieved.\</p> <p>If \<code>nextToken</code> indicates that there are more results, this value is not present.\*/",
"setterMethodName" : "setLastEvaluatedTime",
"setterModel" : {
   "variableDeclarationType" : "java.util.Date",
   "variableName" : "lastEvaluatedTime",
   "variableType" : "java.util.Date",
   "documentation" : "",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
}
"simple" : true,
"varargSetterDocumentation" : "/**\nThe last date and time for the events, in UTC format (for example, \n<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were
retrieved.\*/
\nIf <code>nextToken</code> indicates that there are more results, this value is not
present.\n\n*/
\n@param lastEvaluatedTime The last date and time for the events, in UTC format (for example, \n<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were
retrieved.\n\nIf <code>nextToken</code> indicates that there are more results, this value is not
present.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "lastEvaluatedTime",
  "variableType" : "java.util.Date",
  "documentation" : "The last date and time for the events, in UTC format (for example, \n<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). All records up to this time were
retrieved.\n\nIf <code>nextToken</code> indicates that there are more results, this value is not
present.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null,

"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.<p>\n",  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>\n",  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The
ID of the Spot fleet request.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withSpotFleetRequestId",
"getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@return The ID of the Spot fleet request.</p>*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SpotFleetRequestId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "spotFleetRequestId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.</p>*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "spotFleetRequestId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>@param spotFleetRequestId The ID of the Spot fleet request.</p>*/",
"variable" : {
 "variableDeclarationType" : "String",
}
"variableName": "spotFleetRequestId",
"variableType": "String",
"documentation": "<p>The ID of the Spot fleet request.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"StartTime": {
"c2jName": "StartTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD</i> - <i>HH:MM:SS</i>).</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>).</p>
@param startTime The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>).<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStartTime",
"getterDocumentation": "/**<p>The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>).</p>
@return The starting date and time for the events, in UTC format (for example, <i>YYYY-MM-DD HH:MM:SS</i>). */",
"getterMethodName": "getStartTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StartTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "startTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, \(<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z)</p>.\n@param startTime The starting date and time for the events, in UTC format (for example, \(<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The starting date and time for the events, in UTC format (for example, \(<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n@param startTime The starting date and time for the events, in UTC format (for example, \(<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The starting date and time for the events, in UTC format (for example, \(<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "StartTime", "LastEvaluatedTime", "HistoryRecords" ],
"shapeName" : "DescribeSpotFleetRequestHistoryResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeSpotFleetRequestHistoryResult",
    "variableName" : "describeSpotFleetRequestHistoryResult",
    "variableType" : "DescribeSpotFleetRequestHistoryResult",
    "documentation" : null,
    "simpleType" : "DescribeSpotFleetRequestHistoryResult",
    "xmlNameSpaceUri" : null
}
"variableSetterType" : "DescribeSpotFleetRequestHistoryResult",
"wrapper" : false
}
"DescribeSpotFleetRequestsRequest" : {
"c2jName" : "DescribeSpotFleetRequestsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSpotFleetRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeSpotFleetRequests",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
{
"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>\n@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>\n@returns The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SpotFleetRequestId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SpotFleetRequestId",
"uri": false,
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return *
*/`,
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false,
},
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds",
"setterDocumentation" : "/**\n<p>The IDs of the Spot fleet requests.\n\n@param spotFleetRequestIds The IDs of the Spot fleet requests.\n\n*/",
"setterMethodName" : "setSpotFleetRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"variableName" : "spotFleetRequestIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
 NOTE: This method appends the values to the existing list (if any). Use { @link #setSpotFleetRequestIds(java.util.Collection)} or { @link #withSpotFleetRequestIds(java.util.Collection)} if you want to override the existing values.*/

 @param spotFleetRequestIds The IDs of the Spot fleet requests.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotFleetRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Spot fleet requests.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of results.*/

 @param nextToken The token for the next set of results.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>

 @param nextToken The token for the next set of results.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>

 @return The token for the next set of results.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token for the next set of results.</p>\n@param nextToken The token for the next set of results.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token for the next set of results.</p>\n@param nextToken The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token for the next set of results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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method calls can be chained together.*"",
   "fluentSetterMethodName" : "withMaxResults",
   "getterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
   "getterMethodName" : "getMaxResults",
   "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
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      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "maxResults",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "MaxResults",
   "setterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
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   "setterModel" : {
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      "variableName" : "maxResults",
      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
   },
   "simple" : true,
"varargSetterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
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    "simpleType": "Integer",
    "variableSetterType": "Integer"
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"membersAsMap": {
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    "c2jName": "MaxResults",
    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": ":<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName": "withMaxResults",
    "getterDocumentation": "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n</p>\n@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/\n
    "getterMethodName": "getMaxResults",
    "getterModel": {
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        "documentation": null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"uri" : false,
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"map" : false,
"mapModel" : null,
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@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
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  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
  "simple" : true,
  "varargSetterDocumentation" : "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."
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"xmlNameSpaceUri" : null,
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"NextToken" : [
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "@param nextToken The token for the next set of results.
@return The token for the next set of results.*/",
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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"name" : "NextToken",
"setterDocumentation" : "@param nextToken The token for the next set of results.
@return The token for the next set of results.*/",
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"variableType" : "String",
"documentation" : null,
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The token for the next set of results.\n@param nextToken The token for the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The token for the next set of results.</p",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "SpotFleetRequestIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Spot fleet requests.</p",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestIds",
"getterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@return The IDs of the Spot fleet requests.*/",
"getterMethodName" : "getSpotFleetRequestIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
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"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestId",
"uri" : false
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"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "//\n/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "//\n/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "//\n/**\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
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      "variableName": "member",
      "variableType": "String",
      "variableSetterName": "setMember"
    }
  }
}
}
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}. 
"xmlNameSpaceUri" : null
].
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
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"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestIds",
"setterDocumentation" : "/**<p>The IDs of the Spot fleet requests.</p>
@param spotFleetRequestIds The IDs of the Spot fleet requests.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "spotFleetRequestIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"}. 
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The IDs of the Spot fleet requests.</p>

@link #setSpotFleetRequestIds(java.util.Collection) or @link #withSpotFleetRequestIds(java.util.Collection) if you want to override the existing values.</p>

@return Returns a reference to this object so that method calls can be chained together.*/

\n@para...
calls can be chained together. */

    "variable" : {

        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
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        "variableType" : "java.util.List<String>",
        "documentation" : "<p>The IDs of the Spot fleet requests.</p>",
        "simpleType" : "List<String>",
        "variableSetterType" : "java.util.Collection<String>",
    },
    "xmlNameSpaceUri" : null
};

requestSignerAware" : false,
requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeSpotFleetRequestsRequest",
unmarshaller" : null,

"variable" : {

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        "variableType" : "DescribeSpotFleetRequestsRequest",
        "documentation" : null,
        "simpleType" : "DescribeSpotFleetRequestsRequest",
        "variableSetterType" : "DescribeSpotFleetRequestsRequest"
    },
    "wrapper" : false
},

"DescribeSpotFleetRequestsResult" : {
    "c2jName" : "DescribeSpotFleetRequestsResponse",
    "customization" : {

        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeSpotFleetRequests.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [

        "c2jName" : "SpotFleetRequestConfigs",
        "c2jShape" : "SpotFleetRequestConfigSet",
        "deprecated" : false,
"documentation" : "<p>Information about the configuration of your Spot fleet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.</p>
@param
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestConfigs",
"getterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.</p>
@return
@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSpotFleetRequestConfigs",
"getterModel" : {
"returnType" : "java.util.List<SpotFleetRequestConfig>",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName" : "SpotFleetRequestConfigSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SpotFleetRequestConfig",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@returns *

@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SpotFleetRequestConfig",
"documentation" : null
}.

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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "SpotFleetRequestConfig",
  "documentation": "",
  "simpleType": "SpotFleetRequestConfig",
  "variableSetterType": "SpotFleetRequestConfig"
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"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "SpotFleetRequestConfig",
  "documentation": "",
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  "variableSetterType": "SpotFleetRequestConfig"
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"memberLocationName": "item",
"memberType": "SpotFleetRequestConfig",
"map": false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotFleetRequestConfig",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"templateType" : "java.util.List<SpotFleetRequestConfig>"
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"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestConfigs",
"setterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.</p>
@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.*/",
"setterMethodName" : "setSpotFleetRequestConfigs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"variableName" : "spotFleetRequestConfigs",
"variableType" : "java.util.List<SpotFleetRequestConfig>",
"documentation" : "",
"simpleType" : "List<SpotFleetRequestConfig>",
"variableSetterType" : "java.util.Collection<SpotFleetRequestConfig>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the configuration of your Spot fleet.<p>&lt;/p&gt;&lt;br&gt; This method appends the values to the existing list (if any). Use { @link #setSpotFleetRequestConfigs(java.util.Collection)} or { @link #withSpotFleetRequestConfigs(java.util.Collection)} if you want to override the existing values.&lt;/p&gt;&lt;n&gt;@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"variableName" : "spotFleetRequestConfigs",
"variableType" : "java.util.List<SpotFleetRequestConfig>",
"documentation" : "<p>Information about the configuration of your Spot fleet.&lt;/p&gt;",
"simpleType" : "List<SpotFleetRequestConfig>",
"variableSetterType" : "java.util.Collection<SpotFleetRequestConfig>"
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"xmlNameSpaceUri" : null,
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.&lt;/p&gt;&lt;n&gt;@param nextToken The token required to retrieve the next set of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/n&gt;*/"
}
Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
  "NextToken": {
  "c2jName": "NextToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.",
  "enumType": null,
  "fluentSetterDocumentation": "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n@returns A reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "withNextToken",
  "getterDocumentation": "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
  "getterMethodName": "getNextToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NextToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "nextToken",
    "uri": false
  },
  "idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>\n@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"SpotFleetRequestConfigs" : {
   "c2jName" : "SpotFleetRequestConfigs",
   "c2jShape" : "SpotFleetRequestConfigSet",
   "deprecated" : false,
   "documentation" : "<p>Information about the configuration of your Spot fleet.\n</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/*<p>Information about the configuration of your Spot fleet.\n@param spotFleetRequestConfigs Information about the configuration of your Spot fleet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withSpotFleetRequestConfigs",
   "getterDocumentation" : "/*<p>Information about the configuration of your Spot fleet.\n@return Information about the configuration of your Spot fleet.*/",
   "getterMethodName" : "getSpotFleetRequestConfigs",
   "getterModel" : {
      "returnType" : "java.util.List<SpotFleetRequestConfig>";
   }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestConfigSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestConfigSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SpotFleetRequestConfig",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SpotFleetRequestConfig",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "uri" : false
  }
}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "member",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "member",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "member",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : "",
  "simpleType" : "SpotFleetRequestConfig",
  "variableSetterType" : "SpotFleetRequestConfig"
},
"simple" : false,
"memberLocationName" : "item",
"memberType" : "SpotFleetRequestConfig",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotFleetRequestConfig",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
"templateType" : "java.util.List<SpotFleetRequestConfig>",
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestConfigs"
"setterDocumentation" : "/**\n<p>Information about the configuration of your Spot fleet.</p>*/",
"setterMethodName" : "setSpotFleetRequestConfigs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
  "variableName" : "spotFleetRequestConfigs",
  "variableType" : "java.util.List<SpotFleetRequestConfig>",
  "documentation" : "",
  "simpleType" : "List<SpotFleetRequestConfig>",
  "variableSetterType" : "java.util.Collection<SpotFleetRequestConfig>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the configuration of your Spot fleet.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setSpotFleetRequestConfigs(java.util.Collection) or @link #withSpotFleetRequestConfigs(java.util.Collection) } if you want to override the existing values.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetRequestConfig>",
  "variableName" : "spotFleetRequestConfigs",
  "variableType" : "java.util.List<SpotFleetRequestConfig>",
  "documentation" : "<p>Information about the configuration of your Spot fleet.</p>",
  "simpleType" : "List<SpotFleetRequestConfig>",
  "variableSetterType" : "java.util.Collection<SpotFleetRequestConfig>",
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestConfigs" ],
"shapeName" : "DescribeSpotFleetRequestsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeSpotFleetRequestsResult",
  "variableName" : "describeSpotFleetRequestsResult",
  "variableType" : "DescribeSpotFleetRequestsResult",
  "documentation" : null,
  "simpleType" : "DescribeSpotFleetRequestsResult",
  "variableSetterType" : "DescribeSpotFleetRequestsResult",
},
"wrapper" : false
},
"DescribeSpotInstanceRequestsRequest" : {
"c2jName" : "DescribeSpotInstanceRequestsRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSpotInstanceRequests.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeSpotInstanceRequests",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "SpotInstanceRequestIds",
    "c2jShape" : "SpotInstanceRequestIdList",
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance request IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotInstanceRequestIds",
    "getterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@return One or more Spot instance request IDs.
*/",
    "getterMethodName" : "getSpotInstanceRequestIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotInstanceRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotInstanceRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotInstanceRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotInstanceRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member"
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SpotInstanceRequestId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestIds",
"setterDocumentation" : "/**\n<p>One or more Spot instance request IDs.</p>
@param spotInstanceRequestIds One or more Spot instance request IDs.*\n*/",
"setterMethodName" : "setSpotInstanceRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
### Filters

*One or more filters.*

- `Availability Zone group` - The Availability Zone group.
- `Create time` - The time stamp when the Spot instance request was created.
- `Fault code` - The fault code related to the request.
- `Fault message` - The fault message related to the request.
- `Instance ID` - The ID of the instance that fulfilled the request.
- `Launch group` - The Spot instance launch group.
- `Launch block device mapping delete on termination` - Indicates whether the Amazon EBS volume is deleted on instance termination.
- `Launch block device mapping device name` - The device name for the Amazon EBS volume.
- `Launch block device mapping volume size` - The size of the Amazon EBS volume, in GiB.
- `Launch block device mapping volume type` - The type of the Amazon EBS volume.
- `General Purpose SSD` - For General Purpose SSD.
- ` Provisioned IOPS SSD` - For Provisioned IOPS SSD.
- `Throughput Optimized HDD` - For Throughput Optimized HDD.
- `Cold HDD` - For Cold HDD, or `Standard` for Magnetic.
- `Launch group id` - The security group for the instance.
- `Launch image id` - The ID of the AMI.
- `Launch instance type` - The type of instance (for example, `m3.medium`).
- `Launch key name` - The name of the key pair the instance launched with.
- `Launch monitoring enabled` - Whether monitoring is enabled for the Spot instance.
- `Launch ram disk id` - The RAM disk ID.
- `Launch network interface` - The ID of the network interface.
- `Device index` - The index of the device for the network interface attachment on the instance.
- `Network interface description` - A description of the network interface.
- `Private ip address` - The primary private IP address of the network interface.
- `Delete on termination` - Indicates whether the network interface is deleted when the instance is terminated.
- `Security group id` - The ID of the security group associated with the network interface.
interface.group-name</code> - The name of the security group associated with the network interface.</li> <li> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</li> <li> <code>product-description</code> - The product description associated with the instance</li> <li> <code>spot-instance-request-id</code> - The Spot instance request ID.</li> <li> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</li> <li> <code>state</code> - The state of the Spot instance request.</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).</li> <li> <code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</li> <li> <code>valid-from</code> - The start date of the request.</li> <li> <code>valid-until</code> - The end date of the request.</li> <ul>
  <li> <code>availability-zone-group</code> - The Availability Zone group.</li> <li> <code>create-time</code> - The time stamp when the Spot instance request was created.</li> <li> <code>fault-code</code> - The fault code related to the request.</li> <li> <code>fault-message</code> - The fault message related to the request.</li> <li> <code>instance-id</code> - The ID of the instance that fulfilled the request.</li> <li> <code>launch-group</code> - The Spot instance launch group.</li> <li> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</li> <li> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). This filter is independent of the <code>launch-block-device-mapping.volume-size</code> filter. For example, if you use both the filter "launch-block-device-mapping.device-name=<code>/dev/sdh</code>", see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</li> <li> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</li> <li> <code>launch.group-id</code> - The security group for the instance.</li> <li> <code>launch.image-id</code> - The ID of the AMI.</li> <li> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>). This filter is independent of the <code>launch-block-device-mapping.volume-size</code> filter. For example, if you use both the filter "launch-block-device-mapping.volume-size=10G", see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>launch.key-name</code> - The name of the key pair the instance launched with.</li> <li> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</li> <li> <code>launch.ramdisk-id</code> - The RAM disk ID.</li> <li> <code>network-interface.network-interface-id</code> - The ID of the network interface."
- The index of the device for the network interface attachment on the instance.
- The ID of the subnet for the instance.
- A description of the network interface.
- The primary private IP address of the network interface.
- Indicates whether the network interface is deleted when the instance is terminated.
- The ID of the security group associated with the network interface.
- The name of the security group associated with the network interface.
- Indicates whether the IP address is the primary private IP address.
- The ID of the security group associated with the instance.
- The product description associated with the instance.
- The Spot instance request ID.
- The maximum hourly price for any Spot instance launched to fulfill the request.
- The state of the Spot instance request.
- The Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.
- Specifies the tag key and value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `tag:Purpose=X` for the filter name and `X` for the filter value. This filter is independent of the `tag-key` filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, use the filter `tag:Purpose=X`.
- The type of Spot instance request. This filter is independent of the `tag-key` filter.
- The Availability Zone in which the bid is launched.
- The start date of the request.
- The end date of the request.
- The Availability Zone group.
- The time stamp when the Spot instance request was created.
- The fault code related to the request.
- The fault message related to the request.
- The ID of the instance that fulfilled the request.
- The Spot instance launch group.
- The device name for the Amazon EBS volume (for example, `/dev/sdh`).
- The ID of the snapshot used for the Amazon EBS volume.
- The size of the Amazon EBS volume, in GiB.
- The type of the Amazon EBS volume:
  - `gp2` for General Purpose SSD,
  - `io1` for Provisioned IOPS SSD,
  - `st1` for Throughput Optimized HDD,
  - `sc1` for Cold HDD, or
  - `standard` for Magnetic.
example, `<code>/dev/sdh</code>`).

- The ID of the snapshot used for the Amazon EBS volume.
- The size of the Amazon EBS volume, in GiB.
- The type of the Amazon EBS volume: `gp2` for General Purpose SSD, `io1` for Provisioned IOPS SSD, `st1` for Throughput Optimized HDD, `sc1` for Cold HDD, or `standard` for Magnetic.
- The ID of the AMI.
- The type of instance (for example, `m3.medium`).
- The ID of the subnet for the instance.
- The ID of the security group for the instance.
- The ID of the security group associated with the network interface.
- The primary private IP address of the network interface.
- The product description associated with the instance (Linux/UNIX | Windows).
- The Spot instance request ID.
- The maximum hourly price for any Spot instance launched to fulfill the request.
- The state of the Spot instance request (open | active | closed | cancelled | failed). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see [Spot Bid Status](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html) in the Amazon Elastic Compute Cloud User Guide.
code</code> - The fault code related to the request.</p> </li> <li> <p> <code>fault-message</code> - The fault message related to the request.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> </li> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> </li> <li> <p> <code>block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). </p> </li> <li> <p> <code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> </li> <li> <p> <code>block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li> <p> <code>block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> </li> <li> <p> <code>launch.image-id</code> - The ID of the AMI.</p> </li> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> </li> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> </li> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance (<code>Linux/UNIX</code> | <code>Windows</code>). </p> </li> <li> <p> <code>request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>request-spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>status-code</code> - The short code describing the most recent evaluation of your Spot instance request.</p> </li> <li> <p> <code>status-message</code> - The message explaining the status of the Spot instance request.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). </p> </li>
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
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"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
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  "variableType": "Filter",
  "documentation": "",
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  "variableSetterType": "Filter"
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"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType": "Filter",
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  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlnsNameSpaceUri": null
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"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateType" : "java.util.List<Filter>
}
,
"map" : false,
"mapModel" : null,
"name" : "Filters",
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose=X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p></li><li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\tag-key=Purpose` and the filter `\tag-value=X`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.</li><li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i> filter.</li><li><code>type</code> - The type of Spot instance request (`<code>one-time</code>` | `<code>persistent</code>`).</li><li><code>launch-block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</li><li><code>launch-block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, `<code>/dev/sdh</code>`).</li><li><code>launch-block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</li><li><code>launch-block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</li><li><code>launch-block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic.</li><li><code>launch.instance-id</code> - The ID of the instance for which the Spot request was created.</li><li><code>launch.image-id</code> - The ID of the AMI.</li><li><code>launch.instance-type</code> - The type of instance (for example, `<code>m3.medium</code>`).</li><li><code>launch.kernel-id</code> - The kernel ID.</li><li><code>launch.key-name</code> - The name of the key pair the instance launched with.</li><li><code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</li><li><code>launch.ramdisk-id</code> - The RAM disk ID.</li><li><code>network-interface.network-interface-id</code> - The ID of the network interface.</li><li><code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</li><li><code>network-interface.subnet-id</code> - The ID of the subnet for the instance.</li><li><code>network-interface.description</code> - A description of the network interface.</li><li><code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</li><li><code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</li><li><code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</li><li><code>network-interface.group-name</code> - The name of the security group associated with the network interface.</li><li><code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</li><li><code>product-description</code> - The product description associated with the instance (`,Linux/UNIX` | `,Windows`).</li><li><code>spot-instance-request-id</code> - The Spot instance request ID.</li><li><code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</li><li><code>state</code> - The state of the Spot instance request (`open` | `active` | `closed` | `cancelled` | `failed`). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see `<a
Spot Bid Status in the Amazon Elastic Compute Cloud User Guide. - The short code describing the most recent evaluation of your Spot instance request.

- The message explaining the status of the Spot instance request.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). The Availability Zone in which the bid is launched.

- The start date of the request.

- The end date of the request.

- The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).
<code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</li>
<li><code>network-interface.subnet-id</code> - The ID of the subnet for the instance.</li>
<li><code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</li>
<li><code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</li>
<li><code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</li>
<li><code>network-interface.group-name</code> - The name of the security group associated with the network interface.</li>
<li><code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</li>
<li><code>spot-instance-request-id</code> - The Spot instance request ID.</li>
<li><code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</li>
<li><code>state</code> - The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see Spot Bid Status in the Amazon Elastic Compute Cloud User Guide.</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=marketing, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "<code>tag-key=marketing</code>" and the filter "<code>tag-value=marketing</code>", you get any resources assigned both the tag key marketing (regardless of what the tag's value is), and the tag value marketing (regardless of what the tag's key is). If you want to list only resources where Purpose is marketing, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).</li>
<li><code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</li>
<li><code>valid-from</code> - The start date of the request.</li>
<li><code>valid-until</code> - The end date of the request.</li>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values.</li>

```java
private void setFilters(java.util.Collection filters)
```
<code>standard</code> for Magnetic.</p>  
</li>  
<li>  
<code>launch.group-id</code> - The security group for the instance.</p>  
</li>  
<li>  
<code>launch.image-id</code> - The ID of the AMI.</p>  
</li>  
<li>  
<code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>  
</li>  
<li>  
<code>launch.kernel-id</code> - The kernel ID.</p>  
</li>  
<li>  
<code>launch.key-name</code> - The name of the key pair the instance launched with.</p>  
</li>  
<li>  
<code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p>  
</li>  
<li>  
<code>launch.ramdisk-id</code> - The RAM disk ID.</p>  
</li>  
<li>  
<code>launch.network-interface</code>.<p>  
</li>  
<li>  
<code>launch.network-interface-id</code> - The ID of the network interface.</p>  
</li>  
<li>  
<code>launch.network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p>  
</li>  
<li>  
<code>launch.network-interface-subnet-id</code> - The ID of the subnet for the instance.</p>  
</li>  
<li>  
<code>launch.network-interface.description</code> - A description of the network interface.</p>  
</li>  
<li>  
<code>launch.network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p>  
</li>  
<li>  
<code>launch.network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p>  
</li>  
<li>  
<code>launch.network-interface.group-id</code> - The ID of the security group associated with the network interface.</p>  
</li>  
<li>  
<code>launch.network-interface.group-name</code> - The name of the security group associated with the network interface.</p>  
</li>  
<li>  
<code>launch.network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p>  
</li>  
<li>  
</li>  
<li>  
<code>launch.spot-instance-request-id</code> - The Spot instance request ID.</p>  
</li>  
<li>  
<code>launch.spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p>  
</li>  
<li>  
</li>  
<li>  
<code>launch.status-code</code> - The short code describing the most recent evaluation of your Spot instance request.</p>  
</li>  
<li>  
<code>launch.status-message</code> - The message explaining the status of the Spot instance request.</p>  
</li>  
<li>  
<code>tag.key</code>:<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>  
</li>  
<li>  
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code>:<i>key</i>=<i>value</i> filter.</p>  
</li>  
<li>  
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-key</code>:<i>value</i> filter.</p>  
</li>  
<li>  
<code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).</p>  
</li>  
<li>  
<code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</p>  
</li>  
<li>  
<code>valid-from</code> - The start date of the request.</p>  
</li>  
<li>  
<code>valid-until</code> - The end date of the request.</p>  
</li>  
</ul>  

@return Returns a reference to this object so that method calls can be chained together. */

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- The fault message related to the request.
- The ID of the instance that fulfilled the request.
- The Spot instance launch group.
- Indicates whether the Amazon EBS volume is deleted on instance termination.
- The device name for the Amazon EBS volume (for example, `/dev/sdh`).
- The ID of the snapshot used for the Amazon EBS volume.
- The ID of the AMI.
- The type of instance (for example, `m3.medium`).
- The kernel ID.
- The ID of the security group for the instance.
- The ID of the subnet for the instance.
- A description of the network interface.
- The primary private IP address of the network interface.
- Indicates whether the network interface is deleted when the instance is terminated.
- The ID of the security group associated with the network interface.
- The name of the security group associated with the network interface.
- Indicates whether the IP address is the primary private IP address.
- The product description associated with the instance.
- The message explaining the status of the Spot instance request.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag `Purpose`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.
- The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key\"=Purpose\"` and the filter `\"tag-value\"=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag:Purpose</code>` filter.
- The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.
- The type of Spot instance request (`one-time` | `persistent`).
<li> <p> <code>launched-availability-zone</code> - The Availability Zone in which the bid is launched.</p> </li> <li> <p> <code>valid-from</code> - The start date of the request.</p> </li> <li> <p> <code>valid-until</code> - The end date of the request.</p> </li>

```
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
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"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters.
<ul>
<li> <p> <code>availability-zone-group</code> - The Availability Zone group.</p> </li>
<li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created.</p> </li>
<li> <p> <code>fault-code</code> - The fault code related to the request.</p> </li>
<li> <p> <code>fault-message</code> - The fault message related to the request.</p> </li>
<li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> </li>
<li> <p> <code>launch-group</code> - The Spot instance launch group.</p> </li>
<li> <p> <code>launch-block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li>
<li> <p> <code>launch-block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).</p> </li>
<li> <p> <code>launch-block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> </li>
<li> <p> <code>launch-block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li>
<li> <p> <code>launch-block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> </li>
<li> <p> <code>launch-group-id</code> - The security group for the instance.</p> </li>
<li> <p> <code>launch-image-id</code> - The ID of the AMI.</p> </li>
<li> <p> <code>launch-instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li>
<li> <p> <code>launch-key-name</code> - The name of the key pair the instance launched with.</p> </li>
<li> <p> <code>launch-monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li>
<li> <p> <code>launch-ramdisk-id</code> - The RAM disk ID.</p> </li>
<li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> </li>
<li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> </li>
<li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> </li>
<li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> </li>
<li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> </li>
<li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> </li>
<li> <p> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary IP address.</p> </li>
<li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li>
<li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li>
<li> <p> <code>state</code> - The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> |
Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see "Spot Bid Status" in the Amazon Elastic Compute Cloud User Guide. See http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html for more information.

- **status-code** - The short code describing the most recent evaluation of your Spot instance request.
- **status-message** - The message explaining the status of the Spot instance request.
- **tag</em>\text{}:<i>key</i>=<i>value</i>** - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X\text{\text{}V}", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</em>\text{}:<i>key</i>=<i>value</i> filter.
- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
- **type** - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).
interface.group-name</code> - The name of the security group associated with the network interface.</li> <li> <p> <code>network-interface.addresses.primary</code> - Indicates whether the IP address is the primary private IP address.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance (<code>Linux/UNIX</code> | <code>Windows</code>).</p> </li> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> </li> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>availability-zone-group</code> - The Availability Zone group.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created.</p> </li> <li> <p> <code>fault-code</code> - The fault code related to the request.</p> </li> <li> <p> <code>fault-message</code> - The fault message related to the request.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> </li> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> </li> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).</p> </li> <li> <p> <code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> </li> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li> <p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> </li> <li> <p> <code>launch.group-id</code> - The security group for the instance.</p> </li> <li> <p> <code>launch.image-id</code> - The ID of the AMI.</p> </li> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>launch.kernel-id</code> - The kernel ID.</p> </li> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> </li> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>launch.block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> </li> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> </li> <li> <p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> </li> <li> <p> <code>launch.group-id</code> - The security group for the instance.</p> </li> <li> <p> <code>launch.image-id</code> - The ID of the AMI.</p> </li> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>launch.kernel-id</code> - The kernel ID.</p> </li> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> </li> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> </li> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>network-interface.nic-id</code> - The ID of the network interface.</p> </li> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The
ID of the subnet for the instance.</li> <li> <p> <code>network-interface.description</code> - A description of the network interface.</p> </li> <li> <p> <code>network-interface.private-ip-address</code> - The private IP address of the network interface.</p> </li> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> </li> <li> <p> <code>network-interface-attributes.private-addresses</code> - Indicates whether the IP address is the primary private IP address.</p> </li> <li> <p> <code>product-description</code> - The product description associated with the instance.</p> </li> <li> <p> <code>state</code> - The state of the Spot instance request.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). This filter is independent of the <code>launched-availability-zone</code> filter. For example, if you use both the filter "type=one-time" and the filter "launched-availability-zone=us-east-1", you get any resources assigned both the type one-time (regardless of which availability zone the resource is in), and the launched-availability-zone = us-east-1 (regardless of which launched-availability-zone the resource is in). If you want to list only resources where type is one-time, see the <code>type</code> filter. For example, for the type one-time, specify <code>type=one-time</code> for the filter name and <code>true</code> for the filter value.</p> </li> <li> <p> <code>valid-from</code> - The start date of the request.</p> </li> <li> <p> <code>valid-until</code> - The end date of the request.</p> </li>

@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : ","withFilters",
"getterDocumentation" : "/**\<p>One or more filters.\</p>\<ul>\<li> <p> <code>availability-zone-group</code> - The Availability Zone group.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created.</p> </li> <li> <p> <code>fault-code</code> - The fault code related to the request.</p> </li> <li> <p> <code>fault-message</code> - The fault message related to the request.</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance that fulfilled the request.</p> </li> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> </li> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> </li> <li> <p> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). The ID of the snapshot used for the Amazon EBS volume (for example, <code>/dev/sdh</code>). The size of the Amazon EBS volume, in GiB. The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.
<code>launch.image-id</code> - The ID of the AMI.

<code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<br/>
<code>launch.kernel-id</code> - The kernel ID.<br/>
<code>launch.key-name</code> - The name of the key pair the instance launched with.<br/>
<code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.<br/>
<code>launch.ramdisk-id</code> - The RAM disk ID.<br/>
<code>launch.image-id</code> - The ID of the network interface.<br/>
<code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>).<br/>
<code>launch.key-name</code> - The name of the key pair the instance launched with.<br/>
<code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.<br/>
<code>launch.ramdisk-id</code> - The RAM disk ID.<br/>
<code>network-interface.network-interface-id</code> - The ID of the network interface.<br/>
<code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.<br/>
<code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.<br/>
<code>network-interface.addresses.primary</code> - A description of the network interface.<br/>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<br/>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code>:<i>key</i>=<i>value</i> filter. For example, if you specify <code>tag:Purpose=Production</code>, you get any resources assigned the tag key Purpose where the tag value is Production.

For more information, see "Spot Bid Status" in the Amazon Elastic Compute Cloud User Guide.
volume.</p> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB.</p> <li> <p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> <li> <p> <code>launch.group-id</code> - The security group for the instance.</p> <li> <p> <code>launch.image-id</code> - The ID of the AMI.</p> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>). </p> <li> <p> <code>launch.kernel-id</code> - The kernel ID.</p> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface.</p> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated.</p> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface.</p> <li> <p> <code>product-description</code> - The product description associated with the instance (Linux/UNIX | Windows).</p> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> <li> <p> <code>state</code> - The state of the Spot instance request (<code>open</code> | <code>active</code> | <code>closed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.</p> <li> <p> <code>tag:Key</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag:Key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag:Value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key</code> filter.</p> <li> <p> <code>tag:Value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag:Key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Value</code> filter.</p> <li> <p> <code>tag:Key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag:Value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Value</code> filter.</p> <li> <p> <code>tag:Value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag:Key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Value</code> filter.
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  "additionalUnmarshallingPath" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
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     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
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    "getterDocumentation" : "/**\n     * @return */",
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      "documentation" : null
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "uri" : false
  }
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"variableType" : "Filter",
"documentation" : "",
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"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
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"setterDocumentation" : "/**\n<p>One or more filters.</p> <ul> <li>
"availability-zone-

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tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). The type of the Availability Zone in which the bid is launched.</p> <li> <p> <code>valid-from</code> - The start date of the request.</p> <li> <p> <code>valid-until</code> - The end date of the request.</p> <li> <p> <code>availability-zone-group</code> - The Availability Zone group.</p> <li> <p> <code>create-time</code> - The time stamp when the Spot instance request was created.</p> <li> <p> <code>fault-code</code> - The fault code related to the request.</p> <li> <p> <code>launch-group</code> - The Spot instance launch group.</p> <li> <p> <code>block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>block-device-mapping.delet-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination.</p> <li> <p> <code>block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).</p> <li> <p> <code>launch-device-mapping.snapshot-id</code> - The ID of the snapshot used for the Amazon EBS volume.</p> <li> <p> <code>launch-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.</p> <li> <p> <code>launch-group-id</code> - The security group for the instance.</p> <li> <p> <code>launch.image-id</code> - The ID of the AMI.</p> <li> <p> <code>launch-instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> <li> <p> <code>launch.kernel-id</code> - The kernel ID.</p> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with.</p> <li> <p> <code>launch-monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance.</p> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID.</p> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface. The index of the device for the network interface attachment on the instance.</p> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface. Indicates whether the network interface is deleted when the instance is terminated.</p> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface.</p> <li> <p> <code>network-interface.group-name</code> - The name of the security group associated with the network interface.</p> <li> <p> <code>network-interface.addresses.primary</code> - A description of the network interface. Indicates whether the IP address is the primary private IP address.</p> <li> <p> <code>network-description</code> - The product description associated with the instance (for example, <code>Linux/UNIX</code> | <code>Windows</code>). The maximum hourly price for any Spot instance launched to fulfill the request.</p> <li> <p> <code>spot-instance-request-id</code> - The Spot instance request ID.</p> <li> <p> <code>spot-price</code> - The maximum hourly price for any Spot instance launched to fulfill the request.</p> <li> <p> <code>state</code> - The state of the Spot instance request (for example, <code>open</code> | <code>active</code> | <code>closed</code> | <code>cancelled</code> | <code>failed</code>). Spot bid status information can help you track your Amazon EC2 Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The key of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. <p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>type</code> - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>). </p> </li> <li> <p> <code>launch-group</code> - The Spot instance launch group. </p> </li> <li> <p> <code>launch.block-device-mapping.delete-on-termination</code> - Indicates whether the Amazon EBS volume is deleted on instance termination. </p> </li> <li> <p> <code>launch.block-device-mapping.device-name</code> - The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>). </p> </li> <li> <p> <code>launch.block-device-mapping.volume-size</code> - The size of the Amazon EBS volume, in GiB. </p> </li> <li> <p> <code>launch.block-device-mapping.volume-type</code> - The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic. </p> </li> <li> <p> <code>launch.group-id</code> - The security group for the instance. </p> </li> <li> <p> <code>launch.image-id</code> - The ID of the AMI. </p> </li> <li> <p> <code>launch.instance-type</code> - The type of instance (for example, <code>m3.medium</code>). </p> </li> <li> <p> <code>launch.key-name</code> - The name of the key pair the instance launched with. </p> </li> <li> <p> <code>launch.monitoring-enabled</code> - Whether monitoring is enabled for the Spot instance. </p> </li> <li> <p> <code>launch.ramdisk-id</code> - The RAM disk ID. </p> </li> <li> <p> <code>network-interface.network-interface-id</code> - The ID of the network interface. </p> </li> <li> <p> <code>network-interface.device-index</code> - The index of the device for the network interface attachment on the instance. </p> </li> <li> <p> <code>network-interface.description</code> - A description of the network interface. </p> </li> <li> <p> <code>network-interface.private-ip-address</code> - The primary private IP address of the network interface. </p> </li> <li> <p> <code>network-interface.delete-on-termination</code> - Indicates whether the network interface is deleted when the instance is terminated. </p> </li> <li> <p> <code>network-interface.group-id</code> - The ID of the security group associated with the network interface. </p> </li>
The name of the security group associated with the network interface.  

- Indicates whether the IP address is the primary private IP address.
- The product description associated with the instance.  
- The Spot instance request ID.  
- The maximum hourly price for any Spot instance launched to fulfill the request.  
- The state of the Spot instance request.  
- The short code describing the most recent evaluation of your Spot instance request.  
- The state message explaining the status of the Spot instance request.  
- The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  
- The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).  
- The ID of the network interface.  
- Indicates whether the IP address is the primary private IP address.  
- The product description associated with the instance.  
- The Spot instance request ID.  
- The maximum hourly price for any Spot instance launched to fulfill the request.  
- The state of the Spot instance request.  
- The short code describing the most recent evaluation of your Spot instance request.  
- The state message explaining the status of the Spot instance request.  
- The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.  
- The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).  
- The Availability Zone in which the bid is launched.  
- The start date of the request.  
- The end date of the request.  
- Indicates whether the Amazon EBS volume is deleted on instance termination.  
- The device name for the Amazon EBS volume (for example, <code>/dev/sdh</code>).  
- The ID of the snapshot used for the Amazon EBS volume.  
- The size of the Amazon EBS volume, in GiB.  
- The type of the Amazon EBS volume: <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.  
- The ID of the AML.  
- The type of the instance (for example, <code>m3.medium</code>).  
- The name of the key pair the instance launched with.  
- The RAM disk ID.  
- The ID of the network interface.
interface. The index of the device for the network interface attachment on the instance. - The ID of the subnet for the instance. - A description of the network interface. - The primary private IP address of the network interface. - Indicates whether the network interface is deleted when the instance is terminated.

- `network-interface.device-index` - The index of the device for the network interface attachment on the instance.
- `network-interface.subnet-id` - The ID of the subnet for the instance.
- `network-interface.private-ip-address` - The primary private IP address of the network interface.
- `network-interface.delete-on-termination` - Indicates whether the network interface is deleted when the instance is terminated.

- `network-interface-group-id` - The ID of the security group associated with the network interface.
- `network-interface.group-name` - The name of the security group associated with the network interface.
- `network-interface.addresses.primary` - Indicates whether the IP address is the primary private IP address.
- `network-description` - The product description associated with the instance.

- `spot-instance-request-id` - The Spot instance request ID.
- `spot-price` - The maximum hourly price for any Spot instance launched to fulfill the request.
- `state` - The state of the Spot instance request.
- `status-code` - The short code describing the most recent evaluation of your Spot instance request.
- `status-message` - The message explaining the status of the Spot instance request.
- `tag` - The tag associated with the resource.
- `tag-key` - The key of a tag assigned to the resource. This filter is independent of the `tag-value` filter.
- `tag-value` - The value of a tag assigned to the resource.
- `launch-block-device-mapping.delete-on-termination` - Indicates whether the Amazon EBS volume is deleted on instance termination.
- `launch-block-device-mapping.device-name` - The device name for the Amazon EBS volume (for example, `/dev/sdh`).
- `launch-block-device-mapping.snapshot-id` - The ID of the snapshot used for the Amazon EBS volume.

In summary, this API allows for detailed control over virtualized voice browser instances, including network configuration, security group management, and Spot instance behavior, enabling fine-grained control over resource allocation and management.
mapping.volume-size - The size of the Amazon EBS volume, in GiB.

launch.block-device-mapping.volume-type - The type of the Amazon EBS volume:
  <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic.

launch.group-id - The security group for the instance.

launch.image-id - The ID of the AMI.

launch.instance-type - The type of instance (for example, <code>m3.medium</code>).

launch.key-name - The name of the key pair the instance launched with.

launch.monitoring-enabled - Whether monitoring is enabled for the Spot instance.

launch.ramdisk-id - The RAM disk ID.

launch.request-id - The Spot instance request ID.


launch.status-code - The short code describing the most recent evaluation of your Spot instance request.

launch.status-message - The message explaining the status of the Spot instance request.

launch.tag:tag-key=tag-value - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

launch.tag-key - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XML\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key=tag-value</code> filter.

launch.type - The type of Spot instance request (<code>one-time</code> | <code>persistent</code>).
"SpotInstanceRequestIds" : {
  "c2jName" : "SpotInstanceRequestIds",
  "c2jShape" : "SpotInstanceRequestIdList",
  "deprecated" : false,
  "documentation" : "<p>One or more Spot instance request IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@override
@method
@javadoc
@out
@returns
@idempotencyToken" : false,
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SpotInstanceRequestId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**@method
@javadoc
@out
@returns
@idempotencyToken" : false,
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@override
@method
@javadoc
@out
@returns
@idempotencyToken" : false,
    "getterMethodName" : "getSpotInstanceRequestIds",
    "getterModel" : {
      "returnType" : "java.util.List<String",
      "documentation" : null
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SpotInstanceRequestId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "SpotInstanceRequestId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestIds",
"setterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
@param
spotInstanceRequestIds One or more Spot instance request IDs.*/",
"setterMethodName" : "setSpotInstanceRequestIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance request IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link 
#setSpotInstanceRequestIds(java.util.Collection)} or {@link 
#withSpotInstanceRequestIds(java.util.Collection)} if you want to override the existing values.</p>
@param
spotInstanceRequestIds One or more Spot instance request IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "spotInstanceRequestIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more Spot instance request IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSpotInstanceRequestsRequest"
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotInstanceRequestSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SpotInstanceRequestSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SpotInstanceRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     \n     @param member
     \n     @return Returns a reference to this object so that
     \n     method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     \n     @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SpotInstanceRequest",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "member",
  "variableType" : "SpotInstanceRequest",
  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "member",
  "variableType" : "SpotInstanceRequest",
  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**
One or more Spot instance requests. 
@param spotInstanceRequests One or more Spot instance requests. */",
"setterMethodName" : "setSpotInstanceRequests",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
  "variableName" : "spotInstanceRequests",
  "variableType" : "SpotInstanceRequest",
  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"simple" : false,
"variableName" : "spotInstanceRequests",
"variableType" : "java.util.List<SpotInstanceRequest>",
"documentation" : "",
"simpleType" : "List<SpotInstanceRequest>",
"variableSetterType" : "java.util.Collection<SpotInstanceRequest>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSpotInstanceRequests(java.util.Collection)} or {@link #withSpotInstanceRequests(java.util.Collection)} if you want to override the existing values.</p>
@param spotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<SpotInstanceRequest>",
  "documentation" : "One or more Spot instance requests.",
  "simpleType" : "List<SpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<SpotInstanceRequest>
",
  "xmlNameSpaceUri" : null
}
]
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"membersAsMap" : {
  "SpotInstanceRequests" : {
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    "c2jShape" : "SpotInstanceRequestList",
    "deprecated" : false,
    "documentation" : "One or more Spot instance requests.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotInstanceRequests",
    "getterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@return One or more Spot instance requests.*/",
    "getterMethodName" : "getSpotInstanceRequests",
    "getterModel" : {
      "returnType" : "java.util.List<SpotInstanceRequest>",
      "documentation" : null
    }
  }
}
,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "SpotInstanceRequest",
  "documentation" : "",
  "simpleType" : "SpotInstanceRequest",
  "variableSetterType" : "SpotInstanceRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**<p>One or more Spot instance requests.</p>
@param spotInstanceRequests
One or more Spot instance requests.</p>
@param spotInstanceRequests
One or more Spot instance requests.*/",
"setterMethodName" : "setSpotInstanceRequests",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
  "variableName" : "spotInstanceRequests",
  "variableType" : "java.util.List<SpotInstanceRequest>",
  "documentation" : "",
  "simpleType" : "List<SpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<SpotInstanceRequest>"
This method appends the values to the existing list (if any). Use \{@link #setSpotInstanceRequests(java.util.Collection)\} or \{@link #withSpotInstanceRequests(java.util.Collection)\} if you want to override the existing values.\n\n@param spotInstanceRequests One or more Spot instance requests.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n\n
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "DescribeSpotPriceHistory",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "StartTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD).",
    "enumType" : null,
    "fluentSetterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD).",
    "fluentSetterMethodName" : "withStartTime",
    "getterDocumentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD).",
    "getterMethodName" : "getStartTime",
    "getterModel" : {
      "returnType" : "java.util.Date",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "StartTime",
      "queryString" : false,
    }
  }
];
"statusCode" : false,
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setStartTime",
"setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "startTime",
    "variableType" : "java.util.Date",
    "documentation" : "The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "EndTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n@return Returns a reference to this object so that method calls can be chained together. */"
"fluentSetterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).</p>*/
@param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEndTime",
"getterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).</p>
@return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).*/",
"getterMethodName" : "getEndTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EndTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "endTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EndTime",
"setterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).</p>
@param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).
*/",
"setterMethodName" : "setEndTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date","name" : "EndTime",
  "getterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).
@return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).*/",
"setterDocumentation" : "/**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).
*/
"}
"variableName" : "endTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The date and time, up to the current date, from which to stop retrieving
 * the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
 * <i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
 * @param endTime The date and time, up to the current
date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
 * <i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
 * @return Returns a reference to this object so that method calls
 * can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "endTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time, up to the current date, from which to stop retrieving
the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTypes",
"c2jShape" : "InstanceTypeList",
"deprecated" : false,
"documentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types
are not supported.*/",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@returns Returns a reference to this object so that method calls
can be chained together.\n@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceTypes",
"getterDocumentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@returns Returns the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n@see InstanceType*/",
"getterMethodName" : "getInstanceTypes",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "InstanceType",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceType",
"deprecated": false,
"documentation": "**
@param member 
@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "**\n@return \n@see InstanceType*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@see InstanceType*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceTypes",
"setterDocumentation" : "/**
Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.
@see InstanceType*/",
"setterMethodName" : "setInstanceTypes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceTypes",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
"variableName" : "instanceTypes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**\n\nFilters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.<p>
\n\n@NOTE:\nThis method appends the values to the existing list (if any). Use { @link #setInstanceTypes(java.util.Collection)} or { @link #withInstanceTypes(java.util.Collection)} if you want to override the existing values.\n\n@param instanceTypes Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.<p>
\n@see InstanceType*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.\n\n@see InstanceType*/",
  "xmlNameSpaceUri" : null
},

"c2jName" : "ProductDescriptions",
"c2jShape" : "ProductDescriptionList",
"deprecated" : false,
"documentation" : "<p>Filters the results by the specified basic product descriptions.\n\n@see ProductDescription*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\nFilters the results by the specified basic product descriptions.\n\n@see ProductDescription*/",
"fluentSetterMethodName" : "withProductDescriptions",
"getterDocumentation" : "/**\n\nFilters the results by the specified basic product descriptions.\n\n@see ProductDescription*/",
"getterMethodName" : "getProductDescriptions",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ProductDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@ return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ProductDescriptions",
"setterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.<p>\n@param productDescriptions Filters the results by the specified basic product descriptions.*/",
"setterMethodName" : "setProductDescriptions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "productDescriptions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "productDescriptions",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n  \n  This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n  \n  @param productDescriptions Filters the results by the specified basic product descriptions.\n\n  Returns a reference to this object so that method calls can be chained together.\n",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n  \n  This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n  \n  @param productDescriptions Filters the results by the specified basic product descriptions.\n\n  Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "productDescriptions",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n    \n    This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n    \n    @param productDescriptions Filters the results by the specified basic product descriptions.\n\n    Returns a reference to this object so that method calls can be chained together.*/",
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n    \n    This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n    \n    @param productDescriptions Filters the results by the specified basic product descriptions.\n\n    Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
      "variableName" : "productDescriptions",
      "variableType" : "java.util.List<String>",
      "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n      \n      This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n      \n      @param productDescriptions Filters the results by the specified basic product descriptions.\n\n      Returns a reference to this object so that method calls can be chained together.*/",
      "simple" : false,
      "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n      \n      This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n      \n      @param productDescriptions Filters the results by the specified basic product descriptions.\n\n      Returns a reference to this object so that method calls can be chained together.*/",
      "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
        "variableName" : "productDescriptions",
        "variableType" : "java.util.List<String>",
        "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n        \n        This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n        \n        @param productDescriptions Filters the results by the specified basic product descriptions.\n\n        Returns a reference to this object so that method calls can be chained together.*/",
        "simple" : false,
        "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n        \n        This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n        \n        @param productDescriptions Filters the results by the specified basic product descriptions.\n\n        Returns a reference to this object so that method calls can be chained together.*/",
        "variable" : {
          "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
          "variableName" : "productDescriptions",
          "variableType" : "java.util.List<String>",
          "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n          \n          This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n          \n          @param productDescriptions Filters the results by the specified basic product descriptions.\n\n          Returns a reference to this object so that method calls can be chained together.*/",
          "simple" : false,
          "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n          \n          This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n          \n          @param productDescriptions Filters the results by the specified basic product descriptions.\n\n          Returns a reference to this object so that method calls can be chained together.*/",
          "variable" : {
            "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
            "variableName" : "productDescriptions",
            "variableType" : "java.util.List<String>",
            "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n            \n            This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n            \n            @param productDescriptions Filters the results by the specified basic product descriptions.\n\n            Returns a reference to this object so that method calls can be chained together.*/",
            "simple" : false,
            "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n            \n            This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n            \n            @param productDescriptions Filters the results by the specified basic product descriptions.\n\n            Returns a reference to this object so that method calls can be chained together.*/",
            "variable" : {
              "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
              "variableName" : "productDescriptions",
              "variableType" : "java.util.List<String>",
              "documentation" : "<p>Filters the results by the specified basic product descriptions.</p>\n              \n              This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n              \n              @param productDescriptions Filters the results by the specified basic product descriptions.\n\n              Returns a reference to this object so that method calls can be chained together.*/
            ,
            "simple" : false,
            "varargSetterDocumentation" : "/**<p>Filters the results by the specified basic product descriptions.\n            \n            This method appends the values to the existing list (if any). Use \{ @link \#setProductDescriptions(java.util.Collection) \} or \{ @link \#withProductDescriptions(java.util.Collection) \} if you want to override the existing values.\n            \n            @param productDescriptions Filters the results by the specified basic product descriptions.\n\n            Returns a reference to this object so that method calls can be chained together.*/
          }
        }
      }
    }
  }
}

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- The timestamp of the Spot price history, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p>
</li>
@returns Returns a reference to this object so that method calls can be chained together. */

"getterMethodName": "getFilters",
"getterModel": {
  "returnType": "java.util.List<Filter>",
  "documentation": "null",
  "http": {
    "additionalMarshallingPath": "null",
    "additionalUnmarshallingPath": "null",
    "flattened": "false",
    "greedy": "false",
    "header": "false",
    "isPayload": "false",
    "isStreaming": "false",
    "location": "null",
    "marshallLocationName": "Filter",
    "queryString": "false",
    "statusCode": "false",
    "unmarshallLocationName": "Filter",
    "uri": "false",
  }
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "getterName": "getFilters",
  "getterDocumentation": "/**
   * One or more filters.
   */
  "getterMethodName": "getFilters",
  "getterModel": {
    "returnType": "java.util.List<Filter>",
    "documentation": "null",
    "http": {
      "additionalMarshallingPath": "null",
      "additionalUnmarshallingPath": "null",
      "flattened": "false",
      "greedy": "false",
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      "isPayload": "false",
      "isStreaming": "false",
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      "statusCode": "false",
      "unmarshallLocationName": "Filter",
      "uri": "false",
    }
  }
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>product-description</code> - The product description for the Spot price (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows (Amazon VPC)</code>).</p> </li> <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH</i>:<i>MM</i>:<i>SS</i> Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </li>
</ul>
@param filters One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li> <li> <p> <code>product-description</code> - The product description for the Spot price (<code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows (Amazon VPC)</code>).</p> </li> <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li> <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH</i>:<i>MM</i>:<i>SS</i> Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </li>
*/",}
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li> <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>). The product description for the Spot price (for example, <code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code>). The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported). The product description for the Spot price history, in UTC format (for example, <code>YYYY-MM-DD</code> - <code>HH:mm:ss</code>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
  <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <code>YYYY-MM-DD</code> - <code>HH:mm:ss</code>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values.</p>

@link Filters


@param filters One or more filters.</ul>

@link Filters


@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "One or more filters. - The Availability Zone for which prices should be returned. - The type of instance (for example, <code>m3.medium</code>). - The product description for the Spot price (for example, <code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows</code> | <code>Linux/UNIX (Amazon VPC)</code> | <code>SUSE Linux (Amazon VPC)</code> | <code>Windows (Amazon VPC)</code>). - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported). - The product description for the Spot price history, in UTC format (for example, <code>YYYY-MM-DD</code> - <code>HH:mm:ss</code>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.

@link Filters


@return Returns a reference to this object so that method calls can be chained together.
*/

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"}
"variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
}, {
"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Filters the results by the specified Availability Zone.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Filters the results by the specified Availability Zone.</p>*/
@param availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**<p>Filters the results by the specified Availability Zone.</p>*/
@return Filters the results by the specified Availability Zone.*/
",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AvailabilityZone",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "availabilityZone",
"uri": false
}
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**<p>Filters the results by the specified Availability Zone.</p>*/
@param availabilityZone Filters the results by the specified Availability Zone.*/
",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "availabilityZone",
"variableType": "String"}
"documentation" : ",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Filters the results by the specified Availability Zone.</p>
@param
availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>\n@return The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p><p>@param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token for the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of results.</p>*/
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of results.</p>*/
@return The token for the next set of results.
*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of results.</p>*/
@param nextToken The token for the next set of results.
*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The token for the next set of results.</p>
@param nextToken The token for the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>The token for the next set of results.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "AvailabilityZone": {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>Filters the results by the specified Availability Zone.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n<p>Filters the results by the specified Availability Zone.</p>
@param availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAvailabilityZone",
    "getterDocumentation": "/**\n<p>Filters the results by the specified Availability Zone.</p>
@return Filters the results by the specified Availability Zone.*/",
    "getterMethodName": "getAvailabilityZone",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AvailabilityZone",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "availabilityZone",
      "uri": false
    },
    "idempotencyToken": false,
AvailabilityZone

**<p>Filters the results by the specified Availability Zone.</p>
@param availabilityZone Filters the results by the specified Availability Zone.
@return Returns a reference to this object so that method calls can be chained together. */

EndTime

**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>

**<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return Returns a reference to this object so that method calls can be chained together. */

"EndTime": {"c2jName": "EndTime","c2jShape": "Date-Time","deprecated": false,"documentation": "; The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@param paramEnd Time The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterDocumentation": "; <p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName": "; withEndTime","getDocumentation": "; The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return Returns a reference to this object so that method calls can be chained together. */

"getterDocumentation": "; The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).\n\n@return Returns a reference to this object so that method calls can be chained together. */

}
which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>)./*",
    "getterMethodName" : "getEndTime",
    "getterModel" : {
        "returnType" : "java.util.Date",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "EndTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "endTime",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "EndTime",
    "setterDocumentation" : "/*<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>).</p>
    @param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>).*/",
    "setterMethodName" : "setEndTime",
    "setterModel" : {
        "variableDeclarationType" : "java.util.Date",
        "variableName" : "endTime",
        "variableType" : "java.util.Date",
        "documentation" : "",
        "simpleType" : "java.util.Date",
        "variableSetterType" : "java.util.Date"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/*<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>).</p>
    @param endTime The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>:<i>MM</i>:<i>SS</i>).\n
    @return Returns a reference to this object so that method calls
can be chained together.*/*

"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "endTime",
    "variableType" : "java.util.Date",
    "documentation" : "The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters.
    "availability-zone" - The Availability Zone for which prices should be returned.
    "instance-type" - The type of instance (for example, <code>m3.medium</code>).
    "product-description" - The product description for the Spot price (for example, <code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows</code> | <code>Amazon VPC</code>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
    "timestamp" - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
    "ProductoName": null,
    "fluentSetterDocumentation": "One or more filters.
    "availability-zone" - The Availability Zone for which prices should be returned.
    "instance-type" - The type of instance (for example, <code>m3.medium</code>).
    "product-description" - The product description for the Spot price (for example, <code>Linux/UNIX</code> | <code>SUSE Linux</code> | <code>Windows</code> | <code>Amazon VPC</code>). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
    "timestamp" - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.
    "availability-zone": null
    "product-description": null
    "timestamp": null
    "simpleType": null
    "variableSetterType": null
    "xmlNameSpaceUri": "null"
}
}"
be chained together.*"/

"getterSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p>\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.</p>\n\n<code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p>\n\n<code>product-description</code> - The product description for the Spot price (for example, <code>Linux/UNIX</code>, <code>SUSE Linux</code>, <code>Windows</code>, <code>Linux/UNIX (Amazon VPC)</code>).\n\n<code>availability-zone</code> - The Availability Zone for which prices should be returned.

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@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */
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"documentation": null
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
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"unmarshallLocationName": "Filter",
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@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"
**Filters**

The value must match exactly (or use wildcards; greater than or less than comparison is not supported). The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported. The Availability Zone for which prices should be returned. The type of instance (for example, m3.medium). You can use wildcards (* and ?). Greater than or less than comparison is not supported. The product description for the Spot price. The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported. The product description for the Spot price. The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported. The product description for the Spot price. The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported. The product description for the Spot price. The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported. The product description for the Spot price. The Spot price. The value can use wildcards (* and ?). Greater than or less than comparison is not supported.

```
**<p>One or more filters.</p>**

- The Availability Zone for which prices should be returned.
- The type of instance (for example, m3.medium).
- The product description for the Spot price.
- The timestamp of the Spot price history, in UTC format (for example, YYYY-MM-DD\(T\)HH:MM:SSZ).
```

**Parameters**

- **Availability Zone**: The Availability Zone for which prices should be returned.
- **Instance Type**: The type of instance.
- **Product Description**: The product description for the Spot price.
- **Spot Price**: The Spot price.
- **Timestamp**: The timestamp of the Spot price history, in UTC format.
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"variableSetterType" : "java.util.Collection<Filter>"}
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    "deprecated" : false,
    "documentation" : "<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>",
    "enumType" : "InstanceType",
    "fluentSetterDocumentation" : "/**<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>\n@see InstanceType*/",
    "fluentSetterMethodName" : "withInstanceTypes",
    "getterDocumentation" : "/**<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>\n@see InstanceType*/",
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            "getterDocumentation" : "/**<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>\n@see InstanceType*/",
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                "documentation" : null
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                "additionalUnmarshallingPath" : null,
                "flattened" : false,
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                "statusCode" : false,
                "unmarshallLocationName" : "InstanceType",
                "uri" : false
            }
        }
    }
}
method calls can be chained together.\n\n\n"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* return \n\n\n"getterMethodName" : "getMember",
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"returnType" : "String",
"documentation" : null
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
},
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceTypes",
"setterDocumentation" : "
<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

@see InstanceType*/",
"setterMethodName" : "setInstanceTypes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceTypes",
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  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
,"simple" : false,
"varargSetterDocumentation" : 
<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

@see InstanceType*/",
"variable" : {
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  "variableName" : "instanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : "Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.

@see InstanceType*/",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned value.

```java
@Param maxResults The maximum number of results to return in a single call.
```

**getter**

```java
public Integer getMaxResults();
```

**setter**

```java
public void setMaxResults(Integer maxResults);
```

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned value.

```java
@Param maxResults The maximum number of results to return in a single call.
```

**getter**

```java
public Integer getMaxResults();
```

**setter**

```java
public void setMaxResults(Integer maxResults);
```
between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

> @param maxResults The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

> @return Returns a reference to this object so that method calls can be chained together.

```java

```

```java

```
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"enumType" : null,
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  "greedy" : false,
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  "isStreaming" : false,
  "location" : null,
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  "unmarshallLocationName" : "ProductDescription",
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    "documentation" : "",
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    "getterDocumentation" : "/*@return */",
    "getterMethodName" : "getMember",
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},
"simple" : false,
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"documentation" : "<p>Filters the results by the specified basic product descriptions.</p>",
"simpleType" : "List<String>",
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},
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"enumType" : null,

"fluentSetterDocumentation" : "/**\nThe date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).
\n@Param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).
\n@Return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withStartTime",

"getterDocumentation" : "/**\nThe date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).
\n@return The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).*/",

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"getterModel" : {
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  "statusCode" : false,
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  "uri" : false
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"map" : false,

"mapModel" : null,

"name" : "StartTime",

"setterDocumentation" : "/**\nThe date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).
\n@Param startTime The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ).
\n@Return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setStartTime",

"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime"
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time, up to the past 90 days, from which to start
retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@param startTime The date and time, up to the past 90
days, from which to start retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time, up to the past 90 days, from which to start retrieving
the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@param startTime The date and time, up to the past 90
\\days, from which to start retrieving the price
\history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time, up to the past 90 days, from which to start retrieving
the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@param startTime The date and time, up to the past 90
\\days, from which to start retrieving the price
\history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@return Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
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  "variableName" : "startTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time, up to the past 90 days, from which to start retrieving
the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@param startTime The date and time, up to the past 90
\\days, from which to start retrieving the price
\history data, in UTC format (for example, <i> YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
\@return Returns a reference to this object so that method calls
can be chained together.*/
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"xmlNameSpaceUri" : null
},
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeSpotPriceHistoryRequest",
  "variableName" : "describeSpotPriceHistoryRequest",
  "variableType" : "DescribeSpotPriceHistoryRequest",
  "documentation" : null,
  "simpleType" : "DescribeSpotPriceHistoryRequest",
  "variableSetterType" : "DescribeSpotPriceHistoryRequest"
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"wrapper" : false
},
"DescribeSpotPriceHistoryResult" : {
  "c2jName" : "DescribeSpotPriceHistoryResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
},
"deprecated" : false,
"documentation" : "Contains the output of DescribeSpotPriceHistory.\</p>\",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "SpotPriceHistory",
  "c2jShape" : "SpotPriceHistoryList",
  "deprecated" : false,
  "documentation" : "The historical Spot prices.\</p>\",
  "enumType" : null,
  "fluentSetterDocumentation" : "The historical Spot prices.\</p>\n@param spotPriceHistory The historical Spot prices.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
  "fluentSetterMethodName" : "withSpotPriceHistory",
  "getterDocumentation" : "The historical Spot prices.\</p>\n@return The historical Spot prices.\*/",
  "getterMethodName" : "getSpotPriceHistory",
  "getterModel" : {
    "returnType" : "java.util.List<SpotPrice>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPriceHistorySet",
    "uri" : false
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    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "SpotPrice",
      "deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "SpotPrice",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"mapModel" : null,
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"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
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  "simpleType" : "SpotPrice",
  "variableSetterType" : "SpotPrice"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "SpotPrice",
  "documentation" : null
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"variableType" : "SpotPrice",
"documentation" : "",
"simpleType" : "SpotPrice",
"variableSetterType" : "SpotPrice"
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"xmlnsSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "SpotPrice",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotPrice",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
"templateType" : "java.util.List<SpotPrice>
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"map" : false,
"mapModel" : null,
"name" : "SpotPriceHistory",
"setterDocumentation" : "/**<p>The historical Spot prices.</p>
@param spotPriceHistory The historical Spot prices.*/",
"setterMethodName" : "setSpotPriceHistory",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotPrice>",
 "variableName" : "spotPriceHistory",
 "variableType" : "java.util.List<SpotPrice>",
 "documentation" : "",
 "simpleType" : "List<SpotPrice>",
 "variableSetterType" : "java.util.Collection<SpotPrice>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The historical Spot prices.</p>

@link #setSpotPriceHistory(java.util.Collection) or @link #withSpotPriceHistory(java.util.Collection) if you want to override the existing values.*/
@param spotPriceHistory The historical Spot prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableName" : "spotPriceHistory",
 "variableType" : "java.util.List<SpotPrice>",
 "documentation" : "<p>The historical Spot prices.</p>",
 "simpleType" : "List<SpotPrice>",
 "variableSetterType" : "java.util.Collection<SpotPrice>"
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"xmlnsSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

"enumType" : null,
"fluentSetterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

"getterDocumentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.

"getterMethodName" : "getNextToken",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
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"map" : false,
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"name" : "NextToken",
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"setterMethodName" : "setNextToken",
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"documentation" : "",
"simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p><p>@return The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,

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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.*/",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token required to retrieve the next set of results. This value is
<code>null</code> when there are no more results to return.</p>
@param nextToken The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.
@return

Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
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    "variableSetterType" : "String"
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"SpotPriceHistory" : {
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    "c2jShape" : "SpotPriceHistoryList",
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    "documentation" : "<p>The historical Spot prices.</p>",
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    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The historical Spot prices.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotPriceHistory",
"getterDocumentation" : "/**<p>The historical Spot prices.</p>\n@return The historical Spot prices.*/",
"getterMethodName" : "getSpotPriceHistory",
"getterModel" : {
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"documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "spotPriceHistorySet",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "SpotPrice",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p>@return \n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param member */",
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"setterModel" : {
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"documentation" : "",
"simpleType" : "SpotPrice",
"variableSetterType" : "SpotPrice"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*\*/",
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"variableName" : "member",
"variableType" : "SpotPrice",
"documentation" : "",
"simpleType" : "SpotPrice",
"variableSetterType" : "SpotPrice"
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"xmlNameSpaceUri" : null
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"memberType" : "SpotPrice",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType": "java.util.List<SpotPrice>"
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"map": false,
"mapModel": null,
"name": "SpotPriceHistory",
"setterDocumentation": "/**<p>The historical Spot prices.</p>
@param spotPriceHistory The historical Spot prices.*/",
"setterMethodName": "setSpotPriceHistory",
"setterModel": {
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  "variableName": "spotPriceHistory",
  "variableType": "java.util.List<SpotPrice>",
  "documentation": "",
  "simpleType": "List<SpotPrice>",
  "variableSetterType": "java.util.Collection<SpotPrice>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The historical Spot prices.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSpotPriceHistory(java.util.Collection)} or {@link #withSpotPriceHistory(java.util.Collection)} if you want to override the existing values.</p>
@param spotPriceHistory The historical Spot prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "spotPriceHistory",
  "variableType": "java.util.List<SpotPrice>",
  "documentation": "<p>The historical Spot prices.</p>",
  "simpleType": "List<SpotPrice>",
  "variableSetterType": "java.util.Collection<SpotPrice>"
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"xmlNameSpaceUri": null
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"requestSignerClassFqcn": null,
"required": null,
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"unmarshaller": {
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  "resultWrapper": null
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  "variableName": "describeSpotPriceHistoryResult",
  "variableType": "DescribeSpotPriceHistoryResult"
"documentation": null,
"simpleType": "DescribeSpotPriceHistoryResult",
"variableSetterType": "DescribeSpotPriceHistoryResult"
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"DescribeStaleSecurityGroupsRequest": {
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"customization": {

"artifactResultWrapper": null,
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"documentation": "",
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
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"members": [
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"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.
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"documentation": null
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"additionalUnmarshallingPath": null,
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.
*/",
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"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.

```java
@returns A reference to this object so that method calls can be chained together.

```
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p><p>@param nextToken The token for the next set of items to return. (You received this token from a prior call.)</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p><p>@return The token for the next set of items to return. (You received this token from a prior call.)</p>*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "xmlNameSpaceUri" : null
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
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   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]}

"membersAsMap" : {
   "MaxResults" : {
      "c2jName" : "MaxResults",
      "c2jShape" : "MaxResults",
      "deprecated" : false,
      "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
      "enumType" : null,
      "fluentSetterDocumentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "enumType" : null,
   "fluentSetterDocumentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/"}
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/\n@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/
"variantSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"varargGetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"variantSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
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"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>*/
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

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subsequent call to get the next set of results.

@returns Returns a reference to this object so that method calls can be
chained together.*"/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The token for the next set of items to return. (You received this token from a prior
call.)&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The token for the next set of items to return. (You received this token
from a prior call.)&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*"/
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**&lt;p&gt;The token for the next set of items to return. (You received this token from a
prior call.)&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*"/
    "getterMethodName" : "getNextToken",
    "getterModel" : {
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      "documentation" : null
    },
  "http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
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    "location" : null,
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**\n<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName": "setNextToken",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VpcId": {
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**\n<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcId" ],
"shapeName" : "DescribeStaleSecurityGroupsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeStaleSecurityGroupsRequest",
  "variableName" : "describeStaleSecurityGroupsRequest",
  "variableType" : "DescribeStaleSecurityGroupsRequest",
  "documentation" : null,
  "simpleType" : "DescribeStaleSecurityGroupsRequest",
  "variableSetterType" : "DescribeStaleSecurityGroupsRequest"
},
"wrapper" : false
},
"DescribeStaleSecurityGroupsResult" : {
  "c2jName" : "DescribeStaleSecurityGroupsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "StaleSecurityGroupSet",
    "c2jShape" : "StaleSecurityGroupSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the stale security groups.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the stale security groups.</p>
@param staleSecurityGroupSet Information about the stale security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStaleSecurityGroupSet",
    "getterDocumentation" : "/**<p>Information about the stale security groups.</p>
@return Information about the stale security groups.*/",
    "getterMethodName" : "getStaleSecurityGroupSet",
    "getterModel" : {
      "returnType" : "java.util.List<StaleSecurityGroup>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "additionalTemplatePath" : null,
      "additionalUnmarshallingPath" : null,
      "additionalMarshallingPath" : null,
      "optionalMember" : false,
      "requiredMember" : true
    }
  ]
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StaleSecurityGroupSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "staleSecurityGroupSet",
"uri": false}
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "StaleSecurityGroup",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  }
},
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StaleSecurityGroup",
  "variableName" : "member",
  "variableType" : "StaleSecurityGroup",
  "documentation" : ",",
  "simpleType" : "StaleSecurityGroup",
  "variableSetterType" : "StaleSecurityGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "StaleSecurityGroup",
  "variableName" : "member",
  "variableType" : "StaleSecurityGroup",
  "documentation" : ",",
  "simpleType" : "StaleSecurityGroup",
  "variableSetterType" : "StaleSecurityGroup"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "StaleSecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleSecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"templateType" : "java.util.List<StaleSecurityGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "StaleSecurityGroupSet",
"setterDocumentation" : "/**\n@param staleSecurityGroupSet Information about the stale security groups.\n</p>\n@return Information about the stale security groups.*/",
"setterMethodName" : "setStaleSecurityGroupSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
  "variableName" : "staleSecurityGroupSet",
  "variableType" : "StaleSecurityGroup",
  "documentation" : ",",
  "simpleType" : "StaleSecurityGroup",
  "variableSetterType" : "StaleSecurityGroup"
}
"variableName" : "staleSecurityGroupSet",
"variableType" : "java.util.List<StaleSecurityGroup>",
"documentation" : "",
"simpleType" : "List<StaleSecurityGroup>",
"variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the stale security groups.</p>
<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use @<a>link #setStaleSecurityGroupSet(java.util.Collection)</a> or @<a>link #withStaleSecurityGroupSet(java.util.Collection)</a> if you want to override the existing values.</p>
@param staleSecurityGroupSet Information about the stale security groups.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"variableName" : "staleSecurityGroupSet",
"variableType" : "java.util.List<StaleSecurityGroup>",
"documentation" : "Information about the stale security groups."
"simpleType" : "List<StaleSecurityGroup>",
"variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."",
"enumType" : null,
"fluentSetterDocumentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/** <p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p> 
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/

setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p> 
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.

simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.

SimpleType" : "String",
  "variableSetterType" : "String"
},
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
to return, the string is empty.

enumType : null,

"fluentSetterDocumentation" : "/**\n\nThe token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNextToken",

"getDocumentation" : "/**\n\nThe token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n\n@returns\n\nThe token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",

"getMethodName" : "getNextToken",

"getModel" : {

"returnType" : "String",

"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "NextToken",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "nextToken",

"uri" : false
}

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "/**\n\nThe token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setNextToken",

"setterModel" : {

"variableDeclarationType" : "String",

"variableName" : "nextToken",

"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**\n*p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n*param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n*return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"StaleSecurityGroupSet": {
"c2jName": "StaleSecurityGroupSet",
"c2jShape": "StaleSecurityGroupSet",
"deprecated": false,
"documentation": "<p>Information about the stale security groups.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n*p>Information about the stale security groups.\n*param staleSecurityGroupSet Information about the stale security groups.\n*return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStaleSecurityGroupSet",
"getterDocumentation": "/**\n*p>Information about the stale security groups.\n*return Information about the stale security groups.*/",
"getterMethodName": "getStaleSecurityGroupSet",
"getterModel": {
"returnType": "java.util.List<StaleSecurityGroup>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StaleSecurityGroupSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "staleSecurityGroupSet",
"uri": false
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "StaleSecurityGroup",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "StaleSecurityGroup",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
    @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "StaleSecurityGroup",
      "variableName" : "member",
      "variableType" : "StaleSecurityGroup",
      "documentation" : ""},
  },
},
"simpleType" : "StaleSecurityGroup",
"variableSetterType" : "StaleSecurityGroup"
},
"simple" : false,
"varargSetterDocumentation" : "/*/\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "StaleSecurityGroup",
"variableName" : "member",
"variableType" : "StaleSecurityGroup",
"documentation" : "",
"simpleType" : "StaleSecurityGroup",
"variableSetterType" : "StaleSecurityGroup"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleSecurityGroup",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleSecurityGroup",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"templateType" : "java.util.List<StaleSecurityGroup>"
},
"map" : false,
"mapModel" : null,
"name" : "StaleSecurityGroupSet",
"setterDocumentation" : "/**<p>Information about the stale security groups.</p>
@param staleSecurityGroupSet Information about the stale security groups.*/",
"setterMethodName" : "setStaleSecurityGroupSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
"variableName" : "staleSecurityGroupSet",
"variableType" : "java.util.List<StaleSecurityGroup>",
"documentation" : "",
"simpleType" : "List<StaleSecurityGroup>",
"variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the stale security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setStaleSecurityGroupSet(java.util.Collection)} or {@link #withStaleSecurityGroupSet(java.util.Collection)} if you want to override the existing values.*/
@param staleSecurityGroupSet Information about the stale security groups.
@return Returns a reference to this object so that method calls can be chained together."*/",}
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleSecurityGroup>",
   "variableName" : "staleSecurityGroupSet",
   "variableType" : "java.util.List<StaleSecurityGroup>",
   "documentation" : "<p>Information about the stale security groups.</p>",
   "simpleType" : "List<StaleSecurityGroup>",
   "variableSetterType" : "java.util.Collection<StaleSecurityGroup>"
},
+xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeStaleSecurityGroupsResult",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},

"variable" : {
   "variableDeclarationType" : "DescribeStaleSecurityGroupsResult",
   "variableName" : "describeStaleSecurityGroupsResult",
   "variableType" : "DescribeStaleSecurityGroupsResult",
   "documentation" : null,
   "simpleType" : "DescribeStaleSecurityGroupsResult",
   "variableSetterType" : "DescribeStaleSecurityGroupsResult"
},

"wrapper" : false
},

"DescribeSubnetsRequest" : {
   "c2jName" : "DescribeSubnetsRequest",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "<p>Contains the parameters for DescribeSubnets.</p>",
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "marshaller" : {
      "action" : "DescribeSubnets",
      "locationName" : null,
      "xmlNameSpaceUri" : null
   },
   "required" : null,
   "shapeName" : "DescribeSubnetsRequest",
   "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
   },
   "wrapper" : false
}
"requestUri" : "/",
"target" : null,
"verb" : 'POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "SubnetIds",
"c2jShape" : "SubnetIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /*<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
@returns a reference to this object so that method calls can be chained together.*/,
"fluentSetterMethodName" : "withSubnetIds",
"getterDocumentation" : /*<p>One or more subnet IDs.</p> <p>Default: Describes all your subnets.</p>
@return One or more subnet IDs.
@return Describes all your subnets.*/,
"getterMethodName" : "getSubnetIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : { 
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : { 
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
" vão fazer um comentário sobre a imagem e o contexto do usuário.
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*"/
,"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */
,"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SubnetId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SubnetId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*"/
,"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*"/
,"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simple" : true,
 "variableSetterType" : "String"
 },
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> 
<ul>
<li>
<p>
<code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.
</p>
</li>
<li>
<p>
<code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.
</p>
</li>
<li>
<p>
<code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.
</p>
</li>
<li>
<p>
<code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.
</p>
</li>
<li>
<p>
<code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.
</p>
</li>
<li>
<p>
<code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.
</p>
</li>
<li>
<p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</p>
</li>
<li>
<p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
</p>
</li>
<li>
<p>
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
</p>
</li>
<li>
<p>
<code>vpc-id</code> - The ID of the VPC for the subnet.
</p>
</li>
</ul>";
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more filters.</p>
<ul>
<li>
<p>
<code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.
</p>
</li>
<li>
<p>
<code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.
</p>
</li>
<li>
<p>
<code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.
</p>
</li>
<li>
<p>
<code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.
</p>
</li>
<li>
<p>
<code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.
</p>
</li>
<li>
<p>
<code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.
</p>
</li>
<li>
<p>
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
</p>
</li>
<li>
<p>
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
</p>
</li>
<li>
<p>
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
</p>
</li>
</ul>";
<code>vpc-id</code> - The ID of the VPC for the subnet.<p> </li><li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name. You can also use <code>default-for-az</code> as the filter name. You can also use <code>default-for-az</code> as the filter name.</p> </li><li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter name.</p> </li><li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter name. You can also use <code>default-for-az</code> as the filter name.</p> </li><li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li></ul>

@return One or more filters.<p> </li></ul>

</p>

/*<code>vpc-id</code> - The ID of the VPC for the subnet. &lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

@returns Returns a reference to this object so that method calls can be chained together.*",

"fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**
 
 One or more filters.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;p&gt; &lt;code&gt;availabilityZone&lt;/code&gt; - The Availability Zone for the subnet. You can also use &lt;code&gt;availability-zone&lt;/code&gt; as the filter name.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;li&gt; &lt;p&gt; &lt;code&gt;cidrBlock&lt;/code&gt; - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use &lt;code&gt;cidr&lt;/code&gt; or &lt;code&gt;cidr-block&lt;/code&gt; as the filter names.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;p&gt; &lt;code&gt;defaultForAz&lt;/code&gt; - Indicates whether this is the default subnet for the Availability Zone. You can also use &lt;code&gt;default-for-az&lt;/code&gt; as the filter name.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;code&gt;ipv6-cidr-block-association.ipv6-cidr-block-association-id&lt;/code&gt; - An association ID for an IPv6 CIDR block associated with the subnet.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;li&gt; &lt;p&gt; &lt;code&gt;ipv6-cidr-block-association.ipv6-cidr-block-state&lt;/code&gt; - The state of an IPv6 CIDR block associated with the subnet.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;p&gt; &lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;available&lt;/code&gt;),&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;p&gt; &lt;code&gt;subnet-id&lt;/code&gt; - The ID of the subnet.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;code&gt;tag&lt;/code&gt;::&lt;i&gt;key&lt;/i&gt;=:&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;::&lt;i&gt;key&lt;/i&gt;=:&lt;i&gt;value&lt;/i&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

&lt;p&gt; &lt;code&gt;vpc-id&lt;/code&gt; - The ID of the VPC for the subnet.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;

@returns Returns a reference to this object so that method calls can be chained together.*"},
<li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li> <p> <code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>default-for-az</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>tag</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \tag-key=Purpose\ and the filter \tag-value=X\, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>: <i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \tag-key=Purpose\ and the filter \tag-value=X\, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>: <i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li>
"c2jName": "member",
"c2jShape": "Filter",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Filter",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/** <p>One or more filters.</p> 
<ul> 
<li> <p><code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name. </p> </li>
<li> <p><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available. </p> </li>
<li> <p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names. </p> </li>
<li> <p><code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name. </p> </li>
<li> <p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet. </p> </li>
<li> <p><code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet. </p> </li>
<li> <p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet. </p> </li>
<li> <p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li>
<li> <p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
<li> <p><code>vpc-id</code> - The ID of the VPC for the subnet. </p> </li>
</ul>
@param filters One or more filters."
<p>- The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> 

- The number of IPv4 addresses in the subnet that are available.</p> 

- The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet’s CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> 

- Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> 

- An IPv6 CIDR block associated with the subnet.</p> 

- The state of an IPv6 CIDR block associated with the subnet.</p> 

- The state of the subnet (<code>pending</code> | <code>available</code>).</p> 

- The ID of the subnet.</p> 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> 

- The ID of the VPC for the subnet.</p> 

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- The ID of the VPC for the subnet.
The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag-key filter. The value of a tag assigned to the resource. This filter is independent of the tag-key filter. <ul>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
<li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet. </p> </li>
</ul>
NOTE: This method appends the values to the existing list (if any). Use {@link #setFilters(java.util.Collection)} or {@link #withFilters(java.util.Collection)} if you want to override the existing values.

@<i>param</i> filters One or more filters.

@return Returns a reference to this object so that method calls can be chained together.*"*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p>"
}
<code>subnet-id</code> - The ID of the subnet.</li><li><code>availability-zone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</li><li><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</li><li><code>cidr-block</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr-block</code> as the filter name.</li><li><code>default-for-az</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</li><li><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</li><li><code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</li><li><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</li><li><code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code>). The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>country</code> for the filter value.</li><li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:country</code> filter.</li><li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:country</code> filter.</li><li><code>vpc-id</code> - The ID of the VPC for the subnet.</li></ul>

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
}
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters."}
"availabilityZone" - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.
"available-ip-address-count" - The number of IPv4 addresses in the subnet that are available.
"cidr-block" - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr-block</code> as the filter name.
"default-for-az" - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.
"ipv6-cidr-block-association.ipv6-cidr-block" - An IPv6 CIDR block associated with the subnet.
"ipv6-cidr-block-association.association-id" - An association ID for an IPv6 CIDR block associated with the subnet.
"ipv6-cidr-block-association.state" - The state of an IPv6 CIDR block associated with the subnet.
"state" - The state of the subnet (<code>pending</code> | <code>available</code>). The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>country</code> for the filter value.
"tag-key" - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:country</code> filter.
"tag-value" - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:country</code> filter.
"vpc-id" - The ID of the VPC for the subnet.
"availabilityZone" - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.
"available-ip-address-count" - The number of IPv4 addresses in the subnet that are available.
"cidr-block" - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr-block</code> as the filter name.
"default-for-az" - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.
addresses in the subnet that are available.</li> <li><p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> </li> <li><p><code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li><p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>state</code> - The state of the subnet (pending | available).</p> </li> <li><p><code>subnet-id</code> - The ID of the subnet.</p> </li> <li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.</p> </li> <li><p><code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li> <ul><li><p><code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li><p><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li><p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p> </li> <li><p><code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li><p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet.</p> </li> <li><p><code>state</code> - The state of the subnet (pending | available).</p> </li> <li><p><code>subnet-id</code> - The ID of the subnet.</p> </li> <li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-key</code> filter.</p> </li> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.</p> </li> <li><p><code>vpc-id</code> - The ID of the VPC for the subnet.</p> </li> <ul><li><p><code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li><p><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li><p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you
specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names. </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name. </p> <li> <p> <code>available</code> - The state of the subnet (<code>pending</code> | <code>available</code>). </p> <li> <p> <code>subnet-id</code> - The ID of the subnet. </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>default-for-az</code> as the filter name. </p> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code>). </p> <li> <p> <code>subnet-id</code> - The ID of the subnet. </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet. </p> <li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available. </p> <li> <p> <code>cidr-block</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>vpc-id</code> - The ID of the VPC for the subnet. </p> <li> <p> <code>default-for-az</code> as the filter name. </p> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the subnet. </p> <li> <p> <code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code>). </p> <li> <p> <code>subnet-id</code> - The ID of the subnet. </p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names. </p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>defaultForAz</code> or <code>cidr-block</code> as the filter names.

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Filter",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Filter",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
 "implType": "com.amazonaws.internal.SdkInternalList",
 "interfaceType": "java.util.List",
 "listMemberModel": {
  "c2jName": "member",
  "c2jShape": "Filter",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n@return\n\t\nReturns a reference to this object so that method calls can be chained together.\n*/",
  "getterMethodName": "getMember",
  "getterModel": {
   "returnType": "Filter",
   "documentation": null
  }
 },
 "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p>
<li><p><code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p></li>
<li><p><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p></li>
<li><p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you
specify must exactly match the subnet’s CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p></li>
<li><p><code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name. You can also use <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet. The ID of an IPv6 CIDR block associated with the subnet.</p></li>
<li><p><code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code> | <code>subnet-id</code> - The ID of the subnet.</p></li>
<li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Purpose=X</code> for the filter value.</p></li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p></li>
<li><p><code>vpc-id</code> - The ID of the VPC for the subnet.</p></li>
<li><p><code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p></li>
<li><p><code>cidrBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p></li>
<li><p><code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p></li>
<li><p><code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the subnet.</p></li>
<li><p><code>state</code> - The state of the subnet (<code>pending</code> | <code>available</code> | <code>subnet-id</code> - The ID of the subnet.</p></li>
<li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>Purpose=X</code> for the filter value.</p></li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. You can also use <code>cidr</code> or <code>cidr-block</code> as the filter names.</p></li>
<li><p><code>vpc-id</code> - The ID of the VPC for the subnet.</p></li>
</ul>

```javascript
setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
```
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"vargrargSetterDocumentation" : "\*/\*\p>One or more filters.</p> <ul> <li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li> <p> <code>cirdBBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cirdB</code> or <code>cird-block</code> as the filter names.</p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>ipv6-cirdB-block-association.ipv6-cirdB-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cirdB-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>pending</code> - The ID of the subnet.</p> </li> <li> <p> <code>state</code> - The state of the subnet.</p> </li> </ul>

<p>Note: This method appends the values to the existing list (if any). Use \{@link #setFilters(java.util.Collection)\} or \{ @link #withFilters(java.util.Collection)\} if you want to override the existing values.\</p>

@<param name filters One or more filters.\</p> <ul> <li> <p> <code>availabilityZone</code> - The Availability Zone for the subnet. You can also use <code>availability-zone</code> as the filter name.</p> </li> <li> <p> <code>available-ip-address-count</code> - The number of IPv4 addresses in the subnet that are available.</p> </li> <li> <p> <code>cirdBBlock</code> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use <code>cirdB</code> or <code>cird-block</code> as the filter names.</p> </li> <li> <p> <code>defaultForAz</code> - Indicates whether this is the default subnet for the Availability Zone. You can also use <code>default-for-az</code> as the filter name.</p> </li> <li> <p> <code>ipv6-cirdB-block-association.ipv6-cirdB-block</code> - An IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>ipv6-cirdB-block-association.association-id</code> - An association ID for an IPv6 CIDR block associated with the subnet.</p> </li> <li> <p> <code>pending</code> - The ID of the subnet.</p> </li> <li> <p> <code>state</code> - The state of the subnet.</p> </li> </ul>

<p>Note: This method appends the values to the existing list (if any). Use \{@link #setFilters(java.util.Collection)\} or \{ @link #withFilters(java.util.Collection)\} if you want to override the existing values.\</p>
value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

@example

```java
<code>tag-key</code>: &lt;i&gt;value&lt;/i&gt; - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter.

@example

```java
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

@example

```java
&lt;code>vpc-id</code> - The ID of the VPC for the subnet.

@example

```java
&lt;code>subnet-id</code> - The ID of the subnet.

@example

```java
&lt;code>tag</code>:&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag <code>Purpose=X</code>, specify <code>tag:Purpose=X</code> for the filter name and <code>X</code> for the filter value.

@example

```java
&lt;code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>"tag-key=Purpose"</code> and the filter <code>"tag-value=X"</code>, you get any resources assigned both the tag key <code>"Purpose"</code> (regardless of what the tag's value is), and the tag value <code>X</code> (regardless of what the tag's key is). If you want to list only resources where <code>Purpose</code> is <code>X</code>, see the <code>tag-key</code> filter. This filter is independent of the <code>tag-value</code> filter.

@example

```java
&lt;code>vpc-id</code> - The ID of the VPC for the subnet.
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SubnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SubnetId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SubnetId",
      "uri" : false
    }
  }
}
"marshallLocationName": "SubnetId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SubnetId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* @param member
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "SubnetId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
},
"map": false,
"mapModel" : null,
"name" : "SubnetIds",
"setterDocumentation" : "/**<p>One or more subnet IDs.</p>
@param subnetIds One or more subnet IDs.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more subnet IDs.</p>
@param subnetIds One or more subnet IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSubnetIds(java.util.Collection)} or {@link #withSubnetIds(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "subnetIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more subnet IDs.
Default: Describes all your subnets.

@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeSubnetsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeSubnetsRequest",
  "variableName" : "describeSubnetsRequest",
  "variableType" : "DescribeSubnetsRequest",
  "documentation" : null,
  "simpleType" : "DescribeSubnetsRequest",
  "variableSetterType" : "DescribeSubnetsRequest",
  "wrapper" : false
},
"DescribeSubnetsResult" : {
  "c2jName" : "DescribeSubnetsResult",
  "customization" : {}}
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
},
"deprecated": false,
"documentation": "<p>Contains the output of DescribeSubnets.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "Subnets",
  "c2jShape": "SubnetList",
  "deprecated": false,
  "documentation": "<p>Information about one or more subnets.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about one or more subnets.</p>
@param subnets
Information about one or more subnets.
@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName": "withSubnets",
  "getterDocumentation": "/**<p>Information about one or more subnets.</p>
@return Information about one or more subnets.*/",
  "getterMethodName": "getSubnets",
  "getterModel": {
    "returnType": "java.util.List<Subnet>",
    "documentation": null
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SubnetSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "subnetSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Subnet",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Subnet",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Subnet",
      "variableName" : "member",
      "variableType" : "Subnet",
      "documentation" : "",
      "simpleType" : "Subnet",
      "variableSetterType" : "Subnet"
null};

"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Subnet",
  "variableName" : "member",
  "variableType" : "Subnet",
  "documentation" : "",
  "simpleType" : "Subnet",
  "variableSetterType" : "Subnet"
},

"xmlNameSpaceUri" : null,

"memberLocationName" : "item",
"memberType" : "Subnet",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Subnet",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Subnet",
"templateType" : "java.util.List<Subnet>",

"map" : false,
"mapModel" : null,

"name" : "Subnets",
"setterDocumentation" : "/**<p>Information about one or more subnets.</p>
@param subnets Information about one or more subnets.*/",

"setterMethodName" : "setSubnets",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet",
  "variableName" : "subnets",
  "variableType" : "java.util.List<Subnet>",
  "documentation" : "",
  "simpleType" : "List<Subnet>",
  "variableSetterType" : "java.util.Collection<Subnet>"
},

"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more subnets.</p>
\NOTE: </b> This method appends the values to the existing list (if any). Use {@link #setSubnets(java.util.Collection)} or {@link #withSubnets(java.util.Collection)} if you want to override the existing values.</p>
@param subnets Information about one or more subnets.<h1@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet",

"variableName" : "subnets",
"variableType" : "java.util.List<Subnet>",
"documentation" : "<p>Information about one or more subnets.</p>",
"simpleType" : "List<Subnet>",
"variableSetterType" : "java.util.Collection<Subnet>"
},
"xmlNameSpaceUri" : null
} ].
"membersAsMap" : {
"Subnets" : {
"c2jName" : "Subnets",
"c2jShape" : "SubnetList",
"deprecated" : false,
"documentation" : "<p>Information about one or more subnets.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Information about one or more subnets.
\n@param subnets Information about one or more subnets.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnets",
"getterDocumentation" : "/**\n* Information about one or more subnets.
\n@return Information about one or more subnets.*/",
"getterMethodName" : "getSubnets",
"getterModel" : {
"returnType" : "java.util.List<Subnet>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Subnet",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"c2jShape" : "Subnet",
"deprecated" : false,
"documentation" : "",
"elementType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Subnet",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Subnet",
  "variableName" : "member",
  "variableType" : "Subnet",
  "documentation" : "",
  "simpleType" : "Subnet",
  "variableSetterType" : "Subnet"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "Subnet",
"variableName" : "member",
"variableType" : "Subnet",
"documentation" : "",
"simpleType" : "Subnet",
"variableSetterType" : "Subnet"
}

"xmlNameSpaceUri" : null

"memberLocationName" : "item",
"memberType" : "Subnet",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Subnet",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Subnet>",
"templateType" : "java.util.List<Subnet>
",
"map" : false,
"mapModel" : null,
"name" : "Subnets",
"setterDocumentation" : "/**<p>Information about one or more subnets.<p/>
@param subnets Information about one or more subnets.*/",
"setterMethodName" : "setSubnets",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet>",

"variableName" : "subnets",

"variableType" : "java.util.List<Subnet>",

"documentation" : "",

"simpleType" : "List<Subnet>",

"variableSetterType" : "java.util.Collection<Subnet>"

}

"simple" : false,

"varargSetterDocumentation" : "/**<p>Information about one or more subnets.</p><p/>

@<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSubnets(java.util.Collection)} or

{@link #withSubnets(java.util.Collection)} if you want to override the existing values.*/

@param subnets Information about one or more subnets.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Subnet>",

"variableName" : "subnets",

"variableType" : "java.util.List<Subnet>",

"documentation" : "<p>Information about one or more subnets.</p>

"simpleType" : "List<Subnet>",

"variableSetterType" : "java.util.Collection<Subnet>"
"variable": {
  "variableDeclarationType": "DescribeSubnetsResult",
  "variableName": "describeSubnetsResult",
  "variableType": "DescribeSubnetsResult",
  "documentation": null,
  "simpleType": "DescribeSubnetsResult",
  "variableSetterType": "DescribeSubnetsResult"
},
"wrapper": false
},
"DescribeTagsRequest": {
  "c2jName": "DescribeTagsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeTags.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": {
    "action": "DescribeTags",
    "locationName": null,
    "requestUri": "/",
    "target": null,
    "verb": "POST",
    "xmlNameSpaceUri": null
  },
  "members": [
    {
      "c2jName": "Filters",
      "xmlNameSpaceUri": null
    }
  ]
}
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "One or more filters."<ul>
<li><code>key</code> - The tag key.</li>
<li><code>resource-id</code> - The resource ID.</li>
</ul>

"enumType": null,
"fluentSetterDocumentation": "One or more filters."<ul>
<li><code>key</code> - The tag key.</li>
<li><code>resource-id</code> - The resource ID.</li>
</ul>

"fluentSetterMethodName": "withFilters",
"getterDocumentation": "One or more filters."<ul>
<li><code>key</code> - The tag key.</li>
<li><code>resource-id</code> - The resource ID.</li>
</ul>

"getterMethodName": "getFilters",
"getterModel": {
"returnType": "java.util.List<Filter>",
"documentation": null}.
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "Filter",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "Filter",  
"uri": false  
},  
"idempotencyToken": false,  
"list": true,  
"listModel": {  
"implType": "com.amazonaws.internal.SdkInternalList",  
"interfaceType": "java.util.List",  
"listMemberModel": {  
"c2jName": "member",  
"c2jShape": "Filter",  
"deprecated": false,  
"documentation": "",  
"enumType": null,  
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",  
"fluentSetterMethodName": "withMember",  
"getterDocumentation": "/**
@return */",  
"getterMethod": {  
"returnType": "Filter",  
"documentation": null  
},  
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocationName": "Filter",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "Filter",  
"uri": false  
}  
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>key</code> - The tag key.</p>
</li> <li> <p> <code>resource-id</code> - The resource ID.</p>
</li> <li> <p> <code>resource-type</code> - The resource type.</p>
</li> <li> <p> <code>resource-ids</code> - The resource IDs.</p>
</li>
*/
</ul>\n@\n@return Returns a reference to this object so that method calls can be chained together.*/}
resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
<li> <p> <code>value</code> - The tag value. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values. </p>
</li> <li> <p> <code>key</code> - The tag key. </p>
</li> <li> <p> <code>resource-id</code> - The resource ID. </p>
</li> <li> <p> <code>resource-type</code> - The resource type (<code>customer-gateway</code> | <code>dhcp-options</code> | <code>image</code> | 
<code>snapshot</code> | <code>spot-instances-request</code> | <code>subnet</code> | <code>volume</code> | 
<code>vpc</code> | <code>vpn-connection</code> | <code>vpn-gateway</code>). </p>
</li> <li> <p> <code>value</code> - The tag value. </p>
</li>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlnsSpaceUri" : null
],
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p&gt;The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@\param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**\p&gt;The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\p&gt;\n@return The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\p&gt;\n
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
null,
"name" : "MaxResults",
"setterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to retrieve the next page of results.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token to retrieve the next page of results.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token to retrieve the next page of results.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token to retrieve the next page of results.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"setterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.\n@returns Returns a reference to this object so that method calls can be chained together.*/

```
"documentation": "<p>The token to retrieve the next page of results.</p>",
"simpleType": "String",
"variableSetterType": "String"
}
},
"xmlNameSpaceUri": null
]
},
"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li><code>key</code> - The tag key.</li>
<li><code>resource-id</code> - The resource ID.</li>
<li><code>value</code> - The tag value.</li>
</ul>
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterDocumentation": "/**
 * <p>One or more filters.</p>
 * <ul>
 * <li><code>key</code> - The tag key.</li>
 * <li><code>resource-id</code> - The resource ID.</li>
 * <li><code>value</code> - The tag value.</li>
 * </ul>
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName": "withFilters",

"getterDocumentation": "/*
 * <p>One or more filters.</p>
 * <ul>
 * <li><code>key</code> - The tag key.</li>
 * <li><code>resource-id</code> - The resource ID.</li>
 * <li><code>value</code> - The tag value.</li>
 * </ul>
 * @return One or more filters.
 */

"getterMethodName": "getFilters""}

```java
getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Filter",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : { 
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : { 
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/** <p>One or more filters.</p> <ul>
    <li> <p> <code>key</code> - The tag key.</p> </li>
    <li> <p> <code>resource-id</code> - The resource ID.</p> </li>
</ul>
@param filters One or more filters.
*/
"setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>One or more filters.</p> <ul>
    <li> <p> <code>key</code> - The tag key.</p> </li>
    <li> <p> <code>resource-id</code> - The resource ID.</p> </li>
</ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>
@param filters One or more filters.
*/
"varargSetterMethodName" : "setFilters",
"varargSetterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
}
}

@return Returns a reference to this object so that method calls can be chained together.*/

/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>

@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.

@return Returns a reference to this object so that method calls can be chained together.*/

"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>
@param maxResults The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
};
**DescribeTagsResult**

- **c2jName**: "DescribeTagsResult"
- **customization**: {
  - "artificialResultWrapper" : null,
  - "skipGeneratingMarshaller" : false,
  - "skipGeneratingModelClass" : false,
  - "skipGeneratingUnmarshaller" : false
}
- **deprecated**: false
- **documentation**: "Contains the output of DescribeTags."
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "Tags",
    "c2jShape": "TagDescriptionList",
    "deprecated": false,
    "documentation": "A list of tags.",
    "enumType": null,
    "fluentSetterDocumentation": "A list of tags.
    @param tags A list of tags.
    @return Returns a reference to this object so that method calls can be chained together.
    
    fluentSetterMethodName": "withTags",
    "getterDocumentation": "A list of tags.
    @return A list of tags.
    
    getterMethodName": "getTags",
    "getterModel": {
      "returnType": "java.util.List<TagDescription>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "TagSet",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "tagSet",
      "uri": false
    },
    "idempotencyToken": false,
    "list": true,
    "listModel": {
      "implType": "com.amazonaws.internal.SdkInternalList",
      "interfaceType": "java.util.List",
      "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "TagDescription",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterDocumentation": "A list of tags.
        @param member A list of tags.
        @return Returns a reference to this object so that method calls can be chained together.
        
        fluentSetterMethodName": "withMember",
        "getterDocumentation": "A list of tags.
        @return A list of tags.
        
        getterMethodName": "getMember",
        "getterModel": {
          "returnType": "java.util.List<TagDescription>",
          "documentation": null
        }
      }
    }
  }
]
"getterModel" : {
    "returnType" : "TagDescription",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "TagDescription",
    "variableName" : "member",
    "variableType" : "TagDescription",
    "documentation" : "",
    "simpleType" : "TagDescription",
    "variableSetterType" : "TagDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "TagDescription",
    "variableName" : "member",
    "variableType" : "TagDescription",
    "documentation" : "",
    "simpleType" : "TagDescription",
    "variableSetterType" : "TagDescription"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "TagDescription",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TagDescription",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TagDescription>",
"templateType" : "java.util.List<TagDescription>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>A list of tags.</p>
@param tags A list of tags.*="/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TagDescription>",
"variableName" : "tags",
"variableType" : "java.util.List<TagDescription>",
"documentation" : "",
"simpleType" : "List<TagDescription>",
"variableSetterType" : "java.util.Collection<TagDescription>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of tags.</p><\n@param tags A list of tags.</p>
NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p><\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TagDescription>",
"variableName" : "tags",
"variableType" : "java.util.List<TagDescription>",
"documentation" : "<p>A list of tags.</p>",
"simpleType" : "List<TagDescription>",
"variableSetterType" : "java.util.Collection<TagDescription>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..<p/>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..<p/>
@param nextToken The token to use to retrieve
the next page of results. This value is <code>null</code> when there are no more results to return.

Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p><p>@return
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return..*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.</p><p>@param nextToken The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return..*/

```
Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
    "NextToken" : {
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..
@returns A reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withNextToken",
        "getterDocumentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..</p>
@returns The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return..*/",
        "getterMethodName" : "getNextToken",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "NextToken",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "nextToken",
            "uri" : false
        }
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.<*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.<*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagDescriptionList",
    "deprecated" : false,
    "documentation" : "<p>A list of tags.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of tags.</p>
@param tags A list of tags.
@return Returns a reference to this object so that method calls can be chained together.<*/",
    "fluentSetterMethodName" : "withTags",
    "getterDocumentation" : "/**<p>A list of tags.</p>
@return A list of tags.<*/",
    "getterMethodName" : "getTags",
    "getterModel" : {
        "returnType" : "java.util.List<TagDescription>",
        "documentation" : null
    }
}
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "TagDescription",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return\n*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "TagDescription",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TagSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tagSet",
"uri": false
}
},
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TagSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tagSet",
"uri": false
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "TagDescription",
"variableName" : "member",
"variableType" : "TagDescription",
"documentation" : "",
"simpleType" : "TagDescription",
"variableSetterType" : "TagDescription"
},
"simple" : false,
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"variableName" : "member",
"variableType" : "TagDescription",
"documentation" : "",
"simpleType" : "TagDescription",
"variableSetterType" : "TagDescription"
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"templateType" : "java.util.List<TagDescription>
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"setterDocumentation" : "/**<p>A list of tags.</p>\n@param tags A list of tags.*/

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  "documentation": "",
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  "variableSetterType": "java.util.Collection<TagDescription>"
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"simple": false,
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  "variableSetterType": "java.util.Collection<TagDescription>"
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"required": null,
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"unmarshaller": {
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  "resultWrapper": null
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"wrapper": false
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"DescribeVolumeAttributeRequest": {
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"deprecated" : false,
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"hasStreamingMember" : false,
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  "xmlNameSpaceUri" : null
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>@param volumeId The ID of the volume.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/**<p>The ID of the volume.</p>@return The ID of the volume.<br/>*/",
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    "getterModel" : {
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      "documentation" : null
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@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType": "VolumeAttributeName",
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@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
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@return The instance attribute.
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  "documentation": null
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@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
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    "c2jShape": "VolumeAttributeName",


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@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/",
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@return The instance attribute.
@see VolumeAttributeName*/",
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  "isStreaming" : false,
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@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param attribute The instance attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttributeName*/"
attribute.

@see VolumeAttributeName*/

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  "c2jShape": "String",
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  "enumType": null,
  "fluentSetterDocumentation": "/**
<param volumeId The ID of the volume.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVolumeId",
  "getterDocumentation": "/**
@return The ID of the volume.

@see VolumeId*/",
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    "documentation": null
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "VolumeId",
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VolumeId"}
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@param volumeId The ID of the volume.*/",
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"setterModel" : {
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
"required" : [ "VolumeId" ],
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"unmarshaller" : null,
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  "variableName" : "describeVolumeAttributeRequest",
  "variableType" : "DescribeVolumeAttributeRequest",
  "documentation" : null,
  "simpleType" : "DescribeVolumeAttributeRequest",
  "variableSetterType" : "DescribeVolumeAttributeRequest"
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"wrapper" : false
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"DescribeVolumeAttributeResult" : {
  "c2jName" : "DescribeVolumeAttributeResult",
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  "deprecated" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"enumType" : null,
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@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "unmarshallLocationName" : "volumeId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
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@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
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"documentation" : null
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"simpleType": "String",
"variableSetterType": "String"
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@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jName": "AutoEnableIO",
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@param autoEnableIO The state of <code>autoEnableIO</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@return The state of <code>autoEnableIO</code> attribute.*/",
"getterMethodName": "getAutoEnableIO",
"getterModel": {
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"documentation": null
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"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
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"variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>The ID of the volume.</p>",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@return The state of <code>autoEnableIO</code> attribute.*/",
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"isStreaming": false,
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"statusCode": false,
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The state of <code>autoEnableIO</code> attribute.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType": "Boolean",
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    "variableSetterType": "Boolean"
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@param autoEnableIO The state of <code>autoEnableIO</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "ProductCodeList",
"deprecated": false,
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"enumType": null,
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@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withProductCodes",
"getterDocumentation": "/**<p>A list of product codes.</p>
@param return A list of product codes.
@return A list of product codes.*/",
"getterMethodName": "getProductCodes",
"getterModel": {
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    "documentation": null
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"http": {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
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"unmarshallLocationName" : "productCodes",
"uri" : false
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"idempotencyToken" : false,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "ProductCode",
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"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getModel" : {
"returnType" : "ProductCode",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"mapModel": null,
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  "simpleType": "ProductCode",
  "variableSetterType": "ProductCode"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableType": "ProductCode",
  "documentation": "",
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  "variableSetterType": "ProductCode"
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"memberType": "ProductCode",
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType": "java.util.List<ProductCode>"
},
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.</p>\n@param productCodes A list of product codes.*/",
"setterMethodName": "setProductCodes"
"setterModel" : {
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  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "<p>A list of product codes.</p>
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AutoEnableIO" : {
    "c2jName" : "AutoEnableIO",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>The state of <code>autoEnableIO</code> attribute.</p>
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
  }
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoEnableIO",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "autoEnableIO",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoEnableIO",
"setterDocumentation" : "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@param autoEnableIO The state of <code>autoEnableIO</code> attribute.*/",
"setterMethodName" : "setAutoEnableIO",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of <code>autoEnableIO</code> attribute.</p>
@param autoEnableIO The state of <code>autoEnableIO</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "<p>The state of <code>autoEnableIO</code> attribute.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"ProductCodes" : {
  "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeList",
  "deprecated" : false,
  "documentation" : "<p>A list of product codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "list" : false,
"getterDocumentation" : "/**\n*A list of product codes.\n\n@return A list of product codes.*\n",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<ProductCode>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flatned" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "marshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*\n",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flatned" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",

"setterModel": {
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
},
"xmlNameSpaceUri": null
},

"memberLocationName": "item",
"memberType": "ProductCode",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType": "java.util.List<ProductCode>"
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName": "setProductCodes",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName": "productCodes",
  "variableType": "java.util.List<ProductCode>",
  "documentation": "",
  "simpleType": "List<ProductCode>",
  "variableSetterType": "java.util.Collection<ProductCode>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes A list of product codes.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName": "productCodes",
  "variableType": "java.util.List<ProductCode>",
  "documentation": "<p>A list of product codes.</p>
  
  "variableSetterType": "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri": null
},
"VolumeId": {
  "c2jName": "VolumeId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the volume.</p>
  
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the volume.</p>
   
   "getterDocumentation": "/**<p>The ID of the volume.</p>
   
   "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
"resultWrapper" : null,
},
"variable" : {
  "variableDeclarationType" : "DescribeVolumeAttributeResult",
  "variableName" : "describeVolumeAttributeResult",
  "variableType" : "DescribeVolumeAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeVolumeAttributeResult",
  "variableSetterType" : "DescribeVolumeAttributeResult"
},
"wrapper" : false
},
"DescribeVolumeStatusRequest" : {
  "c2jName" : "DescribeVolumeStatusRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for DescribeVolumeStatus.<p>,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeVolumeStatus",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "VolumeIds",
    "c2jShape" : "VolumeIdStringList",
    "deprecated" : false,
    "documentation" : "One or more volume IDs. Default: Describes all your volumes.<p",
    "enumType" : null,
    "fluentSetterDocumentation" : "One or more volume IDs. Default: Describes all your volumes.<p @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeIds",
    "getterDocumentation" : "One or more volume IDs. Default: Describes all your volumes.<p @return One or more volume IDs.*/"};
"getterMethodName" : "getVolumeIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"}
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>\n@param volumeIds One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>\n\n@NOTE:</p> This method appends the values to the existing list (if any). Use '{@link #setVolumeIds(java.util.Collection)} or '{@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p>\n@param volumeIds One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more volume IDs. <p>Default: Describes all your volumes.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
  <li> <p> <code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>).</p> </li>
  <li> <p> <code>action.description</code> - A description of the action.</p> </li>
  <li> <p> <code>action.event-id</code> - The event ID associated with the action.</p> </li>
  <li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li>
  <li> <p> <code>event.description</code> - A description of the event.</p> </li>
  <li> <p> <code>event.event-id</code> - The Event ID.</p> </li>
  <li> <p> <code>event.not-after</code> - The latest end time for the event.</p> </li>
  <li> <p> <code>event.not-before</code> - The earliest start time for the event.</p> </li>
  <li> <p> <code>volume-status.details-name</code> - The cause for <code>volume-status.status</code> (for <code>io-enabled</code>).</p> </li>
</ul>
- The status of the volume (`<code>ok</code> | `<code>impaired</code>` | `<code>warning</code>` | `<code>insufficient-data</code>`).
  </li>
</ul>

"FluentSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> `<p>` <code>action.code</code> - The action code for the event (for example, `<code>enable-volume-io</code>`).
  </li>
  <li> `<p>` <code>action.event-id</code> - The event ID associated with the action.
  </li>
  <li> `<p>` <code>availability-zone</code> - The Availability Zone of the instance.
  </li>
  <li> `<p>` <code>event.description</code> - A description of the event.
  </li>
  <li> `<p>` <code>event.event-id</code> - The event ID.
  </li>
  </li>
</ul>
@param filters One or more filters.</p> <ul> <li> `<p>` <code>action.code</code> - The action code for the event (for example, `<code>enable-volume-io</code>`).
  </li>
  </li>
  <li> `<p>` <code>action.event-id</code> - The event ID associated with the action.
  </li>
  <li> `<p>` <code>availability-zone</code> - The Availability Zone of the instance.
  </li>
  <li> `<p>` <code>event.description</code> - A description of the event.
  </li>
  <li> `<p>` <code>event.event-id</code> - The event ID.
  </li>
  </li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.*"/",

"FluentSetterMethodName": "withFilters",

"getDocumentation": "/**<p>One or more filters.</p> <ul> <li> `<p>` <code>action.code</code> - The action code for the event (for example, `<code>enable-volume-io</code>`).
  </li>
  </li>
  <li> `<p>` <code>action.event-id</code> - The event ID associated with the action.
  </li>
  <li> `<p>` <code>availability-zone</code> - The Availability Zone of the instance.
  </li>
  <li> `<p>` <code>event.description</code> - A description of the event.
  </li>
  <li> `<p>` <code>event.event-id</code> - The event ID.
  </li>
  </li>
</ul>
@param filters One or more filters.</p> <ul> <li> `<p>` <code>action.code</code> - The action code for the event (for example, `<code>enable-volume-io</code>`).
  </li>
  </li>
  <li> `<p>` <code>action.event-id</code> - The event ID associated with the action.
  </li>
  <li> `<p>` <code>availability-zone</code> - The Availability Zone of the instance.
  </li>
  <li> `<p>` <code>event.description</code> - A description of the event.
  </li>
  <li> `<p>` <code>event.event-id</code> - The event ID.
  </li>
  </li>
</ul>
@return Returns a reference to this object so that method calls can be chained together.*"/"

"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {

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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
   "c2jName" : "member",
   "c2jShape" : "Filter",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**
   @param member
   @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withMember",
   "getterDocumentation" : "/**
   @return */",
   "getterMethodName" : "getMember",
   "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "Member",
   "setterDocumentation" : "/**
   @param member */",
   "setterMethodName" : "setMember",
   "setterModel" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
      "documentation" : "",
      "simpleType" : "Filter",
      "variableSetterType" : "Filter"
   }
}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"},
"map" : false,
"mapModel" : null,
"name" : "Filters",
**setterMethodName** : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setFilters(java.util.Collection)] or [@link #withFilters(java.util.Collection)] if you want to override the existing values.</p>
</code>
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>). </p> </li> 
</ul>
</li>
"variableSetterType" : "java.util.Collection<Filter>"},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"/*/
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future request.</p>"
}
<code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. <p>
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. @return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**
<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */

@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. @return The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */

"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */

@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return. */

"setterMethodName" : "setNextToken",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>*/\n@returns The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
{ "c2jName" : "MaxResults",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>*/",}
parameter in the same request.

```java
@param maxResults The maximum number of volume results returned by
`DescribeVolumeStatus` in paginated output. When this parameter is used, the request only returns
`MaxResults` results in a single page along with a `NextToken` response element. The
remaining results of the initial request can be seen by sending another request with the returned
`NextToken` value. This value can be between 5 and 1000; if `MaxResults` is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
`DescribeVolumeStatus` returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.

@return Returns a reference to this object so that method calls can be chained
together.
```

```java
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**
<p>The maximum number of volume results returned by
`DescribeVolumeStatus` in paginated output. When this parameter is used, the request only returns
`MaxResults` results in a single page along with a `NextToken` response element. The
remaining results of the initial request can be seen by sending another request with the returned
`NextToken` value. This value can be between 5 and 1000; if `MaxResults` is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
`DescribeVolumeStatus` returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.</p>

@return The maximum number of volume results returned by
`DescribeVolumeStatus` in paginated output. When this parameter is used, the request only returns
`MaxResults` results in a single page along with a `NextToken` response element. The
remaining results of the initial request can be seen by sending another request with the returned
`NextToken` value. This value can be between 5 and 1000; if `MaxResults` is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
`DescribeVolumeStatus` returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.
"/"",

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.</p>
@param maxResults The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.</p>
@param maxResults The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The
remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer"}
The maximum number of volume results returned by `DescribeVolumeStatus` in paginated output. When this parameter is used, the request only returns `MaxResults` results in a single page along with a `NextToken` response element. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1000; if `MaxResults` is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then `DescribeVolumeStatus` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```
"documentation": "<p>The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns
<code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>

"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"Filters": {
"c2jName": "Filters",
"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li> <code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>). </li>
<li> <code>action.description</code> - A description of the action. </li>
<li> <code>action.event-id</code> - The event ID associated with the action. </li>
<li> <code>availability-zone</code> - The Availability Zone of the instance. </li>
<li> <code>event.description</code> - A description of the event. </li>
<li> <code>event.event-id</code> - The event ID. </li>
<li> <code>event.not-after</code> - The latest end time for the event. </li>
<li> <code>event.not-before</code> - The earliest start time for the event. </li>
<li> <code>volume-status.status</code> - The status of the volume (<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>). </li>
"enumType": null,
"fluentSetterDocumentation": "<p>One or more filters.</p> <ul>
<li> <code>action.code</code> - The action code for the event (for example, <code>enable-volume-io</code>). </li>
<li> <code>action.description</code> - A description of the action. </li>
<li> <code>action.event-id</code> - The event ID associated with the action. </li>
<li> <code>availability-zone</code> - The Availability Zone of the instance. </li>
<li> <code>event.description</code> - A description of the event. </li>
<li> <code>event.event-id</code> - The event ID. </li>
<li> <code>event.not-after</code> - The latest end time for the event. </li>
<li> <code>event.not-before</code> - The earliest start time for the event. </li>
```

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- The status of the volume `<code>volume-status.status</code>`:
  - `<code>ok</code>` | `<code>impaired</code>` | `<code>warning</code>` | `<code>insufficient-data</code>`.

- `<code>action.action-id</code>` - The action ID associated with the event.
- `<code>event.event-id</code>` - The event ID.
- `<code>event.not-after</code>` - The latest end time for the event.
- `<code>event.not-before</code>` - The earliest start time for the event.
- `<code>volume-status.details-status</code>` - The status of `<code>volume-status.details-name</code>`.

- `<code>return</code>` Returns a reference to this object so that method calls can be chained together.

```
"fluentSetterMethodName": "withFilters",
"getterDocumentation": "/**\n * One or more filters.\n */<ul>
  <li><code>action.action-id</code> - The action ID associated with the event.\n  </li>
  <li><code>event.event-id</code> - The event ID.\n  </li>
  <li><code>event.event-type</code> - The event type (for <code>io-enabled</code>: <code>passed</code> | <code>failed</code>; for <code>io-performance</code>: <code>degraded</code> | <code>severely-degraded</code> | <code>stalled</code>).\n  </li>
  <li><code>event.not-after</code> - The latest end time for the event.\n  </li>
  <li><code>event.not-before</code> - The earliest start time for the event.\n  </li>
  <li><code>volume-status.details-name</code> - The cause for <code>volume-status.status</code> (for <code>io-enabled</code> | <code>io-performance</code>).\n  </li>
  <li><code>volume-status.details-status</code> - The status of <code>volume-status.details-name</code>.
```

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"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that 
 * method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",

*/
", "setterMethodName" : "setFilters", */
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
    \ti> <li> <p> <b>NOTE:</b> This method appends the values to the existing list (if any). Use \<code>@link #setFilters(java.util.Collection)</code> or \<code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values.\</p> \ul> <li> <p> <code>volume-status.details-name</code> - The cause for <code>volume-status.status</code> (for <code>io-enabled</code>).\</p> \li> <li> <p> <code>volume-status.details-status</code> - The status of <code>volume-status.details-name</code> (for <code>io-enabled</code>).\</p> \li> <li> <p> <code>volume-status.status</code> - The status of the volume (\<code>ok</code> | <code>impaired</code> | <code>warning</code> | <code>insufficient-data</code>).\</p> \\
    \ti> <li> <p> @return Returns a reference to this object so that method calls can be chained together.*/\",
    "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
}
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "One or more filters."
</ul>

"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"xmlNameSpaceUri": null
},
"MaxResults": {
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."",
"enumType": null,
"fluentSetterDocumentation": "/**The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/"
*/

"MaxResults": {
"c2jName": "MaxResults",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/"
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.\n\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : /**<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>\n\n@return The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/

"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : /**<p>The maximum number of volume results returned by
<code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

@param maxResults The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

@return Returns a reference to this object so that method calls can be chained together.
<code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>"
"
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@returns {null} Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n\n@returns {null} Returns a reference to this object so that method calls can be chained together.*",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**
 * The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

@nl
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/

setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

@nl
@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

@nl
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>

@nl
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeIds" : {
  "c2jName" : "VolumeIds",
  "c2jShape" : "VolumeIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>@param volumeIds One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumeIds",
  "getterDocumentation" : "/**<p>One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>@return One or more volume IDs.</p> <p>Default: Describes all your volumes.</p>*/",
  "getterMethodName" : "getVolumeIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VolumeId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Member",

"setterDocumentation" : "/**
@param member */",

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs.</p><p>Default: Describes all your volumes.</p><p>@param volumeIds One or more volume IDs.</p><p>Default: Describes all your volumes.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs.</p><p>Default: Describes all your volumes.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {
@link #setVolumeIds(java.util.Collection)} or {
@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p><p>@param volumeIds One or more volume IDs.</p><p>Default: Describes all your volumes.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "volumeIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more volume IDs.</p><p>Default: Describes all your volumes.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumeStatusRequest",
"unmarshaller" : null,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeStatusSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeStatusSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VolumeStatusItem",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VolumeStatusItem",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "VolumeStatusItem",
  "variableName": "member",
  "variableType": "VolumeStatusItem",
  "documentation": "",
  "simpleType": "VolumeStatusItem",
  "variableSetterType": "VolumeStatusItem"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VolumeStatusItem",
  "variableName": "member",
  "variableType": "VolumeStatusItem",
  "documentation": "",
  "simpleType": "VolumeStatusItem",
  "variableSetterType": "VolumeStatusItem"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VolumeStatusItem",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VolumeStatusItem",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
"templateType": "java.util.List<VolumeStatusItem>"
},
"map": false,
"mapModel": null,
"name": "VolumeStatuses",
"setterDocumentation": "/**<p>A list of volumes.</p>
@param volumeStatuses A list of volumes.*/",
"setterMethodName": "setVolumeStatuses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
  "variableName": "volumeStatuses",
  "variableType": "java.util.List<VolumeStatusItem>",
  "documentation": "",
  "simpleType": "List<VolumeStatusItem>";"}
"variableSetterType" : "java.util.Collection<VolumeStatusItem>" ,
},
"simple" : false,
"varargSetterDocumentation" : "/**
A list of volumes.
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolume_statuses(java.util.Collection)} or {@link
#withVolumeStatuses(java.util.Collection)} if you want to override the existing values.
*/
@param volumeStatuses A list of volumes.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
"variableName" : "volumeStatuses",
"variableType" : "java.util.List<VolumeStatusItem>",
"documentation" : "<p>A list of volumes.</p>
"simple" : "List<VolumeStatusItem>",
"variableSetterType" : "java.util.Collection<VolumeStatusItem>",
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**
The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>
@param nextToken The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/"}
}
the next page of results. This value is <code>null</code> when there are no more results to return.

@returns a reference to this object so that method calls can be chained together.* /

"getterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

@returns The token to use to retrieve the next
page of results. This value is <code>null</code> when there are no more results to return.* /

"setterDocumentation" : "The token to use to retrieve the next page of results. This value is
<code>null</code> when there are no more results to return.* /

"setterMethodName" : "setNextToken",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeStatuses" : {
    "c2jName" : "VolumeStatuses",
    "c2jShape" : "VolumeStatusList",
    "deprecated" : false,
    "documentation" : "A list of volumes.",
    "enumType" : null,
    "fluentSetterDocumentation" : "A list of volumes.\n\n@returns A reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "withVolumeStatuses",
    "getterDocumentation" : "A list of volumes.\n\n@returns A list of volumes.\n\n@return Returns a reference to this object so that method calls can be chained together.",
    "getterMethodName" : "getVolumeStatuses",
    "getterModel" : {
        "returnType" : "java.util.List<VolumeStatusItem>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VolumeStatusSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "volumeStatusSet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "format" : null,
            "name" : "VolumeStatusItem",
            "nameExpression" : null
        }
    }
}
"c2jName" : "member",
"c2jShape" : "VolumeStatusItem",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodDefinition" : "getMember",
"getterModel" : {
 "returnType" : "VolumeStatusItem",
 "documentation" : null
}


"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "VolumeStatusItem",
 "variableName" : "member",
 "variableType" : "VolumeStatusItem",
 "documentation" : "",
 "simpleType" : "VolumeStatusItem",
 "variableSetterType" : "VolumeStatusItem"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "VolumeStatusItem",
    "variableName" : "member",
    "variableType" : "VolumeStatusItem",
    "documentation" : "",
    "simpleType" : "VolumeStatusItem",
    "variableSetterType" : "VolumeStatusItem"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "VolumeStatusItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
"templateType" : "java.util.List<VolumeStatusItem>",
"map" : false,
"mapModel" : null,
"name" : "VolumeStatuses",
"setterDocumentation" : "/**<p>A list of volumes.</p><p>@param volumeStatuses A list of volumes.</p>*/",
"setterMethodName" : "setVolumeStatuses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusItem>",
    "variableName" : "volumeStatuses",
    "variableType" : "java.util.List<VolumeStatusItem>",
    "documentation" : "",
    "simpleType" : "List<VolumeStatusItem>",
    "variableSetterType" : "java.util.Collection<VolumeStatusItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of volumes.</p><p>Note: This method appends the values to the existing list (if any). Use {@link #setVolumeStatuses(java.util.Collection)} or {@link #withVolumeStatuses(java.util.Collection)} if you want to override the existing values.</p><p>@param volumeStatuses A list of volumes.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "volumeStatuses",
    "variableType" : "java.util.List<VolumeStatusItem>",
    "documentation" : "<p>A list of volumes.</p>",
    "simpleType" : "List<VolumeStatusItem>",
    "variableSetterType" : "java.util.Collection<VolumeStatusItem>"
"xmlNameSpaceUri" : null
]
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumeStatusResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeVolumeStatusResult",
"variableName" : "describeVolumeStatusResult",
"variableType" : "DescribeVolumeStatusResult",
"documentation" : null,
"simpleType" : "DescribeVolumeStatusResult",
"variableSetterType" : "DescribeVolumeStatusResult"
},
"wrapper" : false
],
"DescribeVolumesModificationsRequest" : {
"c2jName" : "DescribeVolumesModificationsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeVolumesModifications",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "VolumeIds",
}
"c2jShape": "VolumeIdStringList",
"deprecated": false,
"documentation": "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>One or more volume IDs for which in-progress modifications will be described.</p>
@\param volumeIds One or more volume IDs for which in-progress modifications will be described.
@\return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/** <p>One or more volume IDs for which in-progress modifications will be described.</p>
@\return One or more volume IDs for which in-progress modifications will be described.*/",
"getterMethodName": "getVolumeIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VolumeId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VolumeId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/** @\param member @\return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/** @\return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/** @\param member @\return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/** @\return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
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"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/** @\param member @\return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/** @\return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"idempotencyToken": false,
"documentation" : null,
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayLoad" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "VolumeId",
"memberType" : "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.</p>*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "volumeIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.</p>*/
\nNOTE:\nThis method appends the values to the existing list (if any). Use { @link #setVolumeIds(java.util.Collection)} or { @link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p>
\n@var arg volumeIds One or more volume IDs for which in-progress modifications will be described.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "volumeIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
}
,"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
null,
"fluentSetterDocumentation": "<p>One or more filters. Supported filters: \code{volume-id}\code{,},”
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. \n</p>
@param filters One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. \n@return Returns a reference to this object so that method calls can be chained

"fluentSetterMethodName": "withFilters",
"getterDocumentation": "<p>One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. \n</p>
@return One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.*/",
"getterMethodName": "getFilters",
"getterModel": {
  "returnType": "java.util.List<Filter>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Filter",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "<p>One or more filters. Supported filters: <code>volume-id</code>,
@param filters One or more filters. Supported filters: <code>volume-id</code>,
<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation": "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
* @return */",
"getterMethodName": "getMember",
"getterModel":{
  "returnType": "Filter",
  "documentation": null
},
"http":{
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
* @param member */",
"setterMethodName": "setMember",
"setterModel":{
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together. */",
"variable":{
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": ""
"simpleType": "Filter",
"variableSetterType": "Filter"
],
"xmlNameSpaceUri": null
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"memberLocationName": "Filter",
"memberType": "Filter",
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"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
],
"map": false,
"mapModel": null,
"name": "Filters",
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName": "setFilters",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "",
  "simpleType": "List<Filter>",
  "variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection)} or { @link #withFilters(java.util.Collection)} if you want to override the existing values. </p>\n\n@param filters One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.\n\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The <code>nextToken</code> value returned by a previous paginated request.
"enumType" : null,
"fluentSetterDocumentation" : "The <code>nextToken</code> value returned by a previous paginated request.
\*\*\"param nextToken The <code>nextToken</code> value returned by a previous paginated request.\n\*\*\"return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "The <code>nextToken</code> value returned by a previous paginated request.
\*\*\"Param nextToken The <code>nextToken</code> value returned by a previous paginated request.\n\*\*\"return The <code>nextToken</code> value returned by a previous paginated request.\*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.</p>
@param nextToken The <code>nextToken</code> value returned by a previous paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The <code>nextToken</code> value returned by a previous paginated request.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"fluentSetterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>
@return The maximum number of results (up to a limit of 500) to be returned in a paginated request.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>*/\n@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request.</p>\n@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.\n"",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"Filters" : {
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"enumType" : null,
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
@return One or more filters. Supported filters: <code>volume-id</code>, <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List"
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Filter",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * member
   * \n   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * \n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**\n   * member
   * @return Returns a reference to this object so that method calls can be chained together.*/"}
method calls can be chained together.*="/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
}
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "**<p>One or more filters. Supported filters: <code>volume-id</code>,<code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>, <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>. <p>\n@param filters One or more filters. Supported filters: <code>volume-id</code>,
  <code>modification-state</code>, <code>target-size</code>, <code>target-iops</code>, <code>target-volume-type</code>,
  <code>original-size</code>, <code>original-iops</code>, <code>original-volume-type</code>, <code>start-time</code>.<p>
\n**NOTE:** This method appends the values to the existing list (if any).
Use { @link setFilters(java.util.Collection) } or { @link withFilters(java.util.Collection) } if you want to override
"statusCode" : false,
"unmarshallLocationName" : "MaxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a
paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of results (up to a limit of 500) to be returned in a
paginated request.</p>
@param maxResults The maximum number of results (up to a limit of 500) to be returned in a paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of results (up to a limit of 500) to be returned in a paginated request.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The <code>nextToken</code> value returned by a previous paginated request.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated
request.</p>
@param nextToken The <code>nextToken</code> value returned by a previous paginated
request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "*/\r
The <code>nextToken</code> value returned by a previous paginated
request.</p>

@<code>return</code> The <code>nextToken</code> value returned by a previous paginated request.*="/"

"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.

@<code>param</code> nextToken The <code>nextToken</code> value returned by a previous paginated request.*="/"

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>nextToken</code> value returned by a previous paginated request.

@<code>param</code> nextToken The <code>nextToken</code> value returned by a previous paginated request.

@<code>return</code> Returns a reference to this object so that method calls can be chained together.*="/"

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The <code>nextToken</code> value returned by a previous paginated request.</p>"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeIds" : {
"c2jName" : "VolumeIds",
"c2jShape" : "VolumeIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.\n</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>One or more volume IDs for which in-progress modifications will be described.\n@param volumeIds One or more volume IDs for which in-progress modifications will be described.\n@return Returns a reference to this object so that method calls can be chained together.*/\n",
"fluentSetterMethodName" : "withVolumeIds",
"getterDocumentation" : "/**\n<p>One or more volume IDs for which in-progress modifications will be described.\n@return One or more volume IDs for which in-progress modifications will be described.\n*/",
"getterMethodName" : "getVolumeIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : "",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : ""},
"variableName" : "member",
"variableType" : "String",
"documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "VolumeIds",
"setterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>
@param volumeIds One or more volume IDs for which in-progress modifications will be described.</p>*/",
"setterMethod_Name" : "setVolumeIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volume IDs for which in-progress modifications will be described.</p>

NOTE: This method appends the values to the existing list (if any). Use { @link #setVolumeIds(java.util.Collection) } or { @link #withVolumeIds(java.util.Collection) } if you want to override the existing values.</p>*/
@param volumeIds One or more volume IDs for which in-progress modifications will be described.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"variable" : {
  "variableDeclarationType" : "DescribeVolumesModificationsRequest",
  "variableName" : "describeVolumesModificationsRequest",
  "variableType" : "DescribeVolumesModificationsRequest",
  "documentation" : null,
  "simpleType" : "DescribeVolumesModificationsRequest",
  "variableSetterType" : "DescribeVolumesModificationsRequest"
},
"wrapper" : false
},
"DescribeVolumesModificationsResult" : {
  "c2jName" : "DescribeVolumesModificationsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "VolumesModifications",
      "c2jShape" : "VolumeModificationList",
      "deprecated" : false,
      "documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>\n@param volumesModifications A list of returned <a>VolumeModification</a> objects.</p>\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
      "fluentSetterMethodName" : "withVolumesModifications",
      "getterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>\n@return A list of returned <a>VolumeModification</a> objects.</p>*/",
      "getterMethodName" : "getVolumesModifications",
      "getterModel" : {
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VolumeModification",
"variableName" : "member",
"variableType" : "VolumeModification",
"documentation" : "",
"simpleType" : "VolumeModification",
"variableSetterType" : "VolumeModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VolumeModification",
"variableName" : "member",
"variableType" : "VolumeModification",
"documentation" : "",
"simpleType" : "VolumeModification",
"variableSetterType" : "VolumeModification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeModification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeModification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
"templateType" : "java.util.List<VolumeModification>"
},
"map" : false,
"mapModel" : null,
"name" : "VolumesModifications",
"setterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.\n@param volumesModifications A list of returned <a>VolumeModification</a> objects.*/",
"setterMethodName" : "setVolumesModifications",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
  "variableName" : "volumesModifications",
  "variableType" : "java.util.List<VolumeModification>",
  "documentation" : "",
  "simpleType" : "List<VolumeModification>",
  "variableSetterType" : "java.util.Collection<VolumeModification>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \[@link setVolumesModifications(java.util.Collection)\] or \[@link withVolumesModifications(java.util.Collection)\] if you want to override the existing values.\n\n@param volumesModifications A list of returned <a>VolumeModification</a> objects.\n@return Returns a reference to this object so that method calls can be chained together.*/",

  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
    "variableName" : "volumesModifications",
    "variableType" : "java.util.List<VolumeModification>",
    "documentation" : "<p>A list of returned <a>VolumeModification</a> objects.\n    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \[@link setVolumesModifications(java.util.Collection)\] or \[@link withVolumesModifications(java.util.Collection)\] if you want to override the existing values.\n    <p@param volumesModifications A list of returned <a>VolumeModification</a> objects.\n    <p@return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Token for pagination, null if there are no more results \</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results \n@param nextToken Token for pagination, null if there are no more results\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>Token for pagination, null if there are no more results \n@return Token for pagination, null if there are no more results\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  },
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@param
nextToken Token for pagination, null if there are no more results*/",

"setterMethodName" : "setNextToken",

"setterModel" : {

  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Token for pagination, null if there are no more results </p>
@param
nextToken Token for pagination, null if there are no more results
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Token for pagination, null if there are no more results </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}

"membersAsMap" : {

  "NextToken" : {

    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "Token for pagination, null if there are no more results ",&", "enumType" : null, "fluentSetterDocumentation" : "Token for pagination, null if there are no more results ",& @param
nextToken Token for pagination, null if there are no more results@return Returns a reference to this object so that method calls can be chained together.*/", "fluentSetterMethodName" : "withNextToken", "getterDocumentation" : "Token for pagination, null if there are no more results ",& @return Token for pagination, null if there are no more results*/", "getterMethodName" : "getNextToken", "getterModel" : { "returnType" : "String", "documentation" : null }, "http" : { "additionalMarshallingPath" : null, "additionalUnmarshallingPath" : null, "flattened" : false, "greedy" : false, "header" : false, "isPayload" : false, "isStreaming" : false, "location" : null, "marshallLocationName" : "NextToken", "queryString" : false, "statusCode" : false, "unmarshallLocationName" : "nextToken", "uri" : false }, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "NextToken", "setterDocumentation" : "Token for pagination, null if there are no more results ",& @param
nextToken Token for pagination, null if there are no more results*/", "setterMethodName" : "setNextToken", "setterModel" : { "variableDeclarationType" : "String", "variableName" : "nextToken", "variableType" : "String", "documentation" : "", "simpleType" : "String", "variableSetterType" : "String" }, "simple" : true, "varargSetterDocumentation" : "Token for pagination, null if there are no more results ",& @param
nextToken Token for pagination, null if there are no more results@return Returns a reference to this object so that
method calls can be chained together.*"/
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>Token for pagination, null if there are no more results </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null,
},
"VolumesModifications" : {
  "c2jName" : "VolumesModifications",
  "c2jShape" : "VolumeModificationList",
  "deprecated" : false,
  "documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
  @param volumesModifications A list of returned <a>VolumeModification</a> objects.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumesModifications",
  "getterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
  @return A list of returned <a>VolumeModification</a> objects.<br/>@return A list of returned <a>VolumeModification</a> objects.*/",
  "getterMethodName" : "getVolumesModifications",
  "getterModel" : {
    "returnType" : "java.util.List<VolumeModification>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeModificationSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeModificationSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List"}
"listMemberModel": {
    "c2jName": "member",
    "c2jShape": "VolumeModification",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
    @return */",
    "getterMethodName": "getMember",
    "getterModel": {
        "returnType": "VolumeModification",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "Item",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "item",
        "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
    "setterMethodName": "setMember",
    "setterModel": {
        "variableDeclarationType": "VolumeModification",
        "variableName": "member",
        "variableType": "VolumeModification",
        "documentation": "",
        "simpleType": "VolumeModification",
        "variableSetterType": "VolumeModification"
    },
    "simple": false,
    "varargSetterDocumentation": "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/"}
method calls can be chained together.*"*/

  
   "variable" : {
      "variableDeclarationType" : "VolumeModification",
      "variableName" : "member",
      "variableType" : "VolumeModification",
      "documentation" : "",
      "simpleType" : "VolumeModification",
      "variableSetterType" : "VolumeModification"
   },
  "xmlNameSpaceUri" : null
 },
 "memberLocationName" : "item",
 "memberType" : "VolumeModification",
 "map" : false,
 "marshallNonAutoConstructedEmptyLists" : false,
 "memberAdditionalMarshallingPath" : null,
 "memberAdditionalUnmarshallingPath" : null,
 "sendEmptyQueryString" : false,
 "simple" : false,
 "simpleType" : "VolumeModification",
 "templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
 "templateType" : "java.util.List<VolumeModification>"
},
 "map" : false,
 "mapModel" : null,
 "name" : "VolumesModifications",
 "setterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
@param
volumesModifications A list of returned <a>VolumeModification</a> objects.*/

  
   "setterMethodName" : "setVolumesModifications",
   "setterModel" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
      "variableName" : "volumesModifications",
      "variableType" : "java.util.List<VolumeModification>",
      "documentation" : "",
      "simpleType" : "List<VolumeModification>",
      "variableSetterType" : "java.util.Collection<VolumeModification>"
   },
   "simple" : false,
   "varargSetterDocumentation" : "/**<p>A list of returned <a>VolumeModification</a> objects.</p>
NOTE:<b>/p> This method appends the values to the existing list (if any). Use { @link #setVolumesModifications(java.util.Collection) } or { @link #withVolumesModifications(java.util.Collection) } if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*"*/

  
   "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeModification>",
      "variableName" : "volumesModifications",
      "variableType" : "java.util.List<VolumeModification>"}
"documentation": "A list of returned <a>VolumeModification</a> objects.",
"simpleType": "List<VolumeModification>",
"variableSetterType": "java.util.Collection<VolumeModification>"
},
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"requestSignerClassFqcn": null,
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  "deprecated": false,
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    "enumType" : null,
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    @return Returns a reference to this object so that method calls can be chained together."*/",
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    "getterDocumentation" : "/**<p>One or more volume IDs.</p>
    @return One or more volume IDs.*/",
    "getterMethodName" : "getVolumeIds",
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        "statusCode" : false,
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            "c2jShape" : "String",
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            "documentation" : "",
            "enumType" : "",
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            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
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"setterModel": {
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  "documentation": "",
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  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more volume IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumeIds(java.util.Collection)} or {@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p>
@param volumeIds One or more volume IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "One or more volume IDs.",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null
},

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"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>). </p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> 
</ul> - The time stamp when the attachment initiated.
- Whether the volume is deleted on instance termination.
- The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
The attachment state (attaching | attached | detaching | detached).<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$availability-zone$\langle /code \rangle$ - The Availability Zone in which the volume was created.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$create-time$\langle /code \rangle$ - The time stamp when the volume was created.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$encrypted$\langle /code \rangle$ - The encryption status of the volume.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$size$\langle /code \rangle$ - The size of the volume, in GiB.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$snapshot-id$\langle /code \rangle$ - The snapshot from which the volume was created.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$status$\langle /code \rangle$ - The status of the volume (creating | available | in-use | deleting | detached).<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$tag$\langle /code \rangle$: $\langle i \rangle$key$\langle /i \rangle$: $\langle i \rangle$value$\langle /i \rangle$ - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify $\langle code \rangle$tag:Purpose$\langle /code \rangle$ for the filter name and $\langle code \rangle$X$\langle /code \rangle$ for the filter value.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$tag-key$\langle /code \rangle$ - The key of a tag assigned to the resource. This filter is independent of the $\langle code \rangle$tag-value$\langle /code \rangle$ filter. For example, if you use both the filter $\langle code \rangle$tag-key=Purpose$\langle /code \rangle$ and the filter $\langle code \rangle$tag-value=X$\langle /code \rangle$, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the $\langle code \rangle$tag$\langle /code \rangle$: $\langle i \rangle$key$\langle /i \rangle$: $\langle i \rangle$value$\langle /i \rangle$ filter.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$tag-value$\langle /code \rangle$ - The value of a tag assigned to the resource. This filter is independent of the $\langle code \rangle$tag-key$\langle /code \rangle$ filter.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$volume-id$\langle /code \rangle$ - The volume ID.<p> $\langle li \rangle$ $\langle p \rangle$ $\langle code \rangle$volume-type$\langle /code \rangle$ - The Amazon EBS volume type. This can be $\langle code \rangle$gp2$\langle /code \rangle$ for General Purpose SSD, $\langle code \rangle$io1$\langle /code \rangle$ for Provisioned IOPS SSD, $\langle code \rangle$st1$\langle /code \rangle$ for Throughput Optimized HDD, $\langle code \rangle$sc1$\langle /code \rangle$ for Cold HDD, or $\langle code \rangle$standard$\langle /code \rangle$ for Magnetic volumes.
filters One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (can be <code>attaching</code>, <code>attached</code>, <code>detaching</code>, <code>detached</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li> </ul> <!-- @return Returns a reference to this object so that method calls can be chained together. -->
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 
<code>volume-id</code> - The volume ID. 
<code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>st1</code> for Provisioned IOPS SSD, <code>standard</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

One or more filters.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. 
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

<code>attachment.attach-time</code> - The time stamp when the attachment initiated.
<code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.
<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
<code>attachment.instance-id</code> - The ID of the instance the volume is attached to.
<code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). 
<code>availability-zone</code> - The Availability Zone in which the volume was created.
<code>create-time</code> - The time stamp when the volume was created.
<code>encrypted</code> - The encryption status of the volume.
<code>size</code> - The size of the volume, in GiB.
<code>snapshot-id</code> - The snapshot from which the volume was created.
<code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).
<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>size</code> for the filter value. 
<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
<code>attachment.instance-id</code> - The ID of the instance the volume is attached to.
<code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). 
<code>availability-zone</code> - The Availability Zone in which the volume was created.
<code>create-time</code> - The time stamp when the volume was created.
<code>encrypted</code> - The encryption status of the volume.
<code>size</code> - The size of the volume, in GiB.
<code>snapshot-id</code> - The snapshot from which the volume was created.
<code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>size</code> for the filter value. 
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter. 

If you use both the filter "tag-key=Name" and the filter "tag-value=First", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value First (regardless of what the tag's key is). If you want to list only resources where Name is First, see the <code>tag:tag=value</code> filter. 

If you use both the filter "tag-key=Name" and the filter "tag-value=First", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value First (regardless of what the tag's key is). If you want to list only resources where Name is First, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
<code>attachment.instance-id</code> - The ID of the instance the volume is attached to.
<code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). 
<code>availability-zone</code> - The Availability Zone in which the volume was created.
<code>create-time</code> - The time stamp when the volume was created.
<code>encrypted</code> - The encryption status of the volume.
<code>size</code> - The size of the volume, in GiB.
<code>snapshot-id</code> - The snapshot from which the volume was created.
<code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>size</code> for the filter value. 
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter. 

If you use both the filter "tag-key=Name" and the filter "tag-value=First", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value First (regardless of what the tag's key is). If you want to list only resources where Name is First, see the <code>tag:tag=value</code> filter. 

If you use both the filter "tag-key=Name" and the filter "tag-value=First", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value First (regardless of what the tag's key is). If you want to list only resources where Name is First, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter.
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
<code>attachment.instance-id</code> - The ID of the instance the volume is attached to.
<code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). 
<code>availability-zone</code> - The Availability Zone in which the volume was created.
<code>create-time</code> - The time stamp when the volume was created.
<code>encrypted</code> - The encryption status of the volume.
<code>size</code> - The size of the volume, in GiB.
<code>snapshot-id</code> - The snapshot from which the volume was created.
<code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>size</code> for the filter value. 
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter.

This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag=value</code> filter.
"uri" : false
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
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      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
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      "uri" : false
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    "setterModel" : {
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      "variableName" : "member",
      "documentation" : ""
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**\nOne or more filters.\n@code\nattachment.attach-time\endcode\n- The time stamp when the attachment initiated.\n@code\nattachment.delete-on-termination\endcode\n- Whether the volume is deleted on instance termination.\n@code\nmember\endcode\n- The device name that is exposed to the instance (for example, \n@code\n/dev/sda1\endcode).\n@code\nattachment.instance-id\endcode\n- The ID of the instance the volume is attached to.\n@code\nattachment.status\endcode\n- The attachment state\n\n@code\nattaching\endcode | @code\nattached\endcode | @code\ndetaching\endcode | @code\ndetached\endcode).\n@code\navailability-zone\endcode\n- The Availability Zone in which the volume was created.\n@code\ncreate-time\endcode\n- The time stamp when the volume was created.\n@code\nencrypted\endcode\n- The encryption status of the volume.\n@code\nsnapshot-id\endcode\n- The snapshot from which the volume was created.\n@code\nstatus\endcode\n- The status of the volume (creating | available | in-use | deleting | deleted | error).\n\nSpecify the key of the tag in the filter name and the value of the tag in
the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and<br /> <code>X</code> for the filter value. </p> <li> <code>tag:tag-value</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </li> <li> <code>tag:volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. </li> <li> <code>attachment.attach-time</code> - The time stamp when the attachment initiated. </li> <li> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination. </li> <li> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>). </li> <li> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to. </li> <li> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </li> <li> <code>availability-zone</code> - The Availability Zone in which the volume was created. </li> <li> <code>create-time</code> - The time stamp when the volume was created. </li> <li> <code>encrypted</code> - The encryption status of the volume. </li> <li> <code>size</code> - The size of the volume, in GiB. </li> <li> <code>snapshot-id</code> - The snapshot from which the volume was created. </li> <li> <code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error). </li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:tag-Purpose</code> for the filter name and <code>X</code> for the filter value. </li>
termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> </li> <li> <p> <code>tag</code>:<code>key</code>=<code>value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>byte</code>:<code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li> </ul>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>

```java
@Nullable private @FirstNonNull FirstNonNullFilters filters;
```

 convenience constructor.

```java
public Filters(String name, String value)
```

This method creates a filter with the given name and value.

```
// Example usage.
Filters filters = new Filters("tag:Purpose", "Production");
```

For example, this creates a filter named "tag:Purpose" with the value "Production".

```java
public Filters(String name, String value)
```

This method creates a filter with the given name and value.

```
// Example usage.
Filters filters = new Filters("tag:Purpose", "Production");
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For example, this creates a filter named "tag:Purpose" with the value "Production".

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// Example usage.
Filters filters = new Filters("tag:Purpose", "Production");
```
<code>volume-id</code> - The volume ID.

<code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

<code>attachment.attach-time</code> - The time stamp when the attachment initiated.

<code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.

<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).

<code>attachment.instance-id</code> - The ID of the instance the volume is attached to.

<code>attachment.status</code> - The attachment state (attaching | attaching | detached | detached).

<code>availability-zone</code> - The Availability Zone in which the volume was created.

<code>create-time</code> - The time stamp when the volume was created.

<code>encrypted</code> - The encryption status of the volume.

<code>size</code> - The size of the volume, in GiB.

<code>snapshot-id</code> - The snapshot from which the volume was created.

<code>status</code> - The status of the volume (creating | available | in-use | deleting | deleted | error).

<code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. If you want to list only resources where Purpose is X, see the <code>tag-value</code>:<i>value</i> filter. For example, if you use both the filter "tag:Purpose=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>:<i>value</i> filter.

<code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is).

<code>volume-id</code> - The volume ID.

<code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.

<code>attachment.attach-time</code> - The time stamp when the attachment initiated.

<code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.

<code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
"fluentSetterDocumentation": "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNextToken",
"getterDocumentation": "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>
@return The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",
"getterMethodName": "getNextToken",
"getterModel": {
   "returnType": "String",
   "documentation": null
},
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocationName": "NextToken",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "nextToken",
   "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NextToken",
"setterDocumentation": "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/";
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"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>\n\n@ return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.<p>

"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.<p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."/";
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of volume results returned by
<code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.</p>

@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.</p>

@return Returns a reference to this object so that method calls can be chained together.
*/",

"fluentSetterMethodName" : "withMaxResults",

"getterDocumentation" : "/**<p>The maximum number of volume results returned by
<code>DescribeVolumes</code> in paginated output. When this parameter is used,
<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.</p>

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<code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending
another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can
be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this
parameter and the volume IDs parameter in the same request.

*/",

"getterMethodName" : "getMaxResults",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>/**\n@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.</p>/**\n@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned.

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If this parameter is not used, then `<code>DescribeVolumes</code>` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```
/**
 * @return Returns a reference to this object so that method calls can be chained together.* /
 *
 * variable: {
 * variableDeclarationType: "Integer",
 * variableName: "maxResults",
 * variableType: "Integer",
 * documentation": "The maximum number of volume results returned by `<code>DescribeVolumes</code>` in paginated output. When this parameter is used, `<code>DescribeVolumes</code>` only returns `<code>MaxResults</code>` results in a single page along with a `<code>NextToken</code>` response element. The remaining results of the initial request can be seen by sending another `<code>DescribeVolumes</code>` request with the returned `<code>NextToken</code>` value. This value can be between 5 and 500; if `<code>MaxResults</code>` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then `<code>DescribeVolumes</code>` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."
 */
```

```
"variable": {
    "variableDeclarationType": "Integer",
    "variableName": "maxResults",
    "variableType": "Integer",
    "documentation": "The maximum number of volume results returned by `<code>DescribeVolumes</code>` in paginated output. When this parameter is used, `<code>DescribeVolumes</code>` only returns `<code>MaxResults</code>` results in a single page along with a `<code>NextToken</code>` response element. The remaining results of the initial request can be seen by sending another `<code>DescribeVolumes</code>` request with the returned `<code>NextToken</code>` value. This value can be between 5 and 500; if `<code>MaxResults</code>` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then `<code>DescribeVolumes</code>` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],

"membersAsMap": {
    "Filters": {
        "c2jName": "Filters",
        "c2jShape": "FilterList",
        "deprecated": false,
        "documentation": "One or more filters.

        - `<code>attachment.attach-time</code>` - The time stamp when the attachment initiated.
        - `<code>attachment.delete-on-termination</code>` - Whether the volume is deleted on instance termination.
        - `<code>attachment.device</code>` - The device name that is exposed to the instance (for example, `<code>/dev/sdal</code>`).
        - `<code>attachment.instance-id</code>` - The ID of the instance the volume is attached to.
        - `<code>attachment.status</code>` - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).
        - `<code>availability-zone</code>` - The Availability Zone in which the volume was created.
        - `<code>create-time</code>` - The time stamp when the volume was created.
        - `<code>encrypted</code>` - The encryption status of the volume.
        - `<code>size</code>` - The size of the volume, in GiB.
        - `<code>snapshot-id</code>` - The snapshot from which the volume was created.
        - `<code>status</code>` - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>). The tag key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Name, specify `<code>tag:Purpose</code>` for the filter name and `<code>Name</code>` for the filter value.
        - `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter "tag-key=Name" and the filter "tag-value=X", you get any resources assigned both the tag key Name and the tag value X (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.
        - `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.
        - `<code>volume-id</code>` - The volume ID.
        - `<code>volume-type</code>` - The Amazon EBS
```
volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.

"enumType": null,

"fluentSetterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, `<code>/dev/sda1</code>`).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (</p> <code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume (</p> <code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.</p> </li> <li> <p> <code>AvailabilityZone</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>CreateTime</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>Size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>SnapshotId</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>Status</code> - The status of the volume (</p> <code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> </li> <li> <p> <code> Key</i>=<i>Value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> </li> <li> <p> <code> TagKey</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key

```java
enumType
```
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter. This filter is independent of the `<code>tag-key</code>` filter. This filter is independent of the method calls can be chained together.*/",

```
getterMethodName" : "getFilters",
"getterModel" : {
    "returnType" : "java.util.List<Filter>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "Filter",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@method_returns Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName" : "getMember",
```
"getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> 
<li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> 
<li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> 
<li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> 
<li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> 
<li> <p> <code>attachment.status</code> - The attachment state</p> </li> 
<li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> 
<li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> 
<li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> 
<li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> 
<li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> 
<li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>deleted</code> | <code>error</code>).</p> </li> 
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key="Purpose"</code> and the filter <code>tag-value="X"</code>, you get any resources assigned both the tag key and tag value combination of the filter and the tag in the filter. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag-value=X</code> for the filter value.</p> </li> 
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter <code>tag-key="Purpose"</code> and the filter <code>tag-value="X"</code>, you get any resources assigned both the tag key and tag value combination of the filter and the tag in the filter. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag-value=X</code> for the filter value.</p> </li> 
<li> <p> <code>volume-id</code> - The volume ID.</p> </li> 
<li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li> 
</ul>
@param filters One or more filters.

"attachment.attach-time" - The time stamp when the attachment initiated.
"attachment.delete-on-termination" - Whether the volume is deleted on instance termination.
"attachment.device" - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).
"attachment.instance-id" - The ID of the instance the volume is attached to.
"attachment.status" - The attachment state
"availability-zone" - The Availability Zone in which the
volume was created.</p> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume.</p> </li> <li> <p> <code>tag</code>:<i>key</i>={i}value<i>i</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose</code> for the filter value. The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key "Purpose" (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code>:<i>key</i>={i}value<i>i</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>size</code> - The size of the volume, in GiB.</p> </li> <li> <p> <code>snapshot-id</code> - The snapshot from which the volume was created.</p> </li> <li> <p> <code>status</code> - The status of the volume.</p> </li> <li> <p> <code>tag</code>:<i>key</i>={i}value<i>i</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose</code> for the filter value. The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key "Purpose" (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list
only resources where Purpose is X, see the code:tag</code>:<i>i</i>:key</i>=<i>i</i>:value</i>/ filter.</p> </li> <li> <p> code:tag-value</p> </li> <li> <p> The value of a tag assigned to the resource. This filter is independent of the code:tag-key filter.</p> </li> <li> <p> code:volume-id</p> </li> <li> <p> The volume ID.</p> </li> <li> <p> code:volume-type</p> </li> <li> <p> The Amazon EBS volume type. This can be code:gp2</p> for General Purpose SSD, code:io1</p> for Provisioned IOPS SSD, code:st1</p> for Throughput Optimized HDD, code:sc1</p> for Cold HDD, or code:standard</p> for Magnetic volumes.</p> </li> <li> <p> NOTE:</p> </li> <li> <p> This method appends the values to the existing list (if any). Use {@link setFilters(java.util.Collection)} or {@link withFilters(java.util.Collection)} if you want to override the existing values.</p> </li> <li> <p> The time stamp when the attachment initiated.</p> </li> <li> <p> Whether the volume is deleted on instance termination.</p> </li> <li> <p> The device name that is exposed to the instance (for example, code:/dev/sda1</p>).</p> </li> <li> <p> code:attachment.instance-id</p> </li> <li> <p> The ID of the instance the volume is attached to.</p> </li> <li> <p> code:attachment.status</p> </li> <li> <p> The attachment state (code:attaching</p> | code:attached</p> | code:detaching</p> | code:detached</p>).</p> </li> <li> <p> code:availability-zone</p> </li> <li> <p> The Availability Zone in which the volume was created.</p> </li> <li> <p> code:create-time</p> </li> <li> <p> The time stamp when the volume was created.</p> </li> <li> <p> code:encrypted</p> </li> <li> <p> The encryption status of the volume.</p> </li> <li> <p> code:size</p> </li> <li> <p> The size of the volume, in GiB.</p> </li> <li> <p> code:tag</p>:<i>i</i>:key</i>=<i>i</i>:value</i>/ - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify code:tag:Purpose</code> for the filter name and code:X</code> for the filter value.</p> </li> <li> <p> code:tag-key</p> - The key of a tag assigned to the resource. This filter is independent of the code:tag-value</p> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the code:tag</code>:<i>i</i>:key</i>=<i>i</i>:value</i>/ filter.</p> </li> <li> <p> code:tag-value</p> </li> <li> <p> The value of a tag assigned to the resource. This filter is independent of the code:tag-key</p> filter.</p> </li> <li> <p> code:volume-id</p> </li> <li> <p> The volume ID.</p> </li> <li> <p> code:volume-type</p> </li> <li> <p> The Amazon EBS volume type. This can be code:gp2</p> for General Purpose SSD, code:io1</p> for Provisioned IOPS SSD, code:st1</p> for Throughput Optimized HDD, code:sc1</p> for Cold HDD, or code:standard</p> for Magnetic volumes.</p> </li> <li> <p> Returns a reference to this object so that method calls can be chained together.*"/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p> <ul> <li> code:attachment.attach-time</li> - The time stamp when the attachment initiated.</p> </ul> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> The device name that is exposed to the instance (for example, code:/dev/sda1</p>).</p> </li> <li> <p> code:attachment.instance-id</p> </li> <li> <p> The ID of the instance the volume is attached to.</p> </li> <li> <p> code:attachment.status</p> </li> <li> <p> The attachment state (code:attaching</p> | code:attached</p> | code:detaching</p> | code:detached</p>).</p> </li> <li> <p> code:availability-zone</p> </li> <li> <p> The Availability Zone in which the volume was created.</p> </li> <li> <p> code:create-time</p> </li> <li> <p> The time stamp when the volume was created.</p> </li> <li> <p> code:encrypted</p> </li> <li> <p> The encryption status of the
volume. The size of the volume, in GiB.

- The snapshot from which the volume was created.
- The status of the volume: creating, available, in-use, deleting, deleted, error.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The tag key assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
- The volume ID.
- The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```java
/**
 * The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

@return The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

*/
```

```
"getterMethodName" : "getMaxResults",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MaxResults",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : /*if */
```
<code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```
@param maxResults The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

@return Returns a reference to this object so that method calls can be chained together.
```
If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

```java
{  
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
}
```

The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

```java
nextToken
```

The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.

```java
@nextToken
```

Returns a reference to this object so that method calls can be chained together.

```java
withNextToken
```
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>\
@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>\
@param nextToken The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "simpleType" : "String",
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "simpleType" : "String",
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>The <code>NextToken</code> value returned from a previous paginated <code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeIds" : {
"c2jName" : "VolumeIds",
"c2jShape" : "VolumeIdStringList",
"deprecated" : false,
"documentation" : "&lt;p&gt;One or more volume IDs.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;One or more volume IDs.&lt;/p&gt;&lt;@param volumeIds One or more volume IDs.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
"fluentSetterMethodName" : "withVolumeIds",
"getterDocumentation" : "/**&lt;p&gt;One or more volume IDs.&lt;/p&gt;&lt;@return One or more volume IDs.*/&lt;/p&gt;",
"getterMethodName" : "getVolumeIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;@param member 
@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
"fluentSetterMethodName" : "withMember",
"getterMethodUnknown" : false,
"listUnknown" : false,
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},

"memberLocationName" : "VolumeId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},

"map" : false,
"mapModel" : null,
"name" : "VolumeIds",

"setterDocumentation" : "/**<p>One or more volume IDs.</p>
@param volumeIds One or more volume IDs.*/",
"setterMethodName" : "setVolumeIds",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more volume IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVolumeIds(java.util.Collection)} or {@link #withVolumeIds(java.util.Collection)} if you want to override the existing values.</p>
@param volumeIds One or more volume IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "volumeIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more volume IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},

"xmlNameSpaceUri" : null
}
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumesRequest",

---

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"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVolumesRequest",
  "variableName" : "describeVolumesRequest",
  "variableType" : "DescribeVolumesRequest",
  "documentation" : null,
  "simpleType" : "DescribeVolumesRequest",
  "variableSetterType" : "DescribeVolumesRequest"
},
"wrapper" : false,
"DescribeVolumesResult" : {
  "c2jName" : "DescribeVolumesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVolumes.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Volumes",
      "c2jShape" : "VolumeList",
      "deprecated" : false,
      "documentation" : "<p>Information about the volumes.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the volumes.</p>
* @param volumes Information about the volumes.
* @return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withVolumes",
      "getterDocumentation" : "/**<p>Information about the volumes.</p>
* @return Information about the volumes.*/",
      "getterMethodName" : "getVolumes",
      "getterModel" : {
        "returnType" : "java.util.List<Volume>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "name" : "Volumes",
        "operationName" : "DescribeVolumes",
        "serviceName" : "elb"
      }
    }
  ]
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Volume",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*\n   */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Volume",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Volume",
  "variableName" : "member",
  "variableType" : "Volume",
  "documentation" : "",
  "simpleType" : "Volume",
  "variableSetterType" : "Volume"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Volume",
  "variableName" : "member",
  "variableType" : "Volume",
  "documentation" : "",
  "simpleType" : "Volume",
  "variableSetterType" : "Volume"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Volume",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Volume",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"templateType" : "java.util.List<Volume>
",
"map" : false,
"mapModel" : null,
"name" : "Volumes",
"setterDocumentation" : "/**<p>Information about the volumes.</p>
@param volumes Information about the volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
  "variableName" : "volumes",
  "variableType" : "Volume",
  "documentation" : "",
  "simpleType" : "Volume",
  "variableSetterType" : "Volume"
}
**Documentation**:
The `NextToken` value to include in a future `DescribeVolumes` request. When the results of a `DescribeVolumes` request exceed `MaxResults`, this value can be used to retrieve the next page of results. This value is `null` when there are no more results to return.

**Setter Method Name**: `setNextToken`

```
/**
 * The `NextToken` value to include in a future `DescribeVolumes` request. When the results of a `DescribeVolumes` request exceed `MaxResults`, this value can be used to retrieve the next page of results. This value is `null` when there are no more results to return.
 */

public void setNextToken(String nextToken) {
    // Implementation
}
```

**Returns**: Returns a reference to this object so that method calls can be chained together.
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The <code>NextToken</code> value to include in a future
  <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code>
  request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is
  <code>null</code> when there are no more results to return.
},
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "NextToken" : {
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The <code>NextToken</code> value to include in a future
    <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code>
    request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is
    <code>null</code> when there are no more results to return.
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "The <code>NextToken</code> value to include in a future
  <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code>
  request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is
  <code>null</code> when there are no more results to return.
  Returns a reference to this object so that method calls can be chained together.
  @param nextToken The
  <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a
  <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the
  next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "The <code>NextToken</code> value to include in a future
  <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code>
  request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is
  <code>null</code> when there are no more results to return.
  @param nextToken The
  <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a
  <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the
  next page of results. This value is <code>null</code> when there are no more results to return.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>\n@param nextToken The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The <code>NextToken</code> value to include in a future <code>DescribeVolumes</code> request. When the results of a <code>DescribeVolumes</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

"
<code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.

```

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

@return Returns a reference to this object so that method calls can be chained together.

@see com.amazonaws.AmazonWebServiceResult

/**
 * Information about the volumes.
 */

public VolumeList withVolumes(Volume... volumes)

/**
 * Information about the volumes.
 */

public VolumeList getVolumes()

/**
 * Information about the volumes.
 */

public VolumeList getVolumes()

}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

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 */

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}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

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}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

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}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

@return Returns a reference to this object so that method calls can be chained together.

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 * Information about the volumes.
 */

public VolumeList getVolumes()

}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
"c2jName" : "Volumes",
"c2jShape" : "VolumeList",
"deprecated" : false,
"documentation" : "Information about the volumes.

@return Returns a reference to this object so that method calls can be chained together.

@see com.amazonaws.AmazonWebServiceResult

/**
 * Information about the volumes.
 */

public VolumeList withVolumes(Volume... volumes)

/**
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 */

public VolumeList getVolumes()

/**
 * Information about the volumes.
 */

public VolumeList getVolumes()

}));

```

"xmlNameSpaceUri" : null
},
"Volumes" : {
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"c2jShape" : "VolumeList",
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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Volume",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Volume",
"variableName" : "member",
"variableType" : "Volume",
"documentation" : "",
"simpleType" : "Volume",
"variableSetterType" : "Volume"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
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"variableName" : "member",
"variableType" : "Volume",
"documentation" : "",
"simpleType" : "Volume",
"variableSetterType" : "Volume"
}
"documentation" : "",
"simpleType" : "Volume",
"variableSetterType" : "Volume"
],
"xmlNameSpaceUri" : null
},
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"memberType" : "Volume",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Volume",
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"templateType" : "java.util.List<Volume>"
]},
"map" : false,
"mapModel" : null,
"name" : "Volumes",
"setterDocumentation" : "/**<p>Information about the volumes.</p>
@param volumes Information about the volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Volume>",
"variableName" : "volumes",
"variableType" : "java.util.List<Volume>",
"documentation" : "",
"simpleType" : "List<Volume>",
"variableSetterType" : "java.util.Collection<Volume>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the volumes.</p>
@param volumes Information about the volumes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "volumes",
"variableType" : "java.util.List<Volume>",
"documentation" : "Information about the volumes.\n@returns A reference to this object so that method calls can be chained together.*/",
"simpleType" : "List<Volume>",
"variableSetterType" : "java.util.Collection<Volume>"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVolumesResult",
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  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DescribeVolumesResult",
  "variableName" : "describeVolumesResult",
  "variableType" : "DescribeVolumesResult",
  "documentation" : null,
  "simpleType" : "DescribeVolumesResult",
  "variableSetterType" : "DescribeVolumesResult"
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"wrapper" : false
},
"DescribeVpcAttributeRequest" : {
  "c2jName" : "DescribeVpcAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpcAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "VpcId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@n@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@n@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@n@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String"}
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"<p>The ID of the VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"c2jName": "Attribute",
"c2jShape": "VpcAttributeName",
"deprecated": false,
"documentation": 
"<p>The VPC attribute.</p>",
"enumType": "VpcAttributeName",
"fluentSetterDocumentation": 
"/**<p>The VPC attribute.</p>
@param attribute The VPC attribute.
@return Returns a reference to this object so that method calls can be chained together.

@see VpcAttributeName*/",
"fluentSetterMethodName": "withAttribute",
"getterDocumentation": 
"/**<p>The VPC attribute.</p>
@return The VPC attribute.

@see VpcAttributeName*/",
"getterMethodName": "getAttribute",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Attribute",
"uri": false
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"name": "Attribute",
"setterDocumentation": 
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@param attribute The VPC attribute.

@see VpcAttributeName*/",
"setterMethodName": "setAttribute",
"setterModel": {
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"variableName": "attribute",
"variableSetterType": "String"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
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"deprecated" : false,
"documentation" : "<p>The VPC attribute.</p>",
"enumType" : "VpcAttributeName",
"fluentSetterDocumentation" : "/**\n@param attribute The VPC attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpcAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**\n@return The VPC attribute.\n@see VpcAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusMessage":false,
"unmarshallLocationName":"Attribute",
"uri":false
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"mapModel":null,
"name":"Attribute",
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@param attribute The VPC attribute.
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"setterMethodName":"setAttribute",
"setterModel":{
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"variableName":"attribute",
"variableType":"String",
"documentation":"
"simpleType":"String",
"variableSetterType":"String"}
},
"simple":true,
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@param attribute The VPC attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcAttributeName*/",
"variable":{
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"variableName":"attribute",
"variableType":"String",
"documentation":<p>The VPC attribute.</p>
"simpleType":"String",
"variableSetterType":"String"},
"xmlNameSpaceUri":null
},
"VpcId":{
"c2jName":"VpcId",
"c2jShape":"String",
"deprecated":false,
"documentation":"<p>The ID of the VPC.</p>
"simpleType":"String",
"variableSetterType":"String"}
},
"xmlNameSpaceUri":null
},
"VpcId":{
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"c2jShape":"String",
"deprecated":false,
"documentation":"<p>The ID of the VPC.</p>
"simpleType":null,
"fluentSetterDocumentation":"/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcId*/",
"fluentSetterMethodName":"withVpcId",
"getterDocumentation":"/**<p>The ID of the VPC.</p>
@return The ID of the VPC.
@see VpcId*/",
"getMethodName":"getVpcId",
"getterModel":{
"returnType":"String"}
"requestSignerClassFqcn" : null,
"required" : [ "VpcId", "Attribute" ],
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"unmarshaller" : null,
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  "variableName" : "describeVpcAttributeRequest",
  "variableType" : "DescribeVpcAttributeRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcAttributeRequest",
  "variableSetterType" : "DescribeVpcAttributeRequest"
},
"wrapper" : false,
"DescribeVpcAttributeResult" : {
  "c2jName" : "DescribeVpcAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\@param vpcId The ID of the VPC.</p>\n\@return
Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
\@return The ID of the VPC.</p>\n\@return
Returns a reference to this object so that method calls can be chained together.*/",
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    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.*\*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EnableDnsSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is\n<code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP\naddresses; otherwise, it does not.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p><p>\n@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.\n@returns Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/",
"getterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p><p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEnableDnsSupport",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : "Value",
 "additionalUnmarshallingPath" : "value",
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "EnableDnsSupport",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "enableDnsSupport",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**
<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p><p>\n@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.\n@returns Returns a reference to this object so that method calls can be chained together.*/
",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
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 "variableName" : "enableDnsSupport"
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

@varargSetterDocumentation Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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    "variableName" : "enableDnsSupport",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

    @variableDocumentation Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

    @param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.

    @return Returns a reference to this object so that method calls can be chained together.*/",

    "xmlNameSpaceUri" : null
},
"c2jName" : "EnableDnsSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @documentation Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @return Returns a reference to this object so that method calls can be chained together.*/",

    "fluentSetterDocumentation" : "/**
Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @fluentSetterDocumentation Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @return Returns a reference to this object so that method calls can be chained together.*/",

    "fluentSetterMethodName" : "withEnableDnsHostnames",
    "getterDocumentation" : "/**
Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @getterDocumentation Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.

    @return Returns a reference to this object so that method calls can be chained together.*/",

    "getterMethodName" : "getEnableDnsHostnames",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : "Value",
        "additionalUnmarshallingPath" : "value",
        "httpMethod" : "PUT",
        "operationsId" : "EnableDnsHostnames",
        "requestMarshallingContext" : {
            "responseLocation" : "Body",
            "serviceRequestName" : "EnableDnsHostnames",
            "serviceRequestScopes" : [
                "default",
                "vpc"
            ],
            "uriTemplatePath" : "vpc/enableDnsHostnames",
            "uriTemplateQueryString" : null
        }
    }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsHostnames",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enableDnsHostnames",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsHostnames",
"setterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not. </p>*/
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames.
If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnableDnsHostnames",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not. </p>*/
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames.
If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}.

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"membersAsMap": {
  "EnableDnsHostnames": {
    "c2jName": "EnableDnsHostnames",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
    @param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.
    @return Indicates a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName": "withEnableDnsHostnames",
    "getterDocumentation": "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
    @return Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/",
    "getterMethodName": "getEnableDnsHostnames",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": "Value",
      "additionalUnmarshallingPath": "value",
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "EnableDnsHostnames",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "enableDnsHostnames",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "EnableDnsHostnames",
    "setterDocumentation": "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
    @param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>*/",
    "setterModel": {
      "returnType": "Boolean",
      "documentation": null
    }
  }
}
"setterMethodName" : "setEnableDnsHostnames",
"setterModel" : {
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  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
@param enableDnsHostnames Indicates whether the instances launched in the VPC get DNS hostnames.
If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is <code>true</code>, instances in the VPC get DNS hostnames; otherwise, they do not.</p>
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"EnableDnsSupport" : {
  "c2jName" : "EnableDnsSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnableDnsSupport",
  "getterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@return Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.*/",
  "getterMethodName" : "getEnableDnsSupport",
  "getterModel" : {"variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsHostnames",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"}
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EnableDnsSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "enableDnsSupport",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>
@param enableDnsSupport Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport"
"variableType": "Boolean",
"documentation": "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is <code>true</code>, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"VpcId": {
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
*/",
"setterMethodName": "setVpcId",
"setterModel": {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeVpcAttributeResult",
  "variableName" : "describeVpcAttributeResult",
  "variableType" : "DescribeVpcAttributeResult",
  "documentation" : null,
  "simpleType" : "DescribeVpcAttributeResult",
  "variableSetterType" : "DescribeVpcAttributeResult"
},
"wrapper" : false
},
"DescribeVpcClassicLinkDnsSupportRequest" : {
  "c2jName" : "DescribeVpcClassicLinkDnsSupportRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
"documentation": "<p>Contains the parameters for DescribeVpcClassicLinkDnsSupport.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "DescribeVpcClassicLinkDnsSupport",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "VpcIds",
    "c2jShape": "VpcClassicLinkIdList",
    "deprecated": false,
    "documentation": "<p>One or more VPC IDs.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>One or more VPC IDs.</p>
    @param vpcIds One or more VPC
    IDs.@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcIds",
    "getterDocumentation": "/**<p>One or more VPC IDs.</p>
    @return One or more VPC IDs.*/",
    "getterMethodName": "getVpcIds",
    "getterModel": {
      "returnType": "java.util.List<String>",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "VpcIds",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "VpcIds",
      "uri": false
    },
    "idempotencyToken": false,
    "list": true,
    "listModel": {"documentation": "<p>One or more VPC IDs.</p>"}
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@override
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@override
@param member
*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}"}
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "VpcId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "VpcIds",
"setterDocumentation": "/**<p>One or more VPC IDs.</p>
@param vpcIds One or more VPC IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "vpcIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
"},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more VPC IDs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpcIds(java.util.Collection)} or { @link #withVpcIds(java.util.Collection)} if you want to override the existing values.<p>
@param vpcIds One or more VPC IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "vpcIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>One or more VPC IDs.</p>",
"htmlUnformatted": null,
"name": "VpcIds",
"setterDocumentation": "/**
@param vpcIds One or more VPC IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVpcIds",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "vpcIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
"},
"simple": false,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>>

"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>\n@maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "MaxResults",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "maxResults",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."/"",
  "setterMethodName" : "setMaxResults",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
    
    "variable" : {
      "variableDeclarationType" : "Integer",
      "variableName" : "maxResults",
      "variableType" : "Integer",
      "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
      
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
  
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together."/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@return The token for the next set of items to return. (You received this token from a prior call.)\n  
  "getterMethodName" : "getNextToken",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "name" : "open"
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "nextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "nextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "MaxResults",
  "deprecated" : false,
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."",
  "getterDocumentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."
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  "isStreaming" : false,
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  "statusCode" : false,
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  "variableType": "Integer",
  "documentation": "",
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  "variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>
@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@return The token for the next set of items to return. (You received this token from a prior call.)*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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"uri" : false
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"list" : false,
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"setterModel" : {
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>",
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"map" : false,
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"name" : "VpcIds",
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@param vpcIds One or more VPC IDs. */",
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"variableName" : "vpcIds",
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"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
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"simple" : false,
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@param vpcIds One or more VPC IDs.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeVpcClassicLinkDnsSupport.</p>",
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
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      "deprecated": false,
      "documentation": "<p>Information about the ClassicLink DNS support status of the VPCs.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>Information about the ClassicLink DNS support status of the VPCs.</p>
*\n@returns{Vpcs} Information about the ClassicLink DNS support status of the VPCs.
*\n@method chaining Returns a reference to this object so that method calls can be chained together.
*\n",
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      "getterDocumentation": "/**<p>Information about the ClassicLink DNS support status of the VPCs.</p>
*\n@returns{Vpcs} Information about the ClassicLink DNS support status of the VPCs.
*\n",
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        "documentation": null
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        "greedy": false,
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        "isPayload": false,
        "isStreaming": false,
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        "queryString": false,
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    }
  ]
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"c2jShape" : "ClassicLinkDnsSupport",
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"documentation" : "",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : null
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"statusCode" : false,
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"uri" : false
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"listMemberModel" : {
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"documentation" : "",
"enumType" : null,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
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"documentation" : null
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@param member */",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**
@return */",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"documentation": "",
"simpleType": "ClassicLinkDnsSupport",
"variableSetterType": "ClassicLinkDnsSupport"
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"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableName": "member",
"variableType": "ClassicLinkDnsSupport",
"documentation": "",
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"variableSetterType": "ClassicLinkDnsSupport"
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
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"templateType": "java.util.List<ClassicLinkDnsSupport>
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"map": false,
"mapModel": null,
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<p>Information about the ClassicLink DNS support status of the VPCs.</p>
@param vpcs Information about the ClassicLink DNS support status of the VPCs. */",
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"variableName": "vpcs",
"variableType": "java.util.List<ClassicLinkDnsSupport>",
"documentation": "",
"simpleType": "List<ClassicLinkDnsSupport>",
"variableSetterType": "java.util.Collection<ClassicLinkDnsSupport>
",
"simple": false,
"varargSetterDocumentation": "/**
<p>Information about the ClassicLink DNS support status of the VPCs.</p>
<b>&lt;b&gt;NOTE:&lt;/b&gt;</b> This method appends the values to the existing list (if any). Use { @link
#setVpcs(java.util.Collection)} or {@link #withVpcs(java.util.Collection)} if you want to override the existing values.

@Param vpcs Information about the ClassicLink DNS support status of the VPCs.

@return Returns a reference to this object so that method calls can be chained together.*/*

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  "documentation" : "Information about the ClassicLink DNS support status of the VPCs.",
  "simpleType" : "List<ClassicLinkDnsSupport>",
  "variableSetterType" : "java.util.Collection<ClassicLinkDnsSupport>",
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"c2jShape" : "NextToken",
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"documentation" : "The token to use when requesting the next set of items.",
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  "isStreaming" : false,
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@param
nextToken The token to use when requesting the next set of items.</p>
@returns
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items.*/
@param
nextToken The token to use when requesting the next set of items.
@returns
variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}],
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  "c2jShape" : "NextToken",
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  "documentation" : "<p>The token to use when requesting the next set of items.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>*/
  @returns
  fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>*/
  @returns
  getterMethodName" : "getNextToken",
  "getterModel" : {
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    "documentation" : null
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"uri" : false
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"map" : false,
"mapModel" : null,
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@param
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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items.</p>
@param
nextToken The token to use when requesting the next set of items.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>The token to use when requesting the next set of items.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"Vpcs" : {
"c2jName" : "Vpcs",
"c2jShape" : "ClassicLinkDnsSupportList",
"deprecated" : false,
"documentation" : "<p>Information about the ClassicLink DNS support status of the VPCs.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**\n@param vpcs Information about the ClassicLink DNS support status of the VPCs.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"getterDocumentation": "/**\n@return Information about the ClassicLink DNS support status of the VPCs.\n*/",
"getterMethodName": "getVpcs",
"getterModel": {
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"documentation": null
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"unmarshallLocationName": "vpcs",
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"interfaceType": "java.util.List",
"listMemberModel": {
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"c2jShape": "ClassicLinkDnsSupport",
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"getterDocumentation": "/**\n@return 
*/",
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"isStreaming" : false,
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"uri" : false
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"mapModel" : null,
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@param member */",
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  "variableSetterType" : "ClassicLinkDnsSupport"
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"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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   @param vpcIds One or more VPCs for which you want to describe the ClassicLink status.
   @return Returns a reference to this object so that method calls can be chained together.*/",
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   @return One or more VPCs for which you want to describe the ClassicLink status.
   @param vpcIds One or more VPCs for which you want to describe the ClassicLink status.
   @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**<p>One or more VPCs for which you want to describe the ClassicLink
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  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more VPCs for which you want to describe the ClassicLink status.</p><li>

"variable" : {
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  "documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  
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  },
  
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  "c2jShape" : "FilterList",
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>).\</p> </li> <li> <p> <code>tag</code>):<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value.\</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> </ul>

"enumType" : null,
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"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>).\</p> </li> <li> <p> <code>tag</code>):<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value.\</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> </ul>

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"fluentSetterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>).\</p> </li> <li> <p> <code>tag</code>):<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>"X"</code> for the filter value.\</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.\</p> </li> </ul>

"enumType" : null,
value=X\"", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the 

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"templateType" : "java.util.List<Filter>"
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"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-
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</ul>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use <code>@link #setFilters(java.util.Collection)</code> or <code>@link #withFilters(java.util.Collection)</code> if you want to override the existing values.</p> </li> 

</ul>

- Whether the VPC is enabled for ClassicLink (the filter name and the filter value). For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> 

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\texttt{tag}\texttt{\langle/\rangle} = \texttt{\langle/\rangle} filter.
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"map" : false,
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@param member */",
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"setterModel" : {
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"documentation" : "",
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"variableSetterType" : "Filter"
},
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"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
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"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>).\</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.\</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-
value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Name\" and the filter \"tag-value=Node\", you get any resources assigned both the tag key Name (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Value\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X.
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@returns */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**
One or more VPCs for which you want to describe the ClassicLink status.

@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.*/
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPCs for which you want to describe the ClassicLink status.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcIds(java.util.Collection)} or {@link #withVpcIds(java.util.Collection)} if you want to override the existing values.</p>@param vpcIds One or more VPCs for which you want to describe the ClassicLink status.<br/>
@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcClassicLinkRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVpcClassicLinkRequest",
  "variableName" : "vpcClassicLinkRequest",
  "variableType" : "DescribeVpcClassicLinkRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcClassicLinkRequest",
  "variableSetterType" : "DescribeVpcClassicLinkRequest"
},
"wrapper" : false,
"DescribeVpcClassicLinkResult" : {
  "c2jName" : "DescribeVpcClassicLinkResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcClassicLink.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Vpcs",
  "c2jShape" : "VpcClassicLinkList",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ClassicLink status of one or more VPCs.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The ClassicLink status of one or more VPCs.&lt;/p&gt;&lt;param vpcs The ClassicLink status of one or more VPCs.&lt;/param&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
  "fluentSetterMethodName" : "withVpcs",
  "getterDocumentation" : "/**&lt;p&gt;The ClassicLink status of one or more VPCs.&lt;/p&gt;&lt;return&gt;The ClassicLink status of one or more VPCs.*/&lt;/p&gt;",
  "getterMethodName" : "getVpcs",
  "getterModel" : {
    "returnType" : "java.util.List<VpcClassicLink>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "VpcClassicLink",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<VpcClassicLink>",
        "documentation" : null
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "VpcClassicLink",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcClassicLink",
  "variableName" : "member",
  "variableType" : "VpcClassicLink",
  "documentation" : "",
  "simpleType" : "VpcClassicLink",
  "variableSetterType" : "VpcClassicLink"
},
"simple" : false,
"varargSetterDocumentation" : "/**n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcClassicLink",
  "variableName" : "member",
  "variableType" : "VpcClassicLink",
  "documentation" : "",
  "simpleType" : "VpcClassicLink",
  "variableSetterType" : "VpcClassicLink"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "VpcClassicLink",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcClassicLink",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"templateType" : "java.util.List<VpcClassicLink>
",
"map" : false,
"mapModel" : null,
"name" : "Vpcs",
"setterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
@param vpcs The ClassicLink status of one or more VPCs.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"variableName" : "vpcs",
"variableType" : "java.util.List<VpcClassicLink>",
"documentation" : "",
"simpleType" : "List<VpcClassicLink>",
"variableSetterType" : "java.util.Collection<VpcClassicLink>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"variableName" : "vpcs",
"variableType" : "java.util.List<VpcClassicLink>",
"documentation" : "<p>The ClassicLink status of one or more VPCs.</p>
"simpleType" : "List<VpcClassicLink>",
"variableSetterType" : "java.util.Collection<VpcClassicLink>"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"Vpcs" : {
"c2jName" : "Vpcs",
"c2jShape" : "VpcClassicLinkList",
"deprecated" : false,
"documentation" : "The ClassicLink status of one or more VPCs.\n\n@param vpcs The ClassicLink status of one or more VPCs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "withVpcs",
"getterDocumentation" : "The ClassicLink status of one or more VPCs.\n\n@return The ClassicLink status of one or more VPCs.*/",
"getterMethodName" : "getVpcs",
"getterModel" : {
    "returnType" : "java.util.List<VpcClassicLink>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "VpcClassicLink",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "withMember member\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "The ClassicLink status of one or more VPCs.\n\n@return The ClassicLink status of one or more VPCs.*/",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "VpcClassicLink",
            "documentation" : null
        }
    }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**
   * @param member
   */",
  "setterMethodName": "setMember",
  "setterModel": {
    "variableDeclarationType": "VpcClassicLink",
    "variableName": "member",
    "variableType": "VpcClassicLink",
    "documentation": "",
    "simpleType": "VpcClassicLink",
    "variableSetterType": "VpcClassicLink"
  },
  "simple": false,
  "varargSetterDocumentation": "/**\n   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "VpcClassicLink",
    "variableName": "member",
    "variableType": "VpcClassicLink",
    "documentation": "",
    "simpleType": "VpcClassicLink",
    "variableSetterType": "VpcClassicLink"
  },
  "xmlNameSpaceUri": null
},
  "memberLocationName": "item",
  "memberType": "VpcClassicLink",
  "map": false,
  "marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcClassicLink",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
"templateType" : "java.util.List<VpcClassicLink>",
"map" : false,
"mapModel" : null,
"name" : "Vpcs",
"setterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
@param vpcs The ClassicLink status of one or more VPCs.*/",
"setterMethodName" : "setVpcs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
  "variableName" : "vpcs",
  "variableType" : "java.util.List<VpcClassicLink>",
  "documentation" : "",
  "simpleType" : "List<VpcClassicLink>",
  "variableSetterType" : "java.util.Collection<VpcClassicLink>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ClassicLink status of one or more VPCs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpcs(java.util.Collection)} or { @link #withVpcs(java.util.Collection)} if you want to override the existing values.</p>
@param vpcs The ClassicLink status of one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcClassicLink>",
  "variableName" : "vpcs",
  "variableType" : "java.util.List<VpcClassicLink>",
  "documentation" : "The ClassicLink status of one or more VPCs."
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcClassicLinkResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "DescribeVpcClassicLinkResult",
"variableName" : "describeVpcClassicLinkResult",
"variableType" : "DescribeVpcClassicLinkResult",
"documentation" : null,
"simpleType" : "DescribeVpcClassicLinkResult",
"variableSetterType" : "DescribeVpcClassicLinkResult"
},
"wrapper" : false
},
"DescribeVpcEndpointServicesRequest" : {
"c2jName" : "DescribeVpcEndpointServicesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVpcEndpointServices.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DescribeVpcEndpointServices",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [] {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>@return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "MaxResults",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "MaxResults",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "MaxResults",
 "setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.*="/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "maxResults",
 "variableType" : "Integer",
 "documentation" : "",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the
value is greater than 1000, we return only 1000 items.</p>

@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>

Constraint: If the value is greater than 1000, we return only 1000 items.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. Constraint: If the value is greater than 1000, we return only 1000 items."
},

"xmlNameSpaceUri" : null
},

"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",

"enumType" : null,

"fluentSetterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)",

"getterDocumentation" : "The token for the next set of items to return. (You received this token from a prior call.)",

"getterMethodName" : "getNextToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**\n<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"MaxResults" : {
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.\n<p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
reference to this object so that method calls can be chained together.*/*.

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns
a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is
greater than 1000, we return only 1000 items.</p><p>\n@return The maximum number of items to return for this
request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxResults",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxResults",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns
a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is
greater than 1000, we return only 1000 items.</p><p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p><p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.
Constraint: If the value is greater than 1000, we return only 1000 items.
@return Returns a reference to this object so that method calls can be chained together.*",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"NextToken" : {
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior call.)\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@return The token for the next set of items to return. (You received this token from a prior call.)",
"getterMethodName" : "getNextToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcEndpointServicesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeVpcEndpointServicesRequest",
"variableName" : "describeVpcEndpointServicesRequest",
"variableType" : "DescribeVpcEndpointServicesRequest",
"documentation" : null,
"simpleType" : "DescribeVpcEndpointServicesRequest",
"variableSetterType" : "DescribeVpcEndpointServicesRequest"
},
"wrapper" : false
},
"DescribeVpcEndpointServicesResult" : {
"c2jName" : "DescribeVpcEndpointServicesResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcEndpointServices.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "ServiceNames",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "<p>A list of supported AWS services.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A list of supported AWS services.</p>
@param serviceNames A list of supported AWS services.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withServiceNames",
    "getterDocumentation" : "/**<p>A list of supported AWS services.</p>
@return A list of supported AWS services.
*/",
    "getterMethodName" : "getServiceNames",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    },
  }
],
"isError" : false,
"isList" : true,
"isPayloadMember" : false,
"isSimpleType" : false,
"isWrapperType" : false,
"name" : "ServiceNamesList",
"payloadType" : "ServiceNamesList",
"shapeName" : "ServiceNamesList",
"type" : "list"
"marshallLocationName": "ServiceNameSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceNameSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
   * @return *
   */",
"getMethodMethodName": "getMember",
"getModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
   * @param member *
   */"
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "ServiceNames",
"setterDocumentation" : "/**<p>A list of supported AWS services.</p>
@param serviceNames A list of supported AWS services.</p>*/",
"setterMethodName" : "setServiceNames",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "serviceNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
}
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>A list of supported AWS services.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setServiceNames(java.util.Collection)} or
 {@link #withServiceNames(java.util.Collection)} if you want to override the existing values.</p>\n@param serviceNames A list of supported AWS services.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "serviceNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>A list of supported AWS services.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NextToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>\n@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**\n<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "httpMethod": "GET"
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items
to return, the string is empty.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]}
"membersAsMap" : {
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items
to return, the string is empty.</p>
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no
additional items to return, the string is empty.</p>*/
@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"fluentSetterMethodName" : "withNextToken",
"getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.<p>@return The token to use when requesting the next set of items.
If there are no additional items to return, the string is empty.</p>*/",
"getterMethodName" : "getNextToken",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "NextToken",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "nextToken",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextToken",
"setterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>*/",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>@param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {

"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String",
"documentation": "&lt;p&gt;The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.&lt;/p&gt;",
"simpleType": "String",
"variableSetterType": "String"},
"xmlNameSpaceUri": null,
"ServiceNames": {
"c2jName": "ServiceNames",
"c2jShape": "ValueStringList",
"deprecated": false,
"documentation": "&lt;p&gt;A list of supported AWS services.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;A list of supported AWS services.&lt;/p&gt;&lt;@param serviceNames A list of supported AWS services.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
"fluentSetterMethodName": "withServiceNames",
"getterDocumentation": "/**&lt;p&gt;A list of supported AWS services.&lt;/p&gt;&lt;@return A list of supported AWS services.&lt;/p&gt;*/",
"getterMethodName": "getServiceNames",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ServiceNameSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "serviceNameSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {"simpleType": "String"}}"
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethod" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ServiceNames",
"setterDocumentation" : "/**
 * A list of supported AWS services.
 */
@param serviceNames A list of supported AWS services.
*/

"setterMethodName" : "setServiceNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "serviceNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * A list of supported AWS services.
 */

"varargMethodName" : "withServiceNames",
"varargModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "serviceNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcEndpointServicesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeVpcEndpointServicesResult",
  "variableName" : "describeVpcEndpointServicesResult",
  "variableType" : "DescribeVpcEndpointServicesResult",
  "documentation" : null,
  "simpleType" : "DescribeVpcEndpointServicesResult",
  "variableSetterType" : "DescribeVpcEndpointServicesResult"
},
"wrapper" : false
],
"DescribeVpcEndpointsRequest" : {
  "c2jName" : "DescribeVpcEndpointsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpcEndpoints.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeVpcEndpoints",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [

"c2jName" : "VpcEndpointIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more endpoint IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\*<p>One or more endpoint IDs.</p>\*\*/
@n@param vpcEndpointIds One or more endpoint IDs.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcEndpointIds",
"getterDocumentation" : "/\*\*<p>One or more endpoint IDs.</p>\*\*/
@n@return One or more endpoint IDs.*/",
"getterMethodName" : "getVpcEndpointIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcEndpointId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcEndpointId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/\*\*\n@n@param member \n@n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/\*\n@n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**\n<p>One or more endpoint IDs.</p>
@\n@param vpcEndpointIds One or more endpoint IDs.*\n*/",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcEndpointIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>One or more endpoint IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setVpcEndpointIds(java.util.Collection) \} or \{ @link #withVpcEndpointIds(java.util.Collection) \} if you want to override the existing values.</p>
@\n@param vpcEndpointIds One or more endpoint IDs.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcEndpointIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more endpoint IDs.",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>One or more filters.</p>
<code>\</code>"}
@param filters One or more filters.</p> <ul>
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withFilters",
@return One or more filters.</p> <ul> <li> <p> <code>service-name</code>: The name of the AWS service.</p> </li> <li> <p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li> <li> <p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li> <li> <p> <code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p> </li>
*/",
"getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter"}
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return *
*/",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Filter",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Filter",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Filter",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter"
"memberType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "**One or more filters.**

*service-name*: The name of the AWS service.

*vpc-id*: The ID of the VPC in which the endpoint resides.

*vpc-endpoint-id*: The ID of the endpoint.

*vpc-endpoint-state*: The state of the endpoint. (pending | available | deleting | deleted)

*filter*: Additional filters

Set the values for the filters.

### Notes:

- This method appends the values to the existing list (if any). Use `Array.prototype.push()` to append values.
- Use `Array.prototype.filter()` to filter out values.

### Example:

```java
Filters filters = new Filters();
filters.addFilter(serviceName, vpcId, vpcEndpointId);
```

"setterMethodName": "setFilters",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName": "filters",
"variableType": "java.util.List<Filter>",
"documentation": "",
"simpleType": "List<Filter>",
"variableSetterType": "java.util.Collection<Filter>"
},
"simple": false,
"varargSetterDocumentation": "**One or more filters.**

*service-name*: The name of the AWS service.

*vpc-id*: The ID of the VPC in which the endpoint resides.

*vpc-endpoint-id*: The ID of the endpoint.

*vpc-endpoint-state*: The state of the endpoint. (pending | available | deleting | deleted)

*filter*: Additional filters

This method appends the values to the existing list (if any). Use `Array.prototype.push()` to append values.

### Notes:

- This method appends the values to the existing list (if any). Use `Array.prototype.push()` to append values.
- Use `Array.prototype.filter()` to filter out values.

### Example:

```java
Filters filters = new Filters();
filters.addFilter(serviceName, vpcId, vpcEndpointId);
```
#withFilters(java.util.Collection) if you want to override the existing values.<p>&lt;p&gt;&lt;n&gt;&lt;n&gt;param filters One or more filters.&lt;/n&gt;&lt;/p&gt;&lt;ul&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;service-name&lt;/code&gt;: The name of the AWS service.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-id&lt;/code&gt;: The ID of the VPC in which the endpoint resides.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-endpoint-id&lt;/code&gt;: The ID of the endpoint.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-endpoint-state&lt;/code&gt;: The state of the endpoint. (&lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;available&lt;/code&gt; | &lt;code&gt;deleting&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt;)&lt;/p&gt;&lt;/li&gt;&lt;n&gt;&lt;n&gt;return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList&lt;Filter&gt;",
  "variableName" : "filters",
  "variableType" : "java.util.List&lt;Filter&gt;",
  "documentation" : "&lt;p&gt;One or more filters.&lt;/p&gt;&lt;ul&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;service-name&lt;/code&gt;: The name of the AWS service.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-id&lt;/code&gt;: The ID of the VPC in which the endpoint resides.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-endpoint-id&lt;/code&gt;: The ID of the endpoint.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;code&gt;vpc-endpoint-state&lt;/code&gt;: The state of the endpoint. (&lt;code&gt;pending&lt;/code&gt; | &lt;code&gt;available&lt;/code&gt; | &lt;code&gt;deleting&lt;/code&gt; | &lt;code&gt;deleted&lt;/code&gt;)

"simpleType" : "List&lt;Filter&gt;",
"variableSetterType" : "java.util.Collection&lt;Filter&gt;"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxResults",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "&lt;p&gt;The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;&lt;p&gt;Constraint: If the value is greater than 1000, we return only 1000 items.&lt;/p&gt;"",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;&lt;p&gt;Constraint: If the value is greater than 1000, we return only 1000 items.&lt;/p&gt;&lt;n&gt;&lt;n&gt;param maxResults The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;&lt;p&gt;Constraint: If the value is greater than 1000, we return only 1000 items.&lt;/p&gt;&lt;n&gt;&lt;n&gt;return Returns a reference to this object so that method calls can be chained together.*/*

"fluentSetterMethodName" : "withMaxResults",
"getterDocumentation" : "/**&lt;p&gt;The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;&lt;p&gt;Constraint: If the value is greater than 1000, we return only 1000 items.&lt;/p&gt;&lt;n&gt;&lt;n&gt;return The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.&lt;/p&gt;&lt;p&gt;Constraint: If the value is greater than 1000, we return only 1000 items.*/*",
"getterMethodName" : "getMaxResults",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "MaxResults",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "MaxResults",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxResults",
"setterDocumentation": "/**<p>The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is
greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return
for this request. The request returns a token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is
greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return
for this request. The request returns a token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "The maximum number of items to return for this request. The request returns a
token that you can specify in a subsequent call to get the next set of results.
Constraint: If the value is greater than 1000, we return only 1000 items.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "Integer",
  "variableSetterType": "Integer"},
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "String",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior call.)</p>
@param nextToken The token for the next set of items to return. (You received this token from a prior call.)
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "The token for the next set of items to return. (You received this token from a prior call.)",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters.
</p> </li>
</ul>"
}

"fluentSetterDocumentation" : "/**<p>One or more filters.</p>
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p>
@return One or more filters.</p>"
the VPC in which the endpoint resides.</p> <li> <p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p> <li> <p> <code>vpc-endpoint-state</code>: The state of the endpoint. (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>)</p> */

```
"getterMethodName": "getFilters",
"getterModel": {
    "returnType": "java.util.List<Filter>",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Filter",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Filter",
    "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "Filter",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterDocumentation": "\n\n@\nreturn Returns a reference to this object so that method calls can be chained together.\n",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "\n\n@\nreturn \n",
        "getterMethodName": "getMember",
        "getterModel": {
            "returnType": "Filter",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
```
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p>
<li> <p> <code>service-name</code>: The name of the AWS service.</p> </li>
<li> <p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li> <p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li>
<li> <p> <code>vpc-endpoint-state</code>: The state of the endpoint.</p> </li>
<li> <p> <code>vpc-endpoint-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li> <p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li> <p> <code>vpc-endpoint-state</code>: The state of the endpoint.</p> </li>*/
@param filters One or more filters.
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setFilters",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "",
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filters.</p>
<li> <p> <code>service-name</code>: The name of the AWS service.</p> </li>
<li> <p> <code>vpc-id</code>: The ID of the VPC in which the endpoint resides.</p> </li>
<li> <p> <code>vpc-endpoint-id</code>: The ID of the endpoint.</p> </li>
<li> <p> <code>vpc-endpoint-state</code>: The state of the endpoint.</p> </li>*/
@param filters One or more filters.
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"variableName" : "filters",
"variableType" : "java.util.List<Filter>",
"documentation" : "<p>One or more filters.</p>
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
"name" : "MaxResults",
"setterDocumentation" : "/**<p>The maximum number of items to return for this request. The request returns
a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is
greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return
for this request. The request returns a token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.*/",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum number of items to return for this request. The request
returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the
value is greater than 1000, we return only 1000 items.</p>\n@param maxResults The maximum number of items to return
for this request. The request returns a token that you can specify in a subsequent call to get the next set of
results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of items to return for this request. The request returns a token
that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than
1000, we return only 1000 items.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior
call.)</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a prior
call.)</p>\n@param nextToken The token for the next set of items to return. (You received this token from a prior
call.)\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNextToken",
  "getterDocumentation" : "/**<p>The token for the next set of items to return. (You received this token from a
prior call.)</p>\n@return The token for the next set of items to return. (You received this token from a prior
call.)*/"
"getterMethodName" : "getNextToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "NextToken",

"setterDocumentation" : "\/*\nThe token for the next set of items to return. (You received this token from a prior call.)\n*/",

"setterMethodName" : "setNextToken",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "\/*\nThe token for the next set of items to return. (You received this token from a prior call.)\n*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>\n@returns a reference to this object so that method calls can be chained together.*/",
},

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>"},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcEndpointIds" : {
"c2jName" : "VpcEndpointIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more endpoint IDs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>*/
@n@param vpcEndpointIds One or more endpoint IDs.
@n@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withVpcEndpointIds",
"getterDocumentation" : "/**<p>One or more endpoint IDs.</p>*/
@n@return One or more endpoint IDs.*/*",
"getterMethodName" : "getVpcEndpointIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcEndpointId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcEndpointId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : """,
"enumType" : null,
"fluentSetterDocumentation" : "/**@n@param member @n@return Returns a reference to this object so that method calls can be chained together.*/*",
"getterDocumentation" : "/**@n@return One or more BatchRequests.*/
@n@return One or more BatchRequests.*/*",
"getterMethodName" : "getBatchRequests",
"getterModel" : {
"returnType" : "java.util.List<BatchRequest>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BatchRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BatchRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : """,
"enumType" : null,
"fluentSetterDocumentation" : "/**@n@param member @n@return Returns a reference to this object so that method calls can be chained together.*/*",
"getterDocumentation" : "/**@n@return One or more BatchRequests.*/
@n@return One or more BatchRequests.*/*",
"getterMethodName" : "getBatchRequests",
"getterModel" : {
"returnType" : "java.util.List<BatchRequest>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BatchRequestId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BatchRequestId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
 @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointIds",
"setterDocumentation" : "/**<p>One or more endpoint IDs.</p>
@param vpcEndpointIds One or more endpoint IDs.@*/",
"setterMethodName" : "setVpcEndpointIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcEndpointIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more endpoint IDs.</p>
<p>NOTE: This method appends the values to the existing list (if any). Use {link #setVpcEndpointIds(java.util.Collection)} or {link #withVpcEndpointIds(java.util.Collection)} if you want to override the existing values.</p>
@param vpcEndpointIds One or more endpoint IDs.@<p>
@return Returns a reference to this object so that method calls can be chained together.@*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcEndpointIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more endpoint IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlnsSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null}
null,
"shapeName" : "DescribeVpcEndpointsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVpcEndpointsRequest",
  "variableName" : "describeVpcEndpointsRequest",
  "variableType" : "DescribeVpcEndpointsRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcEndpointsRequest",
  "variableSetterType" : "DescribeVpcEndpointsRequest"
},
"wrapper" : false
},
"DescribeVpcEndpointsResult" : {
  "c2jName" : "DescribeVpcEndpointsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVpcEndpoints.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "VpcEndpoints",
      "c2jShape" : "VpcEndpointSet",
      "deprecated" : false,
      "documentation" : "<p>Information about the endpoints.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the endpoints.</p>
@param vpcEndpoints
Information about the endpoints.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withVpcEndpoints",
      "getterDocumentation" : "/**<p>Information about the endpoints.</p>
@returns Information about the endpoints.*/",
      "getterMethodName" : "getVpcEndpoints",
      "getterModel" : {
        "returnType" : "java.util.List<VpcEndpoint>",
        "documentation" : null
      },
      "http" : {
        "required" : null,
        "shapeName" : "DescribeVpcEndpointsRequest",
        "unmarshaller" : null,
        "variable" : {
          "variableDeclarationType" : "DescribeVpcEndpointsRequest",
          "variableName" : "describeVpcEndpointsRequest",
          "variableType" : "DescribeVpcEndpointsRequest",
          "documentation" : null,
          "simpleType" : "DescribeVpcEndpointsRequest",
          "variableSetterType" : "DescribeVpcEndpointsRequest"
        },
        "wrapper" : false
      }
    }
  ]
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "VpcEndpoint",
"variableName": "member",
"variableType": "VpcEndpoint",
"documentation": "",
"simpleType": "VpcEndpoint",
"variableSetterType": "VpcEndpoint"
}
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "VpcEndpoint",
"variableName": "member",
"variableType": "VpcEndpoint",
"documentation": "",
"simpleType": "VpcEndpoint",
"variableSetterType": "VpcEndpoint"
}
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VpcEndpoint",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VpcEndpoint",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"templateType": "java.util.List<VpcEndpoint>"
},
"map": false,
"mapModel": null,
"name": "VpcEndpoints",
"setterDocumentation": "/**\n@param vpcEndpoints Information about the endpoints.*/",
"setterMethodName": "setVpcEndpoints",
"setterModel": {
"variableDeclarationType": "VpcEndpoint",
"variableName": "vpcEndpoints",
"variableType": "VpcEndpoint",
"documentation": "",
"simpleType": "VpcEndpoint",
"variableSetterType": "VpcEndpoint"
}
},
"simple": false,
"simpleType": "VpcEndpoint",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"templateType": "java.util.List<VpcEndpoint>"
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
    "variableName" : "vpcEndpoints",
    "variableType" : "java.util.List<VpcEndpoint>",
    "documentation" : "",
    "simpleType" : "List<VpcEndpoint>",
    "variableSetterType" : "java.util.Collection<VpcEndpoint>",
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Information about the endpoints.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcEndpoints(java.util.Collection)} or [{@link #withVpcEndpoints(java.util.Collection)} if you want to override the existing values.</p>
    @param vpcEndpoints Information about the endpoints.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
        "variableName" : "vpcEndpoints",
        "variableType" : "java.util.List<VpcEndpoint>",
        "documentation" : "<p>Information about the endpoints.</p>
        "simpleType" : "List<VpcEndpoint>",
        "variableSetterType" : "java.util.Collection<VpcEndpoint>",
        "xmlNameSpaceUri" : null,
    },
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
    @param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNextToken",
    "getterDocumentation" : "/**<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>
    @return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.*/",
    "getterMethodName" : "getNextToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
    }
}
"deprecated": false,
"documentation": "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n","enumType": null,
"fluentSetterDocumentation": "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n@\param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n@return Returns a reference to this object so that method calls can be chained together.\n","fluentSetterMethodName": "withNextToken",
"getterDocumentation": "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n\n@return The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n","getterMethodName": "getNextToken",
"getterModel": {"returnType": "String","documentation": null},
"idempotencyToken": false,"list": false,"listModel": null,"map": false,"mapModel": null,"name": "NextToken","setterDocumentation": "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n@\param nextToken The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.\n","setterMethodName": "setNextToken","setterModel": {"variableDeclarationType": "String","variableName": "nextToken","variableType": "String","documentation": ",","simpleType": "String"}
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VpcEndpoint",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VpcEndpoint",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "VpcEndpoint",
      "variableName" : "member",
    }
  }
}
"variableType" : "VpcEndpoint",
"documentation" : "",
"simpleType" : "VpcEndpoint",
"variableSetterType" : "VpcEndpoint"
},
"simple" : false,
"varargSetterDocumentation" : "/**@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "VpcEndpoint",
   "variableName" : "member",
   "variableType" : "VpcEndpoint",
   "documentation" : "",
   "simpleType" : "VpcEndpoint",
   "variableSetterType" : "VpcEndpoint"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcEndpoint",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcEndpoint",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
"templateType" : "java.util.List<VpcEndpoint>"
},
"map" : false,
"mapModel" : null,
"name" : "VpcEndpoints",
"setterDocumentation" : "/**Information about the endpoints.\n@param vpcEndpoints Information about the endpoints.*/",
"setterMethodName" : "setVpcEndpoints",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
   "variableName" : "vpcEndpoints",
   "variableType" : "java.util.List<VpcEndpoint>",
   "documentation" : "",
   "simpleType" : "List<VpcEndpoint>",
   "variableSetterType" : "java.util.Collection<VpcEndpoint>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the endpoints.\n@param vpcEndpoints Information about the endpoints.*/
<p>Note: This method appends the values to the existing list (if any). Use {@link #setVpcEndpoints(java.util.Collection)} or {@link #withVpcEndpoints(java.util.Collection)} if you want to override the existing values.\n@param vpcEndpoints</p>\n@returns a reference to this object so that method calls can be chained together.*/",
"varargSetterDocumentation" : "/**
@returns a reference to this object so that method calls can be chained together.*/"
vpceEndpoints Information about the endpoints.

@return Returns a reference to this object so that method calls can be chained together. */

variable : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcEndpoint>",
    "variableName" : "vpceEndpoints",
    "variableType" : "java.util.List<VpcEndpoint>",
    "documentation" : "<p>Information about the endpoints.</p>",
    "simpleType" : "List<VpcEndpoint>",
    "variableSetterType" : "java.util.Collection<VpcEndpoint>",
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeVpcEndpointsResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeVpcEndpointsResult",
    "variableName" : "describeVpcEndpointsResult",
    "variableType" : "DescribeVpcEndpointsResult",
    "documentation" : null,
    "simpleType" : "DescribeVpcEndpointsResult",
    "variableSetterType" : "DescribeVpcEndpointsResult"
},
"wrapper" : false
},
"DescribeVpcPeeringConnectionsRequest" : {
    "c2jName" : "DescribeVpcPeeringConnectionsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DescribeVpcPeeringConnections.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
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  "enumType" : null,
  "fluentSetterDocumentation" : "One or more VPC peering connection IDs.<p>Default: Describes all your VPC peering connections.</p>
  @param vpcPeeringConnectionIds One or more VPC peering connection IDs.<p>Default: Describes all your VPC peering connections.<p>
  @return Returns a reference to this object so that method calls can be chained together."",
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  "getterDocumentation" : "One or more VPC peering connection IDs.<p>Default: Describes all your VPC peering connections.<p>
  @return One or more VPC peering connection IDs.<p>Default: Describes all your VPC peering connections.<p>
  @return Returns a reference to this object so that method calls can be chained together."",
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
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  "list" : true,
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    "listMemberModel" : {"implementation": "java.util.List<String>"}}
}];

"description": "API endpoint for the VPC Peering service.

This API allows you to manage your VPC peering connections.

Required

- action: The action to perform (e.g., DescribeVpcPeeringConnections).
- requestUri: The URI path (e.g., "/").

Optional

- locationName: The name of the location.
- target: The target of the API call.
- verb: The HTTP verb (e.g., "POST").
- xmlNameSpaceUri: The XML namespace URI.

Parameters

- VpcPeeringConnectionIds: A list of VPC peering connection IDs. (Optional)
  Default: Describes all your VPC peering connections.

Response

- VpcPeeringConnectionIds: A list of VPC peering connection IDs.
  Default: Describes all your VPC peering connections.

Usage

This API is used to manage your VPC peering connections. You can use it to describe your VPC peering connections, describe a specific VPC peering connection, or update the status of a VPC peering connection.

Important:

- The API is idempotent, meaning that it can be called multiple times without affecting the result.

Example

Describing VPC peering connections:

```javascript
const params = { action: 'DescribeVpcPeeringConnections', requestUri: '/' }
const response = ec2.describeVpcPeeringConnections(params)
```

Describing a specific VPC peering connection:

```javascript
const vpcPeeringConnectionId = 'vpc-peering-connection-123'
const params = { action: 'DescribeVpcPeeringConnections', requestUri: '/', VpcPeeringConnectionIds: [vpcPeeringConnectionId] }
const response = ec2.describeVpcPeeringConnections(params)
```

Updating the status of a VPC peering connection:

```javascript
const status = 'active'
const params = { action: 'UpdateVpcPeeringConnectionStatus', requestUri: '/', VpcPeeringConnectionIds: [vpcPeeringConnectionId], Status: status }
const response = ec2.updateVpcPeeringConnectionStatus(params)
```
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"documentation": "",
"enumType": null,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**
@return */",
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  "documentation": null
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
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    "documentation" : "",
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    "variableSetterType" : "String"
},
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"memberType" : "String",
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"mapModel" : null,
"name" : "VpcPeeringConnectionIds",
"setterDocumentation" : "/**<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p><p>@param vpcPeeringConnectionIds One or more VPC peering connection IDs.</p>*/", "setterMethodName" : "setVpcPeeringConnectionIds",
"setterModel" : {
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    "variableName" : "vpcPeeringConnectionIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpcPeeringConnectionIds(java.util.Collection) } or { @link #withVpcPeeringConnectionIds(java.util.Collection) } if you want to override the existing values.</p><p>@param vpcPeeringConnectionIds One or more VPC peering connection IDs.</p><p>Default: Describes all your VPC peering connections.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/", "variable" : {
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    "variableType" : "java.util.List<String>"}
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"variableSetterType": "java.util.Collection<String>
",
"xmlNameSpaceUri": null
},
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"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).</p> </li> <li> <p> <code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> </ul>",
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"fluentSetterDocumentation": "<p>One or more filters.</p> <ul>
<li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).</p> </li> <li> <p> <code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and
the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The ID of the VPC peering connection.

The IPv4 CIDR block of the peer VPC.

The AWS account ID of the owner of the peer VPC.

The IPv4 CIDR block of the requester's VPC.

The AWS account ID of the owner of the requester VPC.

The ID of the peer VPC.

The expiration date and time for the VPC peering connection.

The IPv4 CIDR block of the requester's VPC.

The AWS account ID of the owner of the requester VPC.

The ID of the peer VPC.

The ID of the VPC peering connection.

One or more filters.

The IPv4 CIDR block of the peer VPC.

The AWS account ID of the owner of the peer VPC.

The ID of the peer VPC.

The expiration date and time for the VPC peering connection.

The IPv4 CIDR block of the requester's VPC.

The AWS account ID of the owner of the requester VPC.

The ID of the requester VPC.

The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code> ).

A message that provides more information about the status of the VPC peering connection, if applicable.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\"tag-key=Purpose\"" and the filter "\"tag-value=X\"", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
<p>&lt;code&gt;vpc-peering-connection-id&lt;/code&gt; - The ID of the VPC peering connection.</p>

<ul>
  <li>&lt;code&gt;accepter-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the peer VPC.</li>
  <li>&lt;code&gt;accepter-vpc-info.id&lt;/code&gt; - The ID of the peer VPC.</li>
  <li>&lt;code&gt;accepter-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the peer VPC.</li>
  <li>&lt;code&gt;requester-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the requester's VPC.</li>
  <li>&lt;code&gt;requester-vpc-info.id&lt;/code&gt; - The ID of the requester VPC.</li>
  <li>&lt;code&gt;requester-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the requester VPC.</li>
  <li>&lt;code&gt;status-code&lt;/code&gt; - The status of the VPC peering connection (pending-acceptance | accepted | rejected | deleted | expired | failed).</li>
</ul>

<p>&lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;&lt;code&gt;key&lt;/code&gt;&lt;/i&gt;=&lt;i&gt;&lt;code&gt;value&lt;/code&gt;&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.</p>

<p>&lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;&lt;code&gt;key&lt;/code&gt;&lt;/i&gt;=&lt;i&gt;&lt;code&gt;value&lt;/code&gt;&lt;/i&gt; filter.</p>

<p>&lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.</p>

<p>&lt;code&gt;expiration-time&lt;/code&gt; - The expiration date and time for the VPC peering connection.</p>

<p>&lt;code&gt;status-message&lt;/code&gt; - A message that provides more information about the status of the VPC peering connection, if applicable.</p>

<p>&lt;code&gt;tag: Purpose&lt;/code&gt; - The tag key that you want to filter on.</p>

<p>&lt;code&gt;tag-value: X&lt;/code&gt; - The tag value that you want to filter on.</p>

<p>&lt;code&gt;tag-key: purpose&lt;/code&gt; - The tag key that you want to filter on.</p>

<p>&lt;code&gt;tag-value: x&lt;/code&gt; - The tag value that you want to filter on.</p>

<p>&lt;code&gt;tag: &lt;i&gt;key&lt;/i&gt;&lt;/code&gt;&lt;i&gt;value&lt;/i&gt;&lt;/code&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.</p>

<p>&lt;code&gt;tag-key&lt;/code&gt; - The key of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-value&lt;/code&gt; filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the &lt;code&gt;tag&lt;/code&gt;: &lt;i&gt;&lt;code&gt;key&lt;/code&gt;&lt;/i&gt;=&lt;i&gt;&lt;code&gt;value&lt;/code&gt;&lt;/i&gt; filter.</p>

<p>&lt;code&gt;tag-value&lt;/code&gt; - The value of a tag assigned to the resource. This filter is independent of the &lt;code&gt;tag-key&lt;/code&gt; filter.</p>

<p>&lt;code&gt;vpc-peering-connection-id&lt;/code&gt; - The ID of the VPC peering connection.</p>
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return */
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"statusCode" : false,
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"setterModel" : {

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"variableSetterType" : "Filter"
},

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"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"}
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    "documentation" : "",
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    "variableSetterType" : "Filter"
},
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"memberLocationName" : "Filter",
"memberType" : "Filter",
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"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p> </li> <li> <p> <code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p> </li> <li> <p> <code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p> </li> <li> <p> <code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p> </li> <li> <p> <code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p> </li> <li> <p> <code>status-code</code> - The status of the VPC peering connection (<code>pending-acceptance</code> | <code>failed</code> | <code>expired</code> | <code>provisioning</code> | <code>active</code> | <code>deleted</code> | <code>rejected</code>).<p> <li> <p> <code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. <p> <li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> <li> <p> <code>un@param</code> One or more filters.</p> </li> <li> <p> <code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p> </li> <li> <p> <code>accepter-vpc-info.owner-id</code> - The AWS account ID of the
owner of the peer VPC.</p></li><li><p>&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;accepter-vpc-info.vpc-id&lt;/code&gt; - The ID of the peer VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;accepter-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the peer's VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;accepter-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the peer VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;expiration-time&lt;/code&gt; - The expiration date and time for the VPC peering connection.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;requester-vpc-info.cidr-block&lt;/code&gt; - The IPv4 CIDR block of the requester's VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;requester-vpc-info.owner-id&lt;/code&gt; - The AWS account ID of the owner of the requester VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;requester-vpc-info.vpc-id&lt;/code&gt; - The ID of the requester VPC.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;status-code&lt;/code&gt; - The status of the VPC peering connection (pending-acceptance|expired|provisioning|active|rejected).&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;status-message&lt;/code&gt; - A message that provides more information about the status of the VPC peering connection, if applicable.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;tag-key&lt;/code&gt;:&lt;i&gt;key&lt;/i&gt;=&lt;i&gt;value&lt;/i&gt; - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &lt;code&gt;tag:Purpose&lt;/code&gt; for the filter name and &lt;code&gt;X&lt;/code&gt; for the filter value.&lt;/p&gt;&lt;/li&gt;&lt;li&gt;&lt;p&gt;&lt;/code&gt;vpc-peering-connection-id&lt;/code&gt; - The ID of the VPC peering connection.&lt;/p&gt;&lt;/li&gt;&lt;/ul&gt;"}
value of a tag assigned to the resource. This filter is independent of the tag-key filter. Example: tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the tag:tag-key=Purpose | tag-value=X, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose
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```java
/*param filters One or more filters.

@return Returns a reference to this object so that method calls can be chained together.*/

fluentSetterMethodName" : "withFilters",

"getterDocumentation" : "/**<p>One or more filters.</p> <ul>

```
value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `tag:Purpose=value` filter. The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter.

- The ID of the VPC peering connection.

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- The ID of the VPC peering connection.

If you want to list only resources where Purpose is X, see the `tag:Purpose=value` filter. The value of a tag assigned to the resource. This filter is independent of the `tag-key` filter.
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Filter",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Filter",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Filter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Filter",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Filter",
    "variableName" : "member",
    "variableType" : "Filter",
    "documentation" : "",
    "simpleType" : "Filter",
    "variableSetterType" : "Filter"
  }
},

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"simple" : false,
"vargrSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "vargrSetterType" : "Filter"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p>
<li><p><code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</p></li>
<li><p><code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</p></li>
<li><p><code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</p></li>
<li><p><code>expiration-time</code> - The expiration date and time for the VPC peering connection.</p></li>
<li><p><code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</p></li>
<li><p><code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</p></li>
<li><p><code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</p></li>
<li><p>status-code - The status of the VPC peering connection (</p></li>
<li><p>status-message - A message that provides more information about the status of the VPC peering connection, if applicable.</p></li>
<li><p>tag: key=value - A key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p></li>
<li><p>tag-key - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag=value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.</p></li>
</ul>"
<p><code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p>

- The ID of the peer VPC. 
- The expiration date and time for the VPC peering connection. 
- The status of the VPC peering connection. 
- The status code of the VPC peering connection. 
- The status message of the VPC peering connection. 
- The key/value combination of a tag assigned to the resource. 
- The key of a tag assigned to the resource. 
- The value of a tag assigned to the resource. 

```
setterMethodName" : "setFilters",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : ",
    "simpleType" : "List<Filter>",
    "variableSetterType" : "java.util.Collection<Filter>"
},
"simple" : false,
"varargSetterDocumentation" : "**One or more filters.**<ul><li><code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC. 
- The AWS account ID of the owner of the peer VPC. 
- The ID of the peer VPC. 
- The expiration date and time for the VPC peering connection. 
- The status of the VPC peering connection. 
- The status code of the VPC peering connection. 
- The status message of the VPC peering connection. 
- The key/value combination of a tag assigned to the resource. 
- The key of a tag assigned to the resource. 
- The value of a tag assigned to the resource. 

For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 

```
</ul>"}
the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag</code>::<i>i</i>:<i>k</i>=<i>i</i>:<i>v</i>value</filter>. The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. If you want to list only resources where Purpose is `X`, see the `<code>tag</code>::<i>i</i>:<i>k</i>=<i>i</i>:<i>v</i>value</filter>. The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key= Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key `Purpose` (regardless of what the tag's value is), and the tag value `X` (regardless of what the tag's key is). If you want to list only resources where Purpose is `X`, see the `<code>tag</code>::<i>i</i>:<i>k</i>=<i>i</i>:<i>v</i>value</filter>. The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. If you want to list only resources where Purpose is `X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. Example, for the tag Purpose=`X`, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. Returns a reference to this object so that method calls can be chained together."/";
independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `\"tag-key=Purpose\"` and the filter `\"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>key</i>=<i>value</i>` filter. The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>vpc-peering-connection-id</code> - The ID of the VPC peering connection.</p> </li> </ul>

```java

"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>"
},
"xmlNameSpaceUri" : null
},
"VpcPeeringConnectionIds" : {
"c2jName" : "VpcPeeringConnectionIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.

"enumType" : null,
"fluentSetterDocumentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.

"getterDocumentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.

"getterMethodName" : "getVpcPeeringConnectionIds",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcPeeringConnectionId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "VpcPeeringConnectionId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
```
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 @param member
 @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
 @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
 @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionIds",
"setterDocumentation" : "/**
 One or more VPC peering connection IDs.
 Default: Describes all your VPC peering connections.

 Default: Describes all your VPC peering connections. */",
"setterMethodName" : "setVpcPeeringConnectionIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcPeeringConnectionIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 One or more VPC peering connection IDs.
 Default: Describes all your VPC peering connections.

 This method appends the values to the existing list (if any). Use [setVpcPeeringConnectionIds(java.util.Collection)] or [withVpcPeeringConnectionIds(java.util.Collection)] if you want to override the existing values.

 Default: Describes all your VPC peering connections.

 Returns a reference to this object so that method calls can be chained together. */"
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "vpcPeeringConnectionIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>",
 "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcPeeringConnectionsRequest",
"unmarshaller" : null,
"variable" : {
 "variableDeclarationType" : "DescribeVpcPeeringConnectionsRequest",
 "variableName" : "describeVpcPeeringConnectionsRequest",
 "variableType" : "DescribeVpcPeeringConnectionsRequest",
 "documentation" : null,
 "simpleType" : "DescribeVpcPeeringConnectionsRequest",
 "variableSetterType" : "DescribeVpcPeeringConnectionsRequest"
},
"wrapper" : false
},
"DescribeVpcPeeringConnectionsResult" : {
 "c2jName" : "DescribeVpcPeeringConnectionsResult",
 "customization" : {
 "artifactResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Contains the output of DescribeVpcPeeringConnections.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [
 "c2jName" : "VpcPeeringConnections",
 "c2jShape" : "VpcPeeringConnectionList",
 "deprecated" : false,
"documentation" : "<p>Information about the VPC peering connections.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connections.</p>
@param vpcPeeringConnections Information about the VPC peering connections.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withVpcPeeringConnections",
"getterDocumentation" : "/**<p>Information about the VPC peering connections.</p>
@return Information about the VPC peering connections.*/",
"getterMethodName" : "getVpcPeeringConnections",
"getterModel" : {
"returnType" : "java.util.List<VpcPeeringConnection>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcPeeringConnection",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>@param member @return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**<p>@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcPeeringConnection",
"documentation" : null
}
};
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "VpcPeeringConnection",
  "variableName": "member",
  "variableType": "VpcPeeringConnection",
  "documentation": "",
  "simpleType": "VpcPeeringConnection",
  "variableSetterType": "VpcPeeringConnection"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable": {
  "variableDeclarationType": "VpcPeeringConnection",
  "variableName": "member",
  "variableType": "VpcPeeringConnection",
  "documentation": "",
  "simpleType": "VpcPeeringConnection",
  "variableSetterType": "VpcPeeringConnection"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VpcPeeringConnection",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcPeeringConnection",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"templateType" : "java.util.List<VpcPeeringConnection>",

"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnections",
"setterDocumentation" : "/**<p>Information about the VPC peering connections.</p>
@param vpcPeeringConnections Information about the VPC peering connections.*/",
"setterMethodName" : "setVpcPeeringConnections",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
  "variableName" : "vpcPeeringConnections",
  "variableType" : "java.util.List<VpcPeeringConnection>",
  "documentation" : "",
  "simpleType" : "List<VpcPeeringConnection>",
  "variableSetterType" : "java.util.Collection<VpcPeeringConnection>"
},

"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connections.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setVpcPeeringConnections(java.util.Collection) or @link #withVpcPeeringConnections(java.util.Collection) if you want to override the existing values.</p>
@param vpcPeeringConnections Information about the VPC peering connections.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
  "variableName" : "vpcPeeringConnections",
  "variableType" : "java.util.List<VpcPeeringConnection>",
  "documentation" : "<p>Information about the VPC peering connections.</p>",
  "simpleType" : "List<VpcPeeringConnection>",
  "variableSetterType" : "java.util.Collection<VpcPeeringConnection>"
},

"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"VpcPeeringConnections" : {
"c2jName" : "VpcPeeringConnections",
"c2jShape" : "VpcPeeringConnectionList",
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connections.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connections.</p>
@param vpcPeeringConnections Information about the VPC peering connections.
@return Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri" : null
} },
**fluentSetterMethodName**: "withVpcPeeringConnections",
**getterDocumentation**: "/**<p>Information about the VPC peering connections.</p>
@return Information about the VPC peering connections.*/",
**getterMethodName**: "getVpcPeeringConnections",
**getterModel**: {
  **returnType**: "java.util.List<VpcPeeringConnection>",
  **documentation**: null
},
**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VpcPeeringConnectionSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "vpcPeeringConnectionSet",
  "uri": false
},
**idempotencyToken**: false,
**list**: true,
**listModel**: {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "VpcPeeringConnection",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "VpcPeeringConnection",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnection",
  "variableName" : "member",
  "variableType" : "VpcPeeringConnection",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnection",
  "variableSetterType" : "VpcPeeringConnection"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcPeeringConnection",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcPeeringConnection",​
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
"templateType" : "java.util.List<VpcPeeringConnection>",
"name" : "VpcPeeringConnections",
"setterDocumentation" : "Information about the VPC peering connections.*",
"setterMethodName" : "setVpcPeeringConnections",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
  "variableName" : "vpcPeeringConnections",
  "variableType" : "java.util.List<VpcPeeringConnection>",
  "documentation" : "",
  "simpleType" : "List<VpcPeeringConnection>",
  "variableSetterType" : "java.util.Collection<VpcPeeringConnection>"
},
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcPeeringConnection>",
  "variableName" : "vpcPeeringConnections",
  "variableType" : "java.util.List<VpcPeeringConnection>",
  "documentation" : "Information about the VPC peering connections.*",
  "simpleType" : "List<VpcPeeringConnection>",
  "variableSetterType" : "java.util.Collection<VpcPeeringConnection>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcPeeringConnectionsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeVpcPeeringConnectionsResult",
  "variableName" : "describeVpcPeeringConnectionsResult",
  "variableType" : "DescribeVpcPeeringConnectionsResult",
  "documentation" : null,
  "simpleType" : "DescribeVpcPeeringConnectionsResult"}
"variableSetterType" : "DescribeVpcPeeringConnectionsResult",
"wrapper" : false
},
"DescribeVpcsRequest" : {
  "c2jName" : "DescribeVpcsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpcs.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DescribeVpcs",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "VpcIds",
    "c2jShape" : "VpcIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more VPC IDs.</p> Default: Describes all your VPCs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more VPC IDs.</p> Default: Describes all your VPCs.</p>
    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n...
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "){//*
      @param member \n      @return Returns a reference to this object so that method calls can be chained together.*}/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/***/\n      @return @return Returns a reference to this object so that method calls can be chained together.*}/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VpcId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VpcId",
      "uri" : false
    },
    "idempotencyToken" : false,
"variableName" : "vpcIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPC IDs.</p><p>Default: Describes all your VPCs.</p><p>NOTE: This method appends the values to the existing list (if any). Use { @link #setVpcIds(java.util.Collection)} or { @link #withVpcIds(java.util.Collection)} if you want to override the existing values.</p><p>@param vpcIds One or more VPC IDs.</p><p>Default: Describes all your VPCs.</p><p>@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "vpcIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more VPC IDs. Default: Describes all your VPCs."
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </li>
<li> <code>dhcp-options-ids</code> - The ID of a set of DHCP options. </li>
<li> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </li>
<li> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </li>
<li> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC. </li>
<li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </li>
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </li>
<li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </li>
</ul>"
<code>/28</code>.</p>  
<li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options.</p>  
<li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.</p>  
<li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.</p>  
<li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</p>  
<li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC.</p>  
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p>  
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p>  
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>  
<li> <p> <code>vpc-id</code> - The ID of the VPC.</p>  
</li>
</ul>

@return Returns a reference to this object so that method calls can be chained together.*/
combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</p> <li> <p> The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XVI\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>tag-key</i>=<i>tag-value</i>` filter.</p> </li> <li> <p> The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=XVI\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>:<i>tag-key</i>=<i>tag-value</i>` filter.</p> </li> <li> <p> The ID of the VPC.</p> </li> </ul>

@return One or more filters.

```java
getterMethodName" : "getFilters",
"getterModel" : {
  "returnType" : "java.util.List<Filter>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
```
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\@param member
\@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Filter",
      "variableName" : "member",
      "variableType" : "Filter",
      "documentation" : ""
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Filter",
"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>"
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p> </li> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </p> </li> <li> <p> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC. </p> </li> <li> <p> <code>isDefault</code> - Indicates whether the VPC is the default VPC. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> 
</ul> */
}
<code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </li>  
<li> <code>vpc-id</code> - The ID of the VPC. </li>  
*/
</ul>
</li>  
<li> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </li>  
<li> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </li>  
<li> <code>vpc-id</code> - The IPv4 CIDR block associated with the VPC. </li>  
<li> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </li>  
<li> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </li>  
<li> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC. </li>  
<li> <code>isDefault</code> - Indicates whether the VPC is the default VPC. </li>  
<li> <code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </li>  
<li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </li>  
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </li>  
<li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=XY", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter. - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. - The ID of the VPC. - The state of the VPC (<code>pending</code> | <code>available</code>). - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. - The ID of the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). - An IPv6 CIDR block associated with the VPC. - The association ID for an IPv6 CIDR block associated with the VPC. - The state of an IPv6 CIDR block associated with the VPC. - Indicates whether the VPC is the default VPC. - The IPv4 CIDR block of the VPC. - The IPv4 CIDR block of the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). - An IPv6 CIDR block associated with the VPC. - The association ID for an IPv6 CIDR block associated with the VPC. - The state of an IPv6 CIDR block associated with the VPC. - Indicates whether the VPC is the default VPC. - The state of the VPC (<code>pending</code> | <code>available</code>). - Indicates whether the VPC is the default VPC. - The ID of the VPC. - The ID of the VPC.

```java
@variable {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."}

@variable
```
"simpleType" : "List<Filter>",
"variableSetterType" : "java.util.Collection<Filter>
"
"xmlnsNameSpaceUri" : null
",
"membersAsMap" : {
  "Filters" : {
    "c2jName" : "Filters",
    "c2jShape" : "FilterList",
    "deprecated" : false,
    "documentation" : "One or more filters.<p> <ul><li> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).<p> <li> <code>dhcp-options-id</code> - The ID of a set of DHCP options.<p> <li> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC.<p> <li> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.<p> <li> <code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.<p> <li> <code>isDefault</code> - Indicates whether the VPC is the default VPC.<p> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>One or more filters.<p> <ul><li> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>).<p>
"pending"
"available"
"state"
"cidr"
"dhcp-options-id"
"ipv6-cidr-block-association.ipv6-cidr-block"
"ipv6-cidr-block-association.association-id"
"ipv6-cidr-block-association.state"
"isDefault"
"tag:attribute"<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
"tag-key" - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
"tag-value" - The value of a tag assigned to the resource. 
"state" - The state of the VPC (<code>pending</code> | <code>available</code> | <code>state</code> | <code>cidr</code> | <code>dhcp-options-id</code>>
"cidr"
"pending"
"available"
"state"
tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. */

```java
public List<Vpc> filterVpcsUsingTag(String key, String value) {
    filters.add(new TagFilter(key, value));
    return getVpcs();
}
```

The <code>tag-key</code> filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "$tag-key=Purpose$" and the filter "$tag-value=X$", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the

```java
public List<Vpc> filterVpcsUsingTag(String key, String value) {
    filters.add(new TagFilter(key, value));
    return getVpcs();
}
```

The state of the VPC (<code>pending</code> | <code>available</code>). */

```java
public List<Vpc> filterVpcsByState(String state) {
    filters.add(new StateFilter(state));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByAssociationId(String associationId) {
    filters.add(new AssociationIdFilter(associationId));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByAssociationState(String state) {
    filters.add(new AssociationStateFilter(state));
    return getVpcs();
}
```

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify 

```java
public List<Vpc> filterVpcsByTagKey(String key, String value) {
    filters.add(new TagKeyFilter(key, value));
    return getVpcs();
}
```

The ID of the VPC.

```java
public List<Vpc> filterVpcsByVpcId(String vpcId) {
    filters.add(new VpcIdFilter(vpcId));
    return getVpcs();
}
```

The ID of the set of DHCP options.

```java
public List<Vpc> filterVpcsByDhcpOptionsId(String dhcpOptionsId) {
    filters.add(new DhcpOptionsIdFilter(dhcpOptionsId));
    return getVpcs();
}
```

The IPv4 CIDR block of the VPC.

```java
public List<Vpc> filterVpcsByIpv4CidrBlock(String ipv4CidrBlock) {
    filters.add(new Ipv4CidrBlockFilter(ipv4CidrBlock));
    return getVpcs();
}
```

The IPv6 CIDR block of the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlock(String ipv6CidrBlock) {
    filters.add(new Ipv6CidrBlockFilter(ipv6CidrBlock));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlockAssociationId(String associationId) {
    filters.add(new Ipv6CidrBlockAssociationIdFilter(associationId));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlockAssociationState(String state) {
    filters.add(new Ipv6CidrBlockAssociationStateFilter(state));
    return getVpcs();
}
```

The state of an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByState(String state) {
    filters.add(new StateFilter(state));
    return getVpcs();
}
```

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify 

```java
public List<Vpc> filterVpcsByTagKey(String key, String value) {
    filters.add(new TagKeyFilter(key, value));
    return getVpcs();
}
```

The ID of the VPC.

```java
public List<Vpc> filterVpcsByVpcId(String vpcId) {
    filters.add(new VpcIdFilter(vpcId));
    return getVpcs();
}
```

The ID of the set of DHCP options.

```java
public List<Vpc> filterVpcsByDhcpOptionsId(String dhcpOptionsId) {
    filters.add(new DhcpOptionsIdFilter(dhcpOptionsId));
    return getVpcs();
}
```

The IPv4 CIDR block of the VPC.

```java
public List<Vpc> filterVpcsByIpv4CidrBlock(String ipv4CidrBlock) {
    filters.add(new Ipv4CidrBlockFilter(ipv4CidrBlock));
    return getVpcs();
}
```

The IPv6 CIDR block of the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlock(String ipv6CidrBlock) {
    filters.add(new Ipv6CidrBlockFilter(ipv6CidrBlock));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlockAssociationId(String associationId) {
    filters.add(new Ipv6CidrBlockAssociationIdFilter(associationId));
    return getVpcs();
}
```

The association ID for an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByIpv6CidrBlockAssociationState(String state) {
    filters.add(new Ipv6CidrBlockAssociationStateFilter(state));
    return getVpcs();
}
```

The state of an IPv6 CIDR block associated with the VPC.

```java
public List<Vpc> filterVpcsByState(String state) {
    filters.add(new StateFilter(state));
    return getVpcs();
}
```
<li><p><code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.</p></li><li><p><code>isDefault</code> - Indicates whether the VPC is the default VPC.</p></li><li><p><code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>). </p></li><li><p><code>tag:<i>key</i>=<i>value</i></code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>value</code> for the filter value.</p></li><li><p><code>tag-key</code> - - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p></li><li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p></li><li><p><code>vpc-id</code> - The ID of the VPC.</p></li>
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Filter",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Filter",
  "variableName" : "member",
  "variableType" : "Filter",
  "documentation" : "",
  "simpleType" : "Filter",
  "variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>cidr</code> - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p> </li> <li> <p> <code>dhcp-options-id</code> - The ID of a set of DHCP options. </p> </li> <li> <p> <code>ipv6-cidr-block-association.ipv6-cidr-block</code> - An IPv6 CIDR block associated with the VPC. </p> </li> <li> <p> <code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC. </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>QObject</code> for the filter value. Must contain the slash followed by one or two digits (for example, <code>/28</code>). </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC. </p> </li> </ul>
@param filters One or more filters.

*templateImplType* : "com.amazonaws.internal.SdkInternalList<Filter>",
*templateType* : "java.util.List<Filter>"
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For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag-value".

The value of a tag assigned to the resource. This filter is independent of the "tag-key" filter. If you want to list only resources where Purpose is X, see the "tag-key" filter.

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

Indicates whether the VPC is the default VPC.

The ID of the VPC. The IPv4 CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).

The ID of a set of DHCP options.

An IPv6 CIDR block associated with the VPC.

The association ID for an IPv6 CIDR block associated with the VPC.

The state of an IPv6 CIDR block associated with the VPC.

Indicates whether the VPC is the default VPC.

The state of the VPC (pending | available).

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

The key of a tag assigned to the resource. This filter is independent of the "tag-value" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag-key".

The value of a tag assigned to the resource. This filter is independent of the "tag-key" filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag-key".

The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

Indicates whether the VPC is the default VPC.

The state of the VPC.

One or more filters.

The ID of the VPC.

The ID of a set of DHCP options.

An IPv6 CIDR block associated with the VPC.

The association ID for an IPv6 CIDR block associated with the VPC.

The state of an IPv6 CIDR block associated with the VPC.

Indicates whether the VPC is the default VPC.

The state of the VPC.
the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value. 

- **tag-key** - The key of a tag assigned to the resource. This filter is independent of the **tag-value** filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the `<code>tag:Purpose</code>` filter.

- **tag-value** - The value of a tag assigned to the resource. This filter is independent of the **tag-key** filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the `<code>tag:Purpose</code>` filter.

The ID of the VPC. 

- **vpc-id** - The ID of the VPC.

```java
@variable {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
    "variableName" : "filters",
    "variableType" : "java.util.List<Filter>",
    "documentation" : "One or more filters."
}
```

- **cidr** - The IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC’s CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, `/28`).

- ** dhcp-options-id** - The ID of a set of DHCP options.

- ** ipv6-cidr-block** - An IPv6 CIDR block associated with the VPC.

- ** ipv6-cidr-block-association.association-id** - The association ID for an IPv6 CIDR block associated with the VPC.

- ** ipv6-cidr-block-association.state** - The state of an IPv6 CIDR block associated with the VPC.

- ** isDefault** - Indicates whether the VPC is the default VPC.

- ** available** - The state of the VPC (<code>pending</code> | <code>available</code>).

- ** tag-key** - The key of a tag assigned to the resource. This filter is independent of the **tag-value** filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the **tag-key=Purpose** filter.

- ** tag-value** - The value of a tag assigned to the resource. This filter is independent of the **tag-key** filter. For example, if you use both the filter `tag-key=Purpose` and the filter `tag-value=X`, you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the **tag-key=Purpose** filter.
"getterDocumentation" : "/**<p>One or more VPC IDs.
<p>Default: Describes all your VPCs.</p>\n@return One or more VPC IDs.
<p>Default: Describes all your VPCs.*/",
"getterMethodName" : "getVpcIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "VpcId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "VpcIds",
"setterDocumentation" : "/**<p>One or more VPC IDs.</p>
 Default: Describes all your VPCs.</p>
@param vpcIds One or more VPC IDs.</p>
Default: Describes all your VPCs.*/",
"setterMethodName" : "setVpcIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more VPC IDs.</p>
 Default: Describes all your VPCs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
#setVpcIds(java.util.Collection)} or { @link #withVpcIds(java.util.Collection)} if you want to override the existing values.</p>
@param vpcIds One or more VPC IDs.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "vpcIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPC IDs.</p>
 Default: Describes all your VPCs.</p>
 "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeVpcsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeVpcsRequest",
  "variableName" : "describeVpcsRequest",
  "variableType" : "DescribeVpcsRequest",
  "documentation" : null,
  "simpleType" : "DescribeVpcsRequest",
  "variableSetterType" : "DescribeVpcsRequest"
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"wrapper" : false
}
"DescribeVpcsResult" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeVpcs.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
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            "c2jName" : "Vpcs",
            "c2jShape" : "VpcList",
            "deprecated" : false,
            "documentation" : "<p>Information about one or more VPCs.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>Information about one or more VPCs.</p>
@param vpcs Information about one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withVpcs",
            "getterDocumentation" : "/**<p>Information about one or more VPCs.</p>
@return Information about one or more VPCs.*/",
            "getterMethodName" : "getVpcs",
            "getterModel" : {
                "returnType" : "java.util.List<Vpc>",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocationName" : "VpcSet",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "vpcSet",
                "uri" : false
            }
        }
    ]
}
"documentation": "",
"simpleType": "Vpc",
"variableSetterType": "Vpc"
},
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"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"variableType": "Vpc",
"documentation": "",
"simpleType": "Vpc",
"variableSetterType": "Vpc"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Vpc",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Vpc",
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"templateType": "java.util.List<Vpc>",
"map": false,
"mapModel": null,
"name": "Vpcs",
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"setterMethodName": "setVpcs",
"setterModel": {
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"variableName": "vpcs",
"variableType": "java.util.List<Vpc>",
"documentation": "",
"simpleType": "List<Vpc>",
"variableSetterType": "java.util.Collection<Vpc>",
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more VPCs.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { {@link #setVpcs(java.util.Collection)} } or { {@link #withVpcs(java.util.Collection)} } if you want to override the existing values.*/",
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}
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  "c2jShape" : "Vpc",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Vpc",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**
   * @param member */",
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  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "Vpc",
    "documentation" : "",
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    "variableSetterType" : "Vpc"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
method calls can be chained together.*/*

```java
"variable" : {
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    "variableType" : "Vpc",
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    "variableSetterType" : "Vpc"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "Vpc",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Vpc",
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"templateType" : "java.util.List<Vpc>"
},
"map" : false,
"mapModel" : null,
"name" : "Vpcs",
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@param vpcs Information about one or more VPCs.*/",
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"setterModel" : {
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    "variableName" : "vpcs",
    "variableType" : "java.util.List<Vpc>",
    "documentation" : "",
    "simpleType" : "List<Vpc>",
    "variableSetterType" : "java.util.Collection<Vpc>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more VPCs.</p>
@NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setVpcs(java.util.Collection)} or {@link #withVpcs(java.util.Collection)} if you want to override the existing values.<p>
@param vpcs Information about one or more VPCs.
@return Returns a reference to this object so that method calls can be chained together.*/*

```
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  "resultWrapper" : null
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  "variableName" : "describeVpcsResult",
  "variableType" : "DescribeVpcsResult",
  "documentation" : null,
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  "variableSetterType" : "DescribeVpcsResult"
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"wrapper" : false
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    "artificialResultWrapper" : null,
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpnConnections.</p>",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [

"c2jName" : "VpnConnectionIds",
"c2jShape" : "VpnConnectionIdStringList",
"deprecated" : false,
"documentation" : "<p>One or more VPN connection IDs. Default: Describes your VPN connections.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more VPN connection IDs. Default: Describes your VPN connections.</p>
@<param><b>vpnConnectionIds</b> One or more VPN connection IDs.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnConnectionIds",
"getterDocumentation" : "/**<p>One or more VPN connection IDs. Default: Describes your VPN connections.</p>
@return One or more VPN connection IDs.*/",
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"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
"uri" : false
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"c2jShape" : "String",
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"documentation" : "",
"enumType" : null,
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"getterDocumentation" : "/**<return />
"}
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnConnectionId",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "VpnConnectionId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "VpnConnectionIds",
"setterDocumentation" : /**<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN
connections.</p>\n@param vpnConnectionIds One or more VPN connection IDs.</p> <p>Default: Describes your
VPN connections.</p>*/",
"setterMethodName" : "setVpnConnectionIds",
"setterModel" : {
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  "variableName" : "vpnConnectionIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  
},
"simple" : false,
"varargSetterDocumentation" : /**<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN
connections.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use
{@link #setVpnConnectionIds(java.util.Collection)} or @{link #withVpnConnectionIds(java.util.Collection)} if
you want to override the existing values.</p>\n@param vpnConnectionIds One or more VPN connection IDs.</p> <p>Default: Describes your
VPN connections.\n@return Returns a reference to this object so that method calls can
be chained together.*/",
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  "variableName" : "vpnConnectionIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN
connections.</p>
"simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Filters",
"c2jShape" : "FilterList"
"deprecated": false,
"documentation": "One or more filters.
- The configuration information for the customer gateway.
- The ID of a customer gateway associated with the VPN connection.
- The state of the VPN connection.
- The ID of a customer gateway associated with the VPN connection.
- The state of the VPN connection.
- The destination CIDR block.
- The BGP Autonomous System Number (ASN) associated with a BGP device.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The value of a tag assigned to the resource. This filter is independent of the tag key.
- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.
- The ID of a virtual private gateway associated with the VPN connection.

@<ul>
<li> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</li>
<li> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</li>
<li> <code>state</code> - The state of the VPN connection.</li>
<li> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</li>
<li> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</li>
<li> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</li>
<li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the tag key.
- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.
- The ID of the VPN connection.
- The ID of a virtual private gateway associated with the VPN connection.

@param filters One or more filters.
- The configuration information for the customer gateway.
- The ID of a customer gateway associated with the VPN connection.
- The state of the VPN connection.
- The ID of a customer gateway associated with the VPN connection.
- The state of the VPN connection.
- The destination CIDR block.
- The BGP Autonomous System Number (ASN) associated with a BGP device.
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
- The value of a tag assigned to the resource. This filter is independent of the tag key.
- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.
- The ID of the VPN connection.
<code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.

- The ID of the VPN connection.

```
getterMethodName" : "getFilters",
"getterModel" : {
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  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Filter",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Filter",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withMember",
```

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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Filter",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"simple" : false,
"varargSetterDocumentation" : "/*
\n@return Returns a reference to this object so that
method calls can be chained together.*\n*/",
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
}.}
"xmlNameSpaceUri" : null,
},
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"memberType" : "Filter",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>",
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**
One or more filters.</p> <ul>
<li> <p> <code>customer-gateway-
configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> </li> <li> <p> <code>available</code> - The state of the VPN connection (pending | available | deleting | deleted).
</p> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter. For example, if you use the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag-value</code> filter.</p> </li> <li> <p> <code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection.</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</p> </li> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <p> <code>available</code> - The state of the VPN connection (pending | available | deleting | deleted).
</p> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center.</p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the

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resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter. 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>. 

- The ID of a virtual private gateway associated with the VPN connection. 

- Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). 

- The destination CIDR block. This corresponds to the subnet used in a customer data center. 

- The BGP Autonomous System Number (ASN) associated with a BGP device. 

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:tag:Purpose</code> for the filter name and <code>X</code> for the filter value. 

- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:tag</code>:<i>key</i>=<i>value</i> filter. 

- The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. 

- The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>. 

- The ID of the VPN connection. 

- The ID of a virtual private gateway associated with the VPN connection. 

- The configuration information for the customer gateway. 

- The ID of a customer gateway associated with the VPN connection.
"xmlnsSpaceUri": null
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"membersAsMap": {
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"c2jShape": "FilterList",
"deprecated": false,
"documentation": "<p>One or more filters.</p>
<ul>
<li><code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</li>
<li><code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</li>
<li><code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li>
<li><code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</li>
<li><code>vpn-connection-id</code> - The ID of the VPN connection.</li>
<li><code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</li>
</ul>
"enumType": null,
"fluentSetterDocumentation": "*/**<p>One or more filters.</p>
<ul>
<li><code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</li>
<li><code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</li>
<li><code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li>
<li><code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
"
The type of VPN connection. Currently the only supported type is IPSEC.1.  - The ID of the VPN connection.  - The ID of a virtual private gateway associated with the VPN connection.

The destination CIDR block. This corresponds to the subnet used in a customer data center.  - The BGP Autonomous System Number (ASN) associated with a BGP device.  - The BGP Autonomous System Number (ASN) associated with a BGP device.  - The ID of a virtual private gateway associated with the VPN connection.
configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> </li> <li> <p> <code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> </li> <li> <p> <code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li> <li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li> <li> <p> <code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag "Purpose=X", specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key "Purpose" (regardless of what the tag's value is), and the tag value "X" (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key "Purpose" (regardless of what the tag's value is), and the tag value "X" (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</p> </li> <li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection.</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</p> </li>
"c2jShape": "Filter",
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"documentation": "",
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@return Returns a reference to this object so that
method calls can be chained together. */",
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"getterDocumentation": "\n\n@return */",
"getterMethodName": "getMember",
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"documentation": null
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
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"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "\n\n@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableName": "member",
"variableType": "Filter",
"documentation": "",
"simpleType": "Filter",
"variableSetterType": "Filter"
},
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@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableName" : "member",
"variableType" : "Filter",
"documentation" : "",
"simpleType" : "Filter",
"variableSetterType" : "Filter"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Filter",
"memberType" : "Filter",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Filter",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType" : "java.util.List<Filter>
},
"map" : false,
"mapModel" : null,
"name" : "Filters",
"setterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>customer-gateway-configuration</code> - The configuration information for the customer gateway.</p> </li> <li> <p> <code>customer-gateway-id</code> - The ID of a customer gateway associated with the VPN connection.</p> </li>
<li> <p> <code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). </p> </li>
<li> <p> <code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li>
<li> <p> <code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>.</p> </li>
<li> <p> <code>vpn-connection-id</code> - The ID of the VPN connection.</p> </li>
<li> <p> <code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.</p> </li>
</ul>
@param filters One or more filters.
<li><p><code>state</code> - The state of the VPN connection (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). </p></li>
<li><p><code>option.static-routes-only</code> - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP). </p></li>
<li><p><code>route.destination-cidr-block</code> - The destination CIDR block. This corresponds to the subnet used in a customer data center. </p></li>
<li><p><code>bgp-asn</code> - The BGP Autonomous System Number (ASN) associated with a BGP device. </p></li>
<li><p><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p></li>
<li><p><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p></li>
<li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p></li>
<li><p><code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec.1</code>. </p></li>
<li><p><code>vpn-connection-id</code> - The ID of the VPN connection. </p></li>
<code>ipsec.1</code>.<br> <br>**NOTE:** This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.<p><br/></p>

```java
@Param(overrides=filters)
```
<code>type</code> - The type of VPN connection. Currently the only supported type is <code>ipsec</code>.

<code>vpn-connection-id</code> - The ID of the VPN connection.

<code>vpn-gateway-id</code> - The ID of a virtual private gateway associated with the VPN connection.

```
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"variableSetterType": "java.util.Collection<Filter>",
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  "deprecated": false,
  "documentation": "One or more VPN connection IDs. Default: Describes your VPN connections.",
  "enumType": null,
  "fluentSetterDocumentation": "One or more VPN connection IDs. Default: Describes your VPN connections.\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation": "One or more VPN connection IDs. Default: Describes your VPN connections.\n@return One or more VPN connection IDs.`
```
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  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpnConnectionId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpnConnectionId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "setterMethodName" : "setMember",
  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
method calls can be chained together. */

    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },

    "xmlNameSpaceUri" : null,

    "memberLocationName" : "VpnConnectionId",

    "memberType" : "String",

    "map" : false,

    "marshallNonAutoConstructedEmptyLists" : false,

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    "memberAdditionalUnmarshallingPath" : null,

    "sendEmptyQueryString" : false,

    "simple" : true,

    "simpleType" : "String",

    "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",

    "templateType" : "java.util.List<String>",

    "map" : false,

    "mapModel" : null,

    "name" : "VpnConnectionIds",

    "setterDocumentation" : "/**

    <p>One or more VPN connection IDs.</p>

    <p>Default: Describes your VPN connections.</p>

    @param vpnConnectionIds One or more VPN connection IDs.

    <p>Default: Describes your VPN connections.</p>

    @return Returns a reference to this object so that method calls can be chained together. */

    "variable" : {

      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",

      "variableName" : "vpnConnectionIds",

      "variableType" : "java.util.List<String>",

      "documentation" : "",

      "simpleType" : "List<String>",

      "variableSetterType" : "java.util.Collection<String>",

    }

    "simple" : false,

    "varargSetterDocumentation" : "/**

    <p>One or more VPN connection IDs.</p>

    <p>Default: Describes your VPN connections.</p>\n<br/>

    @param vpnConnectionIds One or more VPN connection IDs.

    <p>Default: Describes your VPN connections.</p>\n@return Returns a reference to this object so that method calls can be chained together. */

    "variable" : {

      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",

      "variableName" : "vpnConnectionIds",

      "variableType" : "java.util.List<String>",

      "documentation" : "",

      "simpleType" : "List<String>",

      "variableSetterType" : "java.util.Collection<String>",

    }

    "simple" : false,
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more VPN connection IDs.</p> <p>Default: Describes your VPN connections.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
},
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"requestSignerClassFqcn" : null,
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"unmarshaller" : null,
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"variableName" : "describeVpnConnectionsRequest",
"variableType" : "DescribeVpnConnectionsRequest",
"documentation" : null,
"simpleType" : "DescribeVpnConnectionsRequest",
"variableSetterType" : "DescribeVpnConnectionsRequest"
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},
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpnConnections.</p>"
,"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [
"c2jName" : "VpnConnections",
"c2jShape" : "VpnConnectionList",
"deprecated" : false,
"documentation" : "<p>Information about one or more VPN connections.</p>"
,"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more VPN connections.</p>\n@param

vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.*}/
   "fluentSetterMethodName" : "withVpnConnections",
   "getterDocumentation" : "/**\n\tInformation about one or more VPN connections.
\n\t@return Information about one or more VPN connections.*/",
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      "documentation" : null
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      "uri" : false
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      "interfaceType" : "java.util.List",
      "listMemberModel" : {
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         "c2jShape" : "VpnConnection",
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      "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableSetterType": "java.util.Collection<VpnConnection>
",
"simple": false,
"varargSetterDocumentation": "/**<p>Information about one or more VPN connections.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVpnConnections(java.util.Collection)} or { @link #withVpnConnections(java.util.Collection)} if you want to override the existing values.</p>

@param vpnConnections Information about one or more VPN connections.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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",
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@param vpnConnections Information about one or more VPN connections.

@return Returns a reference to this object so that method calls can be chained together.
*/",
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@return Information about one or more VPN connections.
*/
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      "documentation" : null
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      "queryString" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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      "enumType": null,
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        "documentation": null
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    }
  ]
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method calls can be chained together.*/",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "vpnGatewayIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null},
"c2jName" : "Filters",
"c2jShape" : "FilterList",
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li>
<li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC. </p> </li>
<li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable). </p> </li>
<li> <p> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). </p> </li>
<li> <p> <code>tag:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. </p> </li>
<li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>. </p> </li>
<li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway. </p> </li>
</ul>"
- The current state of the attachment between the gateway and the VPC (attaching|detaching|detached).<code></code>
- The Availability Zone for the virtual private gateway (if applicable).<code></code>
- The state of the virtual private gateway (pending|available|deleting|deleted).<code></code>
- The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>inf</code> for the filter value.<code></code>
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<code></code>
- The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.<code></code>
- The ID of the virtual private gateway.<code></code>
- The ID of the attached VPC.<code></code>
- The Availability Zone of the virtual private gateway (if applicable).<code></code>
- The state of the attached VPC.<code></code>
- The ID of an attached VPC.<code></code>
- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>inf</code> for the filter value.<code></code>
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.<code></code>
- The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.<code></code>
- The ID of the virtual private gateway.<code></code>
- The ID of the attached VPC.<code></code>
- The Availability Zone of the virtual private gateway (if applicable).<code></code>
- The state of the attached VPC.<code></code>
- The ID of an attached VPC.<code></code>
- The Availability Zone of the virtual private gateway (if applicable).<code></code>
- The state of the virtual private gateway (pending|available|deleting|deleted).<code></code>
- The value of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>inf</code> for the filter value.<code></code>
- The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose
(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> <li><p><code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> <li><p><code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> <li><p><code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (attaching | detached | available | deleting | deleted).</p> <li><p><code>attachment.vpc-id</code> - The ID of an attached VPC.</p> <li><p><code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> <li><p><code>state</code> - The state of the virtual private gateway (pending | available | deleting | deleted).</p> <li><p><code>tag-key</code> - The key of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, use the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p><code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> <li><p><code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> <li><p><code>returnOneOrMoreFilters</code> - Return one or more filters.</p> <li><p><code>tag-key</code> - The key of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> <li><p><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p>
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   @return Returns a reference to this object so that method calls can be chained together. */",
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  "getterDocumentation" : "/**
   @return */",
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   @return Returns a reference to this object so that method calls can be chained together. */",
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    "documentation" : 
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    "variableSetterType" : "Filter"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**
   @param member
   @return Returns a reference to this object so that method calls can be chained together. */"
}
method calls can be chained together.*/*

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"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>",
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**<p>One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li> <li> <p> <code>state</code> - The state of the virtual private gateway ( <code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code> ).</p> </li> <li> <p> <code>tag:Key</code>=<code>value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and X for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "<code>tag-key=Purpose</code>" and the filter "<code>tag-value=X</code>", you get any resources assigned both the tag key Purpose (regardless of what the tag’s value is), and the tag value X (regardless of what the tag’s key is). If you want to list only resources where Purpose is X, see the <code>code</code> tag:<code>Key</code>=<code>value</code> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>code</code> ipsec.1.</p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li> <li> <p> <code>In@param filters One or more filters.</p> </li> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable). </p> </li>
"setterMethodName" : "setFilters",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName" : "filters",
  "variableType" : "java.util.List<Filter>",
  "documentation" : "",
  "simpleType" : "List<Filter>",
  "variableSetterType" : "java.util.Collection<Filter>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
*p One or more filters.
<p> <ul>
<li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).</p> </li>
<li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li>
<li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</p> </li>
<li> <p> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</p> </li>
<li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li>
<li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li>
*/
</ul>

</p>

Optional filters:

- <code>state</code>: The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li>
<li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li>
*/
</ul>

Optional filters:

- <code>state</code>: The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).<p> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<p> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li>
<li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</p> </li>
<li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</p> </li>
*/

Note: This method appends the values to the existing list (if any). Use { @link #setFilters(java.util.Collection) } or { @link #withFilters(java.util.Collection) } if you want to override the existing values.
state of the virtual private gateway: `<code>attachment.state</code>` - The current state of the attachment between the gateway and the VPC (`<code>attaching</code> | `<code>attached</code> | `<code>detaching</code> | `<code>detached</code>`).

- `<code>attachment.vpc-id</code>` - The ID of an attached VPC.

- `<code>availability-zone</code>` - The Availability Zone for the virtual private gateway (if applicable).

- `<code>state</code>` - The state of the virtual private gateway (`<code>pending</code> | `<code>available</code> | `<code>deleting</code> | `<code>deleted</code>`).

- `<code>tag</code>`: `<i>key</i>`=`<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- `<code>type</code>` - The type of virtual private gateway. Currently the only supported type is `<code>ipsec.1</code>`.

- `<code>vpn-gateway-id</code>` - The ID of the virtual private gateway.

```
@<p> Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Filter>",
  "variableName": "filters",
  "variableType": "java.util.List<Filter>",
  "documentation": "One or more filters.

- `<code>attachment.state</code>` - The current state of the attachment between the gateway and the VPC (`<code>attaching</code> | `<code>attached</code> | `<code>detaching</code> | `<code>detached</code>`).

- `<code>attachment.vpc-id</code>` - The ID of an attached VPC.

- `<code>availability-zone</code>` - The Availability Zone for the virtual private gateway (if applicable).

- `<code>state</code>` - The state of the virtual private gateway (`<code>pending</code> | `<code>available</code> | `<code>deleting</code> | `<code>deleted</code>`).

- `<code>tag</code>`: `<i>key</i>`=`<i>value</i>` - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.

- `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose"` and the filter `"tag-value=X"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.

- `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.

- `<code>type</code>` - The type of virtual private gateway. Currently the only supported type is `<code>ipsec.1</code>`.

- `<code>vpn-gateway-id</code>` - The ID of the virtual private gateway.

```
```
<code>attachment.state</code> - The current state of the attachment between the gateway and the VPC. 
</li> <li> <code>attachment.vpc-id</code> - The ID of an attached VPC.</li> <li> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable).</li> <li> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li> <li> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li> <li> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li> <li> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-value PURPOSE=X" and the filter "tag-key=NAME", you get any resources assigned both the tag value PURPOSE (regardless of what the tag's value is), and the tag key NAME (regardless of what the tag's key is). If you want to list only resources where PURPOSE is X, see the <code>tag-value</code> filter.</li> <li> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</li> <li> <code>vpn-gateway-id</code> - The ID of the virtual private gateway.</li> </ul>

"<code>attaching</code> | <code>detached</code> | <code>attached</code> | <code>availability-zone</code> | <code>state</code> | <code>tag</code>:<i>key</i>=<i>value</i> | <code>tag-key</code> | <code>tag-value</code> | <code>type</code> | <code>vpn-gateway-id</code>"

One or more filters.</p></li></ul>

- The current state of the attachment between the gateway and the VPC is <code>attaching</code>.
- The ID of an attached VPC is <code>attachment.vpc-id</code>.
- The Availability Zone for the virtual private gateway is <code>availability-zone</code>.
- The state of the virtual private gateway is <code>state</code>.
- The key/value combination of a tag assigned to the resource is <code>tag</code>:<i>key</i>=<i>value</i>.
- The key of a tag assigned to the resource is <code>tag-key</code>.
- The value of a tag assigned to the resource is <code>tag-value</code>.
- The type of virtual private gateway is <code>type</code>.
- The ID of the virtual private gateway is <code>vpn-gateway-id</code>.

If you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.
<code>tag</code>:::<i>key</i>==<i>value</i> filter. Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withFilters",
"getterDocumentation" : "/**<p>One or more filters.</p> <ul> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:::<i>key</i>==<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value. */
</i> <li> <p> <i>attachment.state</i> - The current state of the attachment between the gateway and the VPC (see <code>attachment</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). */
</i> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC. */
</i> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable). */
</i> <li> <p> <code>state</code> - The state of the virtual private gateway (see <code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). */
</i> <li> <p> <code>tag</code>::<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value. */
</i> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>==<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value. */
</i> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>==<i>value</i> filter. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>tag:X</code> for the filter value. */
</i> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>. */
</i> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway. */
</i> <li> <p> @return One or more filters.
</p>

"getterMethodName" : "getFilters",
"getterModel" : {
"returnType" : "java.util.List<Filter>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Filter",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Filter",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Filter",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Filter",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Filter",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Filter",
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  }
}
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
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"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code>)</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - 

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Filter",
  "variableName": "member",
  "variableType": "Filter",
  "documentation": "",
  "simpleType": "Filter",
  "variableSetterType": "Filter"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "Filter",
"memberType": "Filter",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Filter",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Filter>",
"templateType": "java.util.List<Filter>"
},
"map": false,
"mapModel": null,
"name": "Filters",
"setterDocumentation": "/**
One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code>)</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - 

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
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One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code>)</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - 

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One or more filters.</p> <ul> <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code>)</p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC.</p> </li> <li> <p> <code>availability-zone</code> - 

"idempotencyToken": false,
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- The Availability Zone for the virtual private gateway (if applicable).<p></p></li><li><p>state</p> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li></p></li><li><p>tag</p> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>name=Virtual Private Gateway</code> for the filter value.<p></p></li><li><p>state</p> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>).</li></p></li><li><p>tag</p>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li></p></li><li><p>tag-key</p> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.</li></p></li><li><p>tag-value</p> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li></p></li><li><p>type</p> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</li></p></li><li><p>attachment.state</p> - The current state of the attachment between the gateway and the VPC.</li></p></li><li><p>attachment.vpc-id</p> - The ID of the VPC attached to the virtual private gateway.</li></p></li><li><p>availability-zone</p> - The Availability Zone for the virtual private gateway (if applicable).</li></p></li><li><p>tag</p>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>name=Virtual Private Gateway</code> for the filter value.</li></p></li><li><p>tag-key</p> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.</li></p></li><li><p>tag-value</p> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li></p></li><li><p>type</p> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</li></p></li><li><p>vpn-gateway-id</p> - The ID of the virtual private gateway.</li></p></ul><p>}</p></li><li><p>@param filters One or more filters.</p></li><ul><li><p>attachment.state</p> - The current state of the attachment between the gateway and the VPC.</li></p></li><li><p>attachment.vpc-id</p> - The ID of the VPC attached to the virtual private gateway.</li></p></li><li><p>availability-zone</p> - The Availability Zone for the virtual private gateway (if applicable).</li></p></li><li><p>tag</p>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>name=Virtual Private Gateway</code> for the filter value.</li></p></li><li><p>tag-key</p> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>::<i>key</i>=<i>value</i> filter.</li></p></li><li><p>tag-value</p> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li></p></li><li><p>type</p> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.</li></p></li><li><p>vpn-gateway-id</p> - The ID of the virtual private gateway.</li></p></ul>
Available | Deleting | Deleted
--- | --- | ---
Tag:Key=value - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>org</code> for the filter value.
Tag-Key - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key=value</code> filter.
Tag-Value - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
Type - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.
Vpn-Gateway-ID - The ID of the virtual private gateway.

NOTE: This method appends the values to the existing list (if any). Use <code>attachFilters(java.util.Collection)</code> or <code>withFilters(java.util.Collection)</code> if you want to override the existing filters. The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). The Availability Zone for the virtual private gateway (if applicable).
State of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>org</code> for the filter value.
Tag-Key - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter <code>tag-key=Purpose</code> and the filter <code>tag-value=X</code>, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Key=value</code> filter.
Tag-Value - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
Type - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>.
Vpn-Gateway-ID - The ID of the virtual private gateway.

@ensure Returns a reference to this object so that method calls can be chained together.
value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the
<code>tag</code>:<i>key</i>=<i>value</i> filter.</p><li><i>type</i> - The type of virtual private gateway. Currently the only supported type is
<code>ipsec.1</code>.</li><li><i>vpn-gateway-id</i> - The ID of the virtual private gateway.</li>

### Filters

- **tag-key**
  - The key of a tag assigned to the resource.
  - If you want to list only resources where <i>tag-key</i> is X, see the
  <code>tag</code>:<i>key</i>=<i>value</i> filter.

- **tag-value**
  - The value of a tag assigned to the resource. This filter is independent of the <code>tag</code>:<i>key</i>=<i>value</i> filter.

- **filter**
  - A filter that can be used to describe resources.

- **resource-id**
  - The ID of a resource.

- **resource-type**
  - The type of a resource.

- **resource-set**
  - A set of resources.

- **resource-set-members**
  - The members of a resource set.

- **resource-set-membership**
  - The membership of a resource in a resource set.

- **resource-set-membership-set**
  - A set of resource set memberships.

- **resource-set-membership-set-members**
  - The members of a resource set membership set.

- **resource-set-membership-set-membership**
  - The membership of a resource in a resource set membership set.

- **resource-set-membership-set-membership-set**
  - A set of resource set membership set memberships.

- **resource-set-membership-set-membership-set-membership**
  - The membership of a resource in a resource set membership set membership set.

- **resource-set-membership-set-membership-set-membership-set**
  - A set of resource set membership set membership set memberships.

- **resource-set-membership-set-membership-set-membership-set-membership**
  - The membership of a resource in a resource set membership set membership set membership set.

  - A set of resource set membership set membership set membership set memberships.

  - The membership of a resource in a resource set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set memberships.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set membership set memberships.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set membership set membership set memberships.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set membership set membership set membership set memberships.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.

  - A set of resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.

  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.


  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.


  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.


  - The membership of a resource in a resource set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set membership set.


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@param vpnGatewayIds One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p>
NOTE:/b> This method appends the values to the existing list (if any). Use { @link #setVpnGatewayIds(java.util.Collection) } or { @link #withVpnGatewayIds(java.util.Collection) } if you want to override the existing values.</p>
@param vpnGatewayIds One or more virtual private gateway IDs.</p> <p>Default: Describes all your virtual private gateways.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",}
that method calls can be chained together.*/

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  "varargSetterDocumentation" : "/**\n\n@param vpnGateways Information about one or more virtual private gateways.\n\n@NOTE: This method appends the values to the existing list (if any). Use \{ @link #setVpnGateways(java.util.Collection) \} or \{ @link #withVpnGateways(java.util.Collection) \} if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "documentation" : "Information about one or more virtual private gateways.\n  
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      "documentation" : "Information about one or more virtual private gateways.
      
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so that method calls can be chained together.*/",
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@return
Information about one or more virtual private gateways.*/",
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"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VpnGateway",
"variableName" : "member",
"variableType" : "VpnGateway",
"documentation" : "",
"simpleType" : "VpnGateway",
"variableSetterType" : "VpnGateway"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "VpnGateway",
"documentation" : "",
"simpleType" : "VpnGateway",
"variableSetterType" : "VpnGateway"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "VpnGateway",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnGateway",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
"templateType" : "java.util.List<VpnGateway>"
},
"map" : false,
"mapModel" : null,
"name" : "VpnGateways",
"setterDocumentation" : "/**\n* Information about one or more virtual private gateways.\n*/
@param vpnGateways Information about one or more virtual private gateways.*/",
"setterMethodName" : "setVpnGateways",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
"variableName" : "vpnGateways",
"variableType" : "java.util.List<VpnGateway>",
"documentation" : "",
"simpleType" : "List<VpnGateway>",
"variableSetterType" : "java.util.Collection<VpnGateway>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* Information about one or more virtual private gateways.\n\nNOTE: This method appends the values to the existing list (if any). Use \{ @link #setVpnGateways(java.util.Collection) \} or \{ @link #withVpnGateways(java.util.Collection) \} if you want to override the existing values.\n*/
@param vpnGateways Information about one or more virtual private gateways.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnGateway>",
"variableName" : "vpnGateways",
"variableType" : "java.util.List<VpnGateway>",
"documentation" : "Information about one or more virtual private gateways.\n",
"simpleType" : "List<VpnGateway>",
"variableSetterType" : "java.util.Collection<VpnGateway>"
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"requestSignerClassFqn" : null,
"required" : null,
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"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variableDeclarationType" : "DescribeVpnGatewaysResult",
"variableName" : "describeVpnGatewaysResult",
"variableType" : "DescribeVpnGatewaysResult",
"documentation" : null,
"simpleType" : "DescribeVpnGatewaysResult",
"variableSetterType" : "DescribeVpnGatewaysResult"
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"wrapper" : false
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"DetachClassicLinkVpcRequest" : {
"c2jName" : "DetachClassicLinkVpcRequest",
"customization" : {
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   "skipGeneratingModelClass" : false,
   "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for DetachClassicLinkVpc.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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   "locationName" : null,
   "requestUri" : "/",
   "target" : null,
   "verb" : "POST",
   "xmlNameSpaceUri" : null
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"members" : [
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      "c2jName" : "InstanceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance to unlink from the VPC.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>
@returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withInstanceId",
      "getterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>
@returns The ID of the instance to unlink from the VPC.</p>
"getMethod" : "getInstanceId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>\n@param instanceId The ID of the instance to unlink from the VPC.</**/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance to unlink from the VPC.</p>\n@param instanceId The ID of the instance to unlink from the VPC.\n@return Returns a reference to this object so that method calls can be chained together.</**/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance to unlink from the VPC.</p>",
  "simpleType" : "String",
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  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC to which the instance is linked.</p>"}
"fluentSetterDocumentation": "/**<p>The ID of the VPC to which the instance is linked.</p>
@param vpcId The ID of the VPC to which the instance is linked.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC to which the instance is linked.</p>
@return The ID of the VPC to which the instance is linked.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC to which the instance is linked.</p>
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@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
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  "variableType": "String",
  "documentation": "The ID of the VPC to which the instance is linked.",
  "simpleType": "String",
  "variableSetterType": "String"
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    "getterDocumentation": "The ID of the instance to unlink from the VPC.
@returns The ID of the instance to unlink from the VPC.
@returns Returns a reference to this object so that method calls can be chained together.",
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    "getterModel": {
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      "documentation": null
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
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      "isStreaming": false,
      "location": null,
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      "statusCode": false,
      "unmarshallLocationName": "instanceId",
      "uri": false
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"variableType": "String",
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"simpleType": "String",
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"c2jShape": "String",
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"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**\n<p>The ID of the VPC to which the instance is linked.</p>\n@return The ID of the VPC to which the instance is linked.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"name": "InstanceId",
"setterDocumentation": "/**\n<p>The ID of the instance to unlink from the VPC.</p>\n@param instanceId The ID of the instance to unlink from the VPC.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
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"variableName": "instanceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"varargSetterDocumentation": "/**\n<p>The ID of the instance to unlink from the VPC.</p>\n@param instanceId The ID of the instance to unlink from the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>The ID of the instance to unlink from the VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"c2jShape": "String",
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"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**\n<p>The ID of the VPC to which the instance is linked.</p>\n@return The ID of the VPC to which the instance is linked.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC to which the instance is linked.</p>
@param vpcId The ID of the VPC to which the instance is linked.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC to which the instance is linked.</p>
@param vpcId The ID of the VPC to which the instance is linked.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC to which the instance is linked.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId", "VpcId" ],
"shapeName" : "DetachClassicLinkVpcRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"variableDeclarationType" : "DetachClassicLinkVpcRequest",
"variableName" : "detachClassicLinkVpcRequest",
"variableType" : "DetachClassicLinkVpcRequest",
"documentation" : null,
"simpleType" : "DetachClassicLinkVpcRequest",
"variableSetterType" : "DetachClassicLinkVpcRequest"
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"wrapper" : false
],
"DetachClassicLinkVpcResult" : {
"c2jName" : "DetachClassicLinkVpcResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DetachClassicLinkVpc.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Return",
"queryString" : false,
"idUser" : false,
"marshallLocationName" : "Return",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>"",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
] }].
"membersAsMap" : {
"Return" : {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
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"header" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@returns {Object} Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
"getterMethodName" : "getReturn",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
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  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Returns <code>true</code> if the request succeeds; otherwise, it returns an error.<p>[ln]@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DetachClassicLinkVpcResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DetachClassicLinkVpcResult",
  "variableName" : "detachClassicLinkVpcResult",
  "variableType" : "DetachClassicLinkVpcResult",
  "documentation" : null,
  "simpleType" : "DetachClassicLinkVpcResult",
  "variableSetterType" : "DetachClassicLinkVpcResult"
},
"wrapper" : false
},
"DetachInternetGatewayRequest" : {
  "c2jName" : "DetachInternetGatewayRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DetachInternetGateway.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInternetGatewayId",
    "getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@return The ID of the Internet gateway.*/",
    "getterMethodName" : "getInternetGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InternetGatewayId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "internetGatewayId",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InternetGatewayId",
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*param attachmentId* The ID of the attachment.

*return* Returns a reference to this object so that method calls can be chained together.

```java
public YourType withAttachmentId(String attachmentId)
```

*getterMethod*:

```java
public String getAttachmentId()
```

*getterModel*:

```java

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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",...
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The ID of the instance.
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"xmlNameSpaceUri" : null,
}, {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "{p}>The device name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The device name.</p>
@param device The device name.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDevice",
  "getterDocumentation" : "/**<p>The device name.</p>
@return The device name.*/",
  "getterMethodName" : "getDevice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Device",
  "setterDocumentation" : "/**<p>The device name.</p>
@param device The device name.
*/",
  "setterMethodName" : "setDevice",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "device",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**<p>The device name.</p>
@param device The device name.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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 "variableName" : "device",
 "variableType" : "String",
 "documentation" : "<p>The device name.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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{ "c2jName" : "Force",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterDocumentation" : "Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Returns a reference to this object so that method calls can be chained together.*/",
 "getterMethodName" : "getForce",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
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 "http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Force",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Force",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Force",
"setterDocumentation" : "/**<p>Forces detachment if the previous detachment attempt did not occur cleanly
(for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to
data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance.
The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option,
you must perform file system check and repair procedures.</p>
@param force Forces detachment if the previous
 detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and
detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort
to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file
system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setForce",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "force",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Forces detachment if the previous detachment attempt did not occur cleanly
(for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to
data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance.
The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option,
you must perform file system check and repair procedures.</p>
@param force Forces detachment if the previous
detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and
detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort
to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file
system metadata. If you use this option, you must perform file system check and repair procedures.</p>
@return
Returns a reference to this object so that method calls can be chained together.*/";
Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
Returns a reference to this object so that method calls can be chained together.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won’t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. The option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.
Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

```java
@Param(force) Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

@Return Returns a reference to this object so that method calls can be chained together.
```

```
/**
 * The ID of the instance.
 */

@Param(instanceId) The ID of the instance.

@Return
```

```
/**
 * The ID of the volume.
 */

@Param(volumeId) The ID of the volume.

@Return
```

```
/**
 * The ID of the instance.
 */

@Param(instanceId) The ID of the instance.

@Return
```

```
/**
 * The ID of the volume.
 */

@Param(volumeId) The ID of the volume.

@Return
```

```
/**
 * The ID of the instance.
 */

@Param(instanceId) The ID of the instance.

@Return
```

```
/**
 * The ID of the volume.
 */

@Param(volumeId) The ID of the volume.

@Return
```

```
/**
 * The ID of the instance.
 */

@Param(instanceId) The ID of the instance.

@Return
```

```
/**
 * The ID of the volume.
 */

@Param(volumeId) The ID of the volume.

@Return
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/
.setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance. Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeId" : {
  "c2jName" : "VolumeId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The ID of the volume.
@returns Returns a reference to this object so that method calls can be chained together.*/
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume.</p>
\n\n\nreturn The ID of the volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
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"http" : {
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
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   "marshallLocationName" : "VolumeId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "VolumeId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
\n\n\n@param volumeId The ID of the volume.
\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "volumeId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
\n\n\n@vararg volumeId The ID of the volume.
\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "volumeId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the volume.</p>
\n\n\n",
   "simpleType" : "String",
   "variableSetterType" : "String"}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "DetachVolumeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DetachVolumeRequest",
  "variableName" : "detachVolumeRequest",
  "variableType" : "DetachVolumeRequest",
  "documentation" : null,
  "simpleType" : "DetachVolumeRequest",
  "variableSetterType" : "DetachVolumeRequest"
},
"wrapper" : false
},
"DetachVolumeResult" : {
  "c2jName" : "DetachVolumeResult",
  "customization" : {
    "artificialResultWrapper" : {
      "wrappedMemberName" : "Attachment",
      "wrappedMemberSimpleType" : "VolumeAttachment"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "documentation" : "<p>Describes volume attachment details.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@method detachVolume
Describes volume attachment details.\n@param attachment
Describes volume attachment details.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "name" : "Attachment",
    "shapeName" : "VolumeAttachment",
    "variable" : {
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      "variableName" : "attachment",
      "variableType" : "VolumeAttachment",
      "documentation" : null,
      "simpleType" : "VolumeAttachment",
      "variableSetterType" : "VolumeAttachment"
    }
  }
}
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**\n * Describes volume attachment details.
 */

getterMethodName" : "getAttachment",
getterModel" : {
  "returnType" : "VolumeAttachment",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attachment",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Attachment",
  "uri" : false
},
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**\n * Describes volume attachment details.
 */

setterMethodName" : "setAttachment",
setterModel" : {
  "variableDeclarationType" : "VolumeAttachment",
  "variableName" : "attachment",
  "variableType" : "VolumeAttachment",
  "documentation" : "",
  "simpleType" : "VolumeAttachment",
  "variableSetterType" : "VolumeAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Describes volume attachment details.
 */

@return Returns a reference to this object so that method calls can be chained together.
 */

variable" : {
  "variableDeclarationType" : "VolumeAttachment",
  "variableName" : "attachment",
  "variableType" : "VolumeAttachment"
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"simpleType": "VolumeAttachment",
"variableSetterType": "VolumeAttachment"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "Attachment": {
    "c2jName": "Attachment",
    "c2jShape": "VolumeAttachment",
    "deprecated": false,
    "documentation": "<p>Describes volume attachment details.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Describes volume attachment details.</p>
@param attachment
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAttachment",
    "getterDocumentation": "/**<p>Describes volume attachment details.</p>
@return Describes volume attachment details.*/",
    "getterMethodName": "getAttachment",
    "getterModel": {
      "returnType": "VolumeAttachment",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
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      "marshalLocationName": "Attachment",
      "queryString": false,
      "statusCode": false,
      "unmarshalLocationName": "Attachment",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Attachment",
    "setterDocumentation": "/**<p>Describes volume attachment details.</p>
@param attachment
@return Describes volume attachment details.*/",
    "setterMethodName": "setAttachment",
"setterModel": {
  "variableDeclarationType": "VolumeAttachment",
  "variableName": "attachment",
  "variableType": "VolumeAttachment",
  "documentation": 
  "simpleType": "VolumeAttachment",
  "variableSetterType": "VolumeAttachment"
},
"simple": false,
"varargSetterDocumentation": "\n*p\nDescribes volume attachment details.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
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  "variableName": "attachment",
  "variableType": "VolumeAttachment",
  "documentation": "Describes volume attachment details.\n  \n  @returns Returns a reference to this object so that method calls can be chained together.\n  \plevel",
  "simpleType": "VolumeAttachment",
  "variableSetterType": "VolumeAttachment"
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},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DetachVolumeResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DetachVolumeResult",
  "variableName": "detachVolumeResult",
  "variableType": "DetachVolumeResult",
  "documentation": null,
  "simpleType": "DetachVolumeResult",
  "variableSetterType": "DetachVolumeResult"
},
"wrapper": false
},
"DetachVpnGatewayRequest": {
  "c2jName": "DetachVpnGatewayRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DetachVpnGateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "DetachVpnGateway",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "VpnGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@<p>The ID of the virtual private gateway.</p>
@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@returns The ID of the virtual private gateway.*/",
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VpnGatewayId",
"uri" : false}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"map" : false,
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"setterMethodName" : "setVpcId",
"setterModel" : {
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"fluentSetterMethodName" : "withVpcId",
"getDocumentation" : "/**\n*@return The ID of the VPC.*/",
"getMethodName" : "getVpcId",
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   "documentation" : null
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   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
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   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "VpcId",
   "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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   "variableType" : "String",
   "documentation" : "",
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   "variableSetterType" : "String"
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   "variableType" : "String"}
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param vpnGatewayId
The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be
chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"variableName" : "detachVpnGatewayRequest",
"variableType" : "DetachVpnGatewayRequest",
"documentation" : null,
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"variableSetterType" : "DetachVpnGatewayRequest"
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"DetachVpnGatewayResult" : {
"c2jName" : "DetachVpnGatewayResult",
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
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"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerClassFqcn" : null,
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  "resultWrapper" : null
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  "variableName" : "detachVpnGatewayResult",
  "variableType" : "DetachVpnGatewayResult",
  "documentation" : null,
  "simpleType" : "DetachVpnGatewayResult",
  "variableSetterType" : "DetachVpnGatewayResult"
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"wrapper" : false
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"DeviceType" : {
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "",
  "enums" : [ { 
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    "value" : "ebs"
  }, { 
    "name" : "InstanceStore",
    "value" : "instance-store"
  } ],
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  "hasPayloadMember" : false,
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  "simpleType" : "DeviceType",
  "variableSetterType" : "DeviceType"
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    "skipGeneratingUnmarshaller" : false
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  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of a DHCP option.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of a DHCP option.</p>
    @param key The name of a DHCP option.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKey",
    "getterDocumentation" : "/**<p>The name of a DHCP option.</p>
    @return The name of a DHCP option.*/",
    "name" : "key",
    "required" : false,
    "shapeName" : "String",
    "unmarshaller" : {
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      "resultWrapper" : null
    }
  } ]
}
"getterMethodName" : "getKey",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
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@param key The name of a DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a DHCP option.</p>
@param key The name of a DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>The name of a DHCP option.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
}"}
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "Values",
  "c2jShape" : "DhcpConfigurationValueList",
  "deprecated" : false,
  "documentation" : "<p>One or more values for the DHCP option.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withValues",
  "getterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
@return One or more values for the DHCP option.*/",
  "getterMethodName" : "getValues",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "valueSet",
    "uri" : false
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "String",
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      "documentation" : "",
      "enumType" : null,
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class together.*/",
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      "getterDocumentation" : "*/\n@return */",
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 "returnType" : "String",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"variable" : {
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 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : "value",
"sendEmptyQueryString" : false,
"simple" : true,
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"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Values",
"setterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
@param values One or more values for the DHCP option.*\*/",
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"setterModel" : {
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  "variableName" : "values",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setValues(java.util.Collection)} or {@link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "values",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more values for the DHCP option.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "Key" : {
    "c2jName" : "Key",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "The name of a DHCP option.<p>"
,"enumType" : null,
"fluentSetterDocumentation" : "\/*\p>The name of a DHCP option.<p>\n*param key The name of a DHCP option.*\n*return Returns a reference to this object so that method calls can be chained together.*\n",
"fluentSetterMethodName" : "withKey",
"getterDocumentation" : "\/*\p>The name of a DHCP option.<p>\n*return The name of a DHCP option.*\n",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\/*\p>The name of a DHCP option.<p>\n*param key The name of a DHCP option.*\n*return Returns a reference to this object so that method calls can be chained together.*\n",
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  "type" : "String"}
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"variableType" : "String",
"documentation" : "<p>The name of a DHCP option.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Values" : {
"c2jName" : "Values",
"c2jShape" : "DhcpConfigurationValueList",
"deprecated" : false,
"documentation" : "<p>One or more values for the DHCP option.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more values for the DHCP option.</p>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return One or more values for the DHCP option.*/",
"getterMethodName" : "getValues",
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"returnType" : "java.util.List<String>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "valueSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "String",
"documentation" : "<p>One or more values for the DHCP option.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"Values" : {
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"c2jShape" : "DhcpConfigurationValueList",
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@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return One or more values for the DHCP option.*/",
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"returnType" : "java.util.List<String>",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"header" : false,
"isPayload" : false,
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@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
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@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
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"value" : null,
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : "value",
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "Values",
"setterDocumentation" : "/**
<p>One or more values for the DHCP option.</p>
@param values One or more values for the DHCP option.</p>
<br>NOTE:
This method appends the values to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to override the existing values.</br>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodByName" : "setValues",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more values for the DHCP option.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setValues(java.util.Collection)} or { @link #withValues(java.util.Collection)} if you want to override the existing values.</p>
@param values One or more values for the DHCP option.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "One or more values for the DHCP option.<p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DhcpConfiguration",
"Unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DhcpConfiguration",
  "variableName" : "dhcpConfiguration",
  "variableType" : "DhcpConfiguration",
  "documentation" : null,
  "simpleType" : "DhcpConfiguration",
  "variableSetterType" : "DhcpConfiguration"
},
"wrapper" : false
},
"DhcpOptions" : {
  "c2jName" : "DhcpOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a set of DHCP options.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "DhcpOptionsId",
     "c2jShape" : "String",
     "deprecated" : false,
     "documentation" : "<p>The ID of the set of DHCP options.</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>@param dhcpOptionsId The ID of the set of DHCP options.</p>@return Returns a reference to this object so that method calls can be chained together.*"",
     "fluentSetterMethodName" : "withDhcpOptionsId",
    ...}]}
"getterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@return The ID of the set of DHCP options.*"/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DhcpOptionsId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dhcpOptionsId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The ID of the set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The ID of the set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the set of DHCP options.</p>"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DhcpConfigurations",
"c2jShape" : "DhcpConfigurationList",
"deprecated" : false,
"documentation" : "<p>One or more DHCP options in the set.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more DHCP options in the set.</p>
@\n@param dhcpConfigurations One or more DHCP options in the set.
@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpConfigurations",
"getterDocumentation" : "/**
<p>One or more DHCP options in the set.</p>
@\n@return One or more DHCP options in the set.
@\*/",
"getterMethodName" : "getDhcpConfigurations",
"getterModel" : {
"returnType" : "java.util.List<DhcpConfiguration>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpConfigurationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpConfigurationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "DhcpConfiguration",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*\n",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "*/\ngetterMethodName" : "getMember",
"getterModel" : {
"returnType" : "DhcpConfiguration",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "*/\nsetterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : "",
"simpleType" : "DhcpConfiguration",
"variableSetterType" : "DhcpConfiguration"
},
"simple" : false,
"varargSetterDocumentation" : "*/\nvarargSetterDocumentation" : "*/\n@member member */\nvariable" : {
"variableDeclarationType" : "DhcpConfiguration",
"variableName" : "member",
"variableType" : "DhcpConfiguration",
"documentation" : "",
"simpleType" : "DhcpConfiguration",
"simpleType" : "DhcpConfiguration",
"simpleType" : "DhcpConfiguration",
"simpleType" : "DhcpConfiguration"
"variableSetterType" : "DhcpConfiguration",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "DhcpConfiguration",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>"
},
"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/*<p>One or more DHCP options in the set.</p>*/\n@param dhcpConfigurations One or more DHCP options in the set.*"",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more DHCP options in the set.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or {@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.*/\n@param dhcpConfigurations One or more DHCP options in the set.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "<p>One or more DHCP options in the set.</p>",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Tags",
"c2jShape" : "TagList"}
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the DHCP options set.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>@param tags Any tags assigned to the DHCP options set.*/
@param tags
@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>@return Any tags assigned to the DHCP options set.*/

getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/
",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */

getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* @param member 
* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>
@param tags Any tags assigned to the DHCP options set.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the DHCP options set.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the DHCP options set.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
"DhcpConfigurations" : {
  "c2jName" : "DhcpConfigurations",
  "c2jShape" : "DhcpConfigurationList",
  "deprecated" : false,
  "documentation" : "<p>One or more DHCP options in the set.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more DHCP options in the set.</p>
@param dhcpConfigurations One or more DHCP options in the set.
@return Returns a reference to this object so that method calls can be chained together.*/"
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDhcpConfigurations",
    "getterDocumentation" : "/**\n     * One or more DHCP options in the set.<p>
     * @return One or more DHCP options in the set.*/",
    "getterMethodName" : "getDhcpConfigurations",
    "getterModel" : {
        "returnType" : "java.util.List<DhcpConfiguration>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "DhcpConfigurationSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "dhcpConfigurationSet",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "DhcpConfiguration",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**
     \n     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n     * @return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "DhcpConfiguration",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "DhcpConfiguration",
  "variableName": "member",
  "variableType": "DhcpConfiguration",
  "documentation": "",
  "simpleType": "DhcpConfiguration",
  "variableSetterType": "DhcpConfiguration"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "DhcpConfiguration",
  "variableName": "member",
  "variableType": "DhcpConfiguration",
  "documentation": "",
  "simpleType": "DhcpConfiguration",
  "variableSetterType": "DhcpConfiguration"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "item",
"memberType": "DhcpConfiguration",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType" : "DhcpConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"templateType" : "java.util.List<DhcpConfiguration>"
},
"map" : false,
"mapModel" : null,
"name" : "DhcpConfigurations",
"setterDocumentation" : "/**<p>One or more DHCP options in the set.</p>
@param dhcpConfigurations
One or more DHCP options in the set.*/",
"setterMethodName" : "setDhcpConfigurations",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more DHCP options in the set.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setDhcpConfigurations(java.util.Collection)} or
{@link #withDhcpConfigurations(java.util.Collection)} if you want to override the existing values.</p>
@param dhcpConfigurations One or more DHCP options in the set.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DhcpConfiguration>",
"variableName" : "dhcpConfigurations",
"variableType" : "java.util.List<DhcpConfiguration>",
"documentation" : "<p>One or more DHCP options in the set.</p>",
"simpleType" : "List<DhcpConfiguration>",
"variableSetterType" : "java.util.Collection<DhcpConfiguration>"
},
"xmlNameSpaceUri" : null
},

"DhcpOptionsId" : {
"c2jName" : "DhcpOptionsId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the set of DHCP options.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The ID of the set of DHCP options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@return The ID of the set of DHCP options.*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {"simpleType" : "String"}
"returnType" : "String",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "DhcpOptionsId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "dhcpOptionsId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@param dhcpOptionsId The ID of the set of DHCP options.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "dhcpOptionsId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "dhcpOptionsId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the set of DHCP options.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the DHCP options set.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>
  @param tags Any tags assigned to the DHCP options set.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>
  @return Any tags assigned to the DHCP options set.
  */",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<Tag>",
        "documentation" : null
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>
@param tags Any tags assigned to the DHCP options set.*/
/**<p>Any tags assigned to the DHCP options set.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use 
{@link #setTags(java.util.Collection)} or 
{@link #withTags(java.util.Collection)} if you want to override the existing values.</p>"*
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the DHCP options set.</p>

"simple" : false,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the DHCP options set.</p>

This method appends the values to the existing list (if any). Use 
{@link #setTags(java.util.Collection)} or 
{@link #withTags(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the DHCP options set.</p>

"simple" : false,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}"
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DhcpOptions",
    "variableName" : "dhcpOptions",
    "variableType" : "DhcpOptions",
    "documentation" : null,
    "simpleType" : "DhcpOptions",
    "variableSetterType" : "DhcpOptions"
},
"wrapper" : false
},
"DisableVgwRoutePropagationRequest" : {
    "c2jName" : "DisableVgwRoutePropagationRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DisableVgwRoutePropagation.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "DisableVgwRoutePropagation",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "RouteTableId",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The ID of the route table.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>\n@returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withRouteTableId",
            "getterDocumentation" : "/**<p>The ID of the route table.</p>\n@returns The ID of the route table.*/",
            "variableDeclarationType" : "RouteTableId",
            "variableName" : "routeTableId",
            "variableType" : "RouteTableId",
            "variableSetterType" : "RouteTableId"
        }
    ]
}
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "GatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@description The ID of the virtual private gateway.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGatewayId",
"getterDocumentation" : "/**\n@description The ID of the virtual private gateway.\n@returns The ID of the virtual private gateway.*/",
"getterMethodName" : "getGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**\n@description The ID of the virtual private gateway.\n@returns The ID of the virtual private gateway.*/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "gatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param gatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "GatewayId" : {
    "c2jName" : "GatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
    @param gatewayId The ID of the virtual private gateway.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGatewayId",
    "getterDocumentation" : "<p>The ID of the virtual private gateway.</p>
    @return The ID of the virtual private gateway.*/",
    "getterMethodName" : "getGatewayId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GatewayId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "GatewayId",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>@param gatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>@param gatewayId The ID of the virtual private gateway.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"RouteTableId" : {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : ",",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>@param routeTableId The ID of the route table.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>@return The ID of the route table.*/",
  "getterMethodName" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "routeTableId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "routeTableId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the route table.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "RouteTableId", "GatewayId" ],
"shapeName" : "DisableVgwRoutePropagationRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DisableVgwRoutePropagationRequest",
  "variableName" : "disableVgwRoutePropagationRequest",
  "variableType" : "DisableVgwRoutePropagationRequest",
  "documentation" : null,
  "simpleType" : "DisableVgwRoutePropagationRequest",
  "variableSetterType" : "DisableVgwRoutePropagationRequest"
},
"wrapper" : false
},
"DisableVgwRoutePropagationResult" : {
  "c2jName" : "DisableVgwRoutePropagationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DisableVgwRoutePropagationResult",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "DisableVgwRoutePropagationResult",
    "variableName" : "disableVgwRoutePropagationResult",
    "variableType" : "DisableVgwRoutePropagationResult",
    "documentation" : null,
    "simpleType" : "DisableVgwRoutePropagationResult",
    "variableSetterType" : "DisableVgwRoutePropagationResult"
  },
  "wrapper" : false
"DisableVpcClassicLinkDnsSupportRequest" : 
  
  "c2jName" : "DisableVpcClassicLinkDnsSupportRequest",
  "customization" : 
    
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\p>Contains the parameters for DisableVpcClassicLinkDnsSupport.\p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "DisableVpcClassicLinkDnsSupport",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ 
    
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "\p>The ID of the VPC.\p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "\***\p>The ID of the VPC.\p>\n\n@\param \p vpcId The ID of the VPC.\n\n@\return \p Returns a reference to this object so that method calls can be chained together.\n\n"",
    "getterDocumentation" : "\***\p>The ID of the VPC.\p>\n\n@\param \p vpcId The ID of the VPC.\n\n@\return \p The ID of the VPC.\n\n"",
    "getterMethodName" : "getVpcId",
    "gettersModel" : 
      
      "returnType" : "String",
      "documentation" : null
    },
    "http" : 
      
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location": null,
"marshallLocationName": "VpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VpcId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**\n@param vpcId The ID of the VPC.\n@return The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "The ID of the VPC.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "VpcId": {
    "c2jName": "VpcId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The ID of the VPC.",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpcId",
    "getterDocumentation": "/**\n@return The ID of the VPC.*/",
    "getterMethodName": "getVpcId",
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : ",<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DisableVpcClassicLinkDnsSupportRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DisableVpcClassicLinkDnsSupportRequest",
"variableName" : "disableVpcClassicLinkDnsSupportRequest",
"variableType" : "DisableVpcClassicLinkDnsSupportRequest",
"documentation" : null,
"simpleType" : "DisableVpcClassicLinkDnsSupportRequest",
"variableSetterType" : "DisableVpcClassicLinkDnsSupportRequest"
},
"wrapper" : false
},
"DisableVpcClassicLinkDnsSupportResult" : {
"c2jName" : "DisableVpcClassicLinkDnsSupportResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DisableVpcClassicLinkDnsSupport.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "Return",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withReturn",
"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
"getterMethodName" : "getReturn",
"getterModel" : {
"returnType" : "Boolean",}
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Return",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "return",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Return",
"setterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName": "setReturn",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "returnValue",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "returnValue",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
}
"xmlNameSpaceUri" : null
} ]
,
"membersAsMap" : {
 "Return" : {
 "c2jName" : "Return",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>"",
 "enumType" : null,
 "fluentSetterDocumentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together."/",
 "fluentSetterMethodName" : "withReturn",
 "getterDocumentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error."/",
 "getterMethodName" : "getReturn",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Return",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "return",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Return",
 "setterDocumentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error."/",
 "setterMethodName" : "setReturn",
 "setterModel" : {
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}
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DisableVpcClassicLinkDnsSupportResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DisableVpcClassicLinkDnsSupportResult",
"variableName" : "disableVpcClassicLinkDnsSupportResult",
"variableType" : "DisableVpcClassicLinkDnsSupportResult",
"documentation" : null,
"simpleType" : "DisableVpcClassicLinkDnsSupportResult",
"variableSetterType" : "DisableVpcClassicLinkDdnsSupportResult"
},
"wrapper" : false
},
"DisableVpcClassicLinkRequest" : {
"c2jName" : "DisableVpcClassicLinkRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
<p>Contains the parameters for DisableVpcClassicLink.</p>

```
"action" : "DisableVpcClassicLink",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},

"members" : [ {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the VPC.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@returns The ID of the VPC.\n\n**/",
  "getters\ngetters"
  "getterDocumentation" : "The ID of the VPC.\n\n\ngetterMethod\ngetterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "marshallers" : {
    "action" : "DisableVpcClassicLink",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  }
},
```

Returns a reference to this object so that method calls can be chained together.
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@\n**/param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargsSetterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@\n**/param vpcId The ID of the VPC.\n@\n**/return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@\n**/param vpcId The ID of the VPC.\n@\n**/return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**\n@\n**/<p>The ID of the VPC.</p>\n@\n**/return The ID of the VPC.*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
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"variableType" : "DisableVpcClassicLinkRequest"
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"documentation" : null,
"simpleType" : "DisableVpcClassicLinkRequest",
"variableSetterType" : "DisableVpcClassicLinkRequest"
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"wrapper" : false
},
"DisableVpcClassicLinkResult" : {
"c2jName" : "DisableVpcClassicLinkResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of DisableVpcClassicLink.</p>",
"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [ {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReturn",
  "getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getReturn",
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    "greedy" : false,
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    "isPayload" : false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "return",
"uri": false
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"name": "Return",
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*/\n*\n* @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n*/",
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"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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*/\n*\n* @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*\n* Returns a reference to this object so that method calls can be chained together.\n*/",
"variable": {
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"variableType": "Boolean",
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
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"simpleType": "Boolean",
"variableSetterType": "Boolean"
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".xmlNameSpaceUri": null
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"membersAsMap": {
"Return": {
"c2jName": "Return",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>"}
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"fluentSetterDocumentation": "\*/\*\*\n\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\n@returnsParam returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReturn",
"getterDocumentation": "\*/\*\*\n\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"getterMethodName": "getReturn",
"getterModel": {
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  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "return",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Return",
"setterDocumentation": "\*/\*\*\n\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName": "setReturn",
"setterModel": {
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  "variableName": "returnValue",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "\*/\*\*\n\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/"}
an error.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DisableVpcClassicLinkResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DisableVpcClassicLinkResult",
  "variableName" : "disableVpcClassicLinkResult",
  "variableType" : "DisableVpcClassicLinkResult",
  "documentation" : null,
  "simpleType" : "DisableVpcClassicLinkResult",
  "variableSetterType" : "DisableVpcClassicLinkResult"
},
"wrapper" : false
},
"DisassociateAddressRequest" : {
  "c2jName" : "DisassociateAddressRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for DisassociateAddress."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"action": "DisassociateAddress",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPublicIp",
"getterDocumentation": "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@return [EC2-Classic] The Elastic IP address. Required for EC2-Classic.*/",
"getterMethodName": "getPublicIp",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": { 
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PublicIp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PublicIp",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>
@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPublicIp"
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": 
  "simple": true,
  "varargSetterDocumentation": 
  "variable": {
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    "variableName": "publicIp",
    "variableType": "String",
    "documentation": 
    "documentation": 
    "enumType": null,
    "fluentSetterDocumentation": 
    "c2jName": "AssociationId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>[EC2-VPC] The association ID. Required for EC2-VPC.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>[EC2-VPC] The association ID. Required for EC2-VPC.</p>
    @param associationId [EC2-VPC] The association ID. Required for EC2-VPC.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation": "/**<p>[EC2-VPC] The association ID. Required for EC2-VPC.</p>
    @returns [EC2-VPC] The association ID. Required for EC2-VPC.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getAssociationId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "marshallLocationName": "AssociationId",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**
\[EC2-VPC\] The association ID. Required for EC2-VPC.\n\@param
associationId [EC2-VPC] The association ID. Required for EC2-VPC.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\[EC2-VPC\] The association ID. Required for EC2-VPC.\n\@param
associationId [EC2-VPC] The association ID. Required for EC2-VPC.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "AssociationId" : {
    "c2jName" : "AssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] The association ID. Required for EC2-VPC.\n</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\[EC2-VPC\] The association ID. Required for EC2-VPC.\n\@param
associationId [EC2-VPC] The association ID. Required for EC2-VPC.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**
\[EC2-VPC\] The association ID. Required for EC2-VPC.\n\@return
"}
[EC2-VPC] The association ID. Required for EC2-VPC.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociationId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**
 * @param associationId [EC2-VPC] The association ID. Required for EC2-VPC.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "complexType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param associationId [EC2-VPC] The association ID. Required for EC2-VPC.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "complexType" : "",
  "variableSetterType" : "String"}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicIp" : {
  "c2jName" : "PublicIp",
  "c2jShape" : "String",
  "deprecated" : false,
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\*<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>*/@return Returns a reference to this object so that method calls can be chained together.*!/",
  "fluentSetterMethodName" : "withPublicIp",
  "getterDocumentation" : "/*\*<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>*/@return [EC2-Classic] The Elastic IP address. Required for EC2-
Classic.*!/",
  "getterMethodName" : "getPublicIp",
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    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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Classic.*!/",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*\*<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.<p>\n@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",

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    "enumType": null,
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      "statusCode": false,
      "unmarshallLocationName": "iamInstanceProfileAssociation",
      "uri": false
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  }
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@return Information about the IAM instance profile association.*/",
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      "documentation" : null
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  }
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 * @param
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 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "IamInstanceProfileAssociation",
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    "variableSetterType": "DisassociateIamInstanceProfileResult"
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"wrapper": false
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        "skipGeneratingUnmarshaller": false
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    "enums": null,
    "errorCode": null,
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    "hasStatusCodeMember": false,
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        "verb": "POST",
        "xmlNameSpaceUri": null
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    "members": [{
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
The association ID representing the current association between the route table and subnet.

```java
/**
 * The association ID representing the current association between the route table and subnet.
 * @param associationId The association ID representing the current association between the route table and subnet.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

@variable

```
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table and subnet.</p>
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route table and subnet.*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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route table and subnet.</p>
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the route table and subnet.<p>@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
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subnet.</p>
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
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  "variableName" : "disassociateRouteTableRequest",
  "variableType" : "DisassociateRouteTableRequest",
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"c2jName" : "DisassociateRouteTableResult",
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 "skipGeneratingModelClass" : false,
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"enums" : null,
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"verb" : "POST",
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@param associationId The association ID for the CIDR block.
@return Returns a reference to this object so that method calls can be chained together. */",
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@return The association ID for the CIDR block.
*/",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"verb" : "POST"
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The association ID for the CIDR block.<p>@param associationId The association ID for the CIDR block.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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\n</p>",
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
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"listModel" : null,
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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association ID for the CIDR block.</p>
@return Returns a reference to this object so that method calls can be
chained together.*/",
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  "variableSetterType" : "String"
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"variableSetterType": "DisassociateSubnetCidrBlockRequest"
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"skipGeneratingModelClass": false,
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@return The ID of the subnet.<p>/\n*="/",
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"getterModel": {
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"documentation": null"}
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  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "subnetId",
  "uri": false
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"list": false,
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "statusCode" : false,
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  "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
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@return Returns a reference to this
object so that method calls can be chained together.*/",
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    "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
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    "getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*/",
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"variableSetterType" : "String"
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"variable" : {

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    "map": false,
    "mapModel": null,
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The association ID for the CIDR block.*/",
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The association ID for the CIDR block.

@returns Returns a reference to this object so that method calls can be chained together.*"*/

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    "variableSetterType" : "DisassociateVpcCidrBlockRequest"
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"wrapper" : false
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    "enumType": null,
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     @return
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    "getterDocumentation": "/**<p>The ID of the VPC.</p>
     @return The ID of the VPC.*/",
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    "list": false,
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    "map": false,
    "mapModel": null,
    "name": "VpcId",
    "setterDocumentation": "/**<p>The ID of the VPC.</p>
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     @return
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    "simple": true,
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"getterDocumentation" : "/**<p>Information about the IPv6 CIDR block association.</p>
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   \n   @return Returns a reference to this object so that method calls can be chained together.
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"documentation" : "<p>Information about the IPv6 CIDR block association.</p>
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"variableSetterType" : "VpcIpv6CidrBlockAssociation"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>
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   */
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   \n   @return Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation" : "/**\n   * Information about the IPv6 CIDR block association.
   */
   \n   @return Information about the IPv6 CIDR block association.
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"getterModel" : {
"returnType" : "VpcIpv6CidrBlockAssociation",
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"isStreaming": false,
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"statusCode": false,
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"uri": false,
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"list": false,
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"map": false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>Information about the IPv6 CIDR block association.</p",
  "simpleType": "VpcIpv6CidrBlockAssociation",
  "variableSetterType": "VpcIpv6CidrBlockAssociation"
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  "enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"getterDocumentation" : "/**<p>The ID of the VPC.</p>@return The ID of the VPC.*\*/",
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>"
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DisassociateVpcCidrBlockResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DisassociateVpcCidrBlockResult",
  "variableName" : "disassociateVpcCidrBlockResult",
  "variableType" : "DisassociateVpcCidrBlockResult",
  "documentation" : null,
  "simpleType" : "DisassociateVpcCidrBlockResult",
  "variableSetterType" : "DisassociateVpcCidrBlockResult"
},
"wrapper" : false
},
"DiskImage" : {
  "c2jName" : "DiskImage",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a disk image.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Image",
    "c2jShape" : "DiskImageDetail",
    "deprecated" : false,
    "documentation" : "<p>Information about the disk image.</p>",
    "enumType" : null,
    "fluentsetterDocumentation" : "/**<p>Information about the disk image.</p>
@<param name="image"> Information about the disk image.</param> */""
  }
}
about the disk image.

@return Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withImage",
"getterDocumentation" : "/**<p>Information about the disk image.</p>@return Information about the disk image.*

"getterMethodName" : "getImage",
"getterModel" : {
"returnType" : "DiskImageDetail",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Image",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Image",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>Information about the disk image.</p>@param image Information about the disk image.*

"setterMethodName" : "setImage",
"setterModel" : {
"variableDeclarationType" : "DiskImageDetail",
"variableName" : "image",
"variableType" : "DiskImageDetail",
"documentation" : "",
"simpleType" : "DiskImageDetail",
"variableSetterType" : "DiskImageDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the disk image.</p>@param image Information about the disk image." @return a reference to this object so that method calls can be chained together.*

"variable" : {
"variableDeclarationType" : "DiskImageDetail",
"variableName" : "image",
"variableType" : "DiskImageDetail",
"documentation" : "",
"simpleType" : "DiskImageDetail",
"variableSetterType" : "DiskImageDetail"}
"documentation" : "Information about the disk image.\n\n**A description of the disk image.**\n\n@returns{} Returns a reference to this object so that method calls can be chained together.\n\n**A description of the disk image.**\n\n@returns{} Returns a reference to this object so that method calls can be chained together.

```java
Description getDescription()
```

```java
withDescription(Description description)
```

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Description",

"setterDocumentation" : "A description of the disk image.\n\n@description A description of the disk image.\n\n@returns{} A description of the disk image.\n\n@returns{} A description of the disk image.\n\n```java
setDescription(String description)
```
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param description A description of the disk image.
\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Volume",
"c2jShape" : "VolumeDetail",
"deprecated" : false,
"documentation" : "<p>Information about the volume.</p>
"param volume Information about
the volume.\n@return Returns a reference to this object so that method calls can be chained

"fluentSetterDocumentation" : "/**\n\n@param volume Information about the volume.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolume",
"getterDocumentation" : "/**\n\n@return Information about the volume.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
  "returnType" : "VolumeDetail",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Volume",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Volume",
  "uri" : false
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Description",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Description",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the disk image.</p>
@param description A description of
the disk image.</param>returns a reference to this object so that method calls can be chained
together."",
"setterMethodName" : "setDescription",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the disk image.</p>
@param description A description of the disk image.
@return Returns a reference to this object so that method calls can be chained
together."",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : "A description of the disk image."",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Image" : {
}
"varargSetterDocumentation" : "/**<p>Information about the disk image.</p>
@param image Information about the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DiskImageDetail",
  "variableName" : "image",
  "variableType" : "DiskImageDetail",
  "documentation" : "<p>Information about the disk image.</p>",
  "simpleType" : "DiskImageDetail",
  "variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},
"Volume" : {
  "c2jName" : "Volume",
  "c2jShape" : "VolumeDetail",
  "deprecated" : false,
  "documentation" : "<p>Information about the volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the volume.</p>
@param volume Information about the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolume",
  "getterDocumentation" : "/**<p>Information about the volume.</p>
@return Information about the volume.*/",
  "getterMethodName" : "getVolume",
  "getterModel" : {
    "returnType" : "VolumeDetail",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volume",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Volume",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name": "Volume",
"setterDocumentation": "/**<p>Information about the volume.</p>
@\param volume Information about the volume.*/",
"setterMethodName": "setVolume",
"setterModel": {
  "variableDeclarationType": "VolumeDetail",
  "variableName": "volume",
  "variableType": "VolumeDetail",
  "documentation": "",
  "simpleType": "VolumeDetail",
  "variableSetterType": "VolumeDetail"
}
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the volume.</p>
@\param volume Information about the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VolumeDetail",
  "variableName": "volume",
  "variableType": "VolumeDetail",
  "documentation": "<p>Information about the volume.</p>
",
  "simpleType": "VolumeDetail",
  "variableSetterType": "VolumeDetail"
}
"xmlNameSpaceUri": null
",
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "DiskImage",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
}
"variable": {
  "variableDeclarationType": "DiskImage",
  "variableName": "diskImage",
  "variableType": "DiskImage",
  "documentation": null,
  "simpleType": "DiskImage",
  "variableSetterType": "DiskImage"
}
"wrapper": false
",
"DiskImageDescription": {
  "c2jName": "DiskImageDescription",
  "customization": {
    "artificialResultWrapper": null
  }
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a disk image.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Format",
  "c2jShape" : "DiskImageFormat",
  "deprecated" : false,
  "documentation" : "<p>The disk image format.</p>",
  "enumType" : "DiskImageFormat",
  "fluentSetterDocumentation" : "/**<p>The disk image format.</p>
  *param format The disk image format.
  *return Returns a reference to this object so that method calls can be chained together.
  *see DiskImageFormat*/",
  "fluentSetterMethodName" : "withFormat",
  "getterDocumentation" : "/**<p>The disk image format.</p>
  *return The disk image format.
  *see DiskImageFormat*/",
  "getterMethodName" : "getFormat",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Format",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "format",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@see DiskImageFormat*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The disk image format.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Size",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The size of the disk image, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@return The size of the disk image, in GiB.*/",
"getterMethodName" : "getSize",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Size",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "size",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param size The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "<p>The size of the disk image, in GiB.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ImportManifestUrl",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. </p> <p>For information about
the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportManifestUrl",
"getterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>
@return A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportManifestUrl",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importManifestUrl",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportManifestUrl",
"setterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. \n</p>\n\nFor information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.\n\n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.\n\nFor information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.*/",
"setterMethodName" : "setImportManifestUrl",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "importManifestUrl",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varg SetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. \n</p>\n\nFor information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.\n\n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.\n\nFor information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.*/"}
the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.\n\n@returns Returns a reference to this object so that method calls can be chained together."/

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "importManifestUrl",
        "variableType" : "String",
        "documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.", 
    }
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Checksum",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The checksum computed for the disk image.</p>
@param checksum
The checksum computed for the disk image.
@return Returns a reference to this object so that method calls can be chained together."/

    "fluentSetterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum
The checksum computed for the disk image.
@return The checksum computed for the disk image.*/

    "getterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@return The checksum computed for the disk image.*/

    "getterMethodName" : "getChecksum",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Checksum",
        "queryString" : false,
        "statusCode" : false,
"unmarshallLocationName" : "checksum",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Checksum",
"setterDocumentation" : "/**\<p>The checksum computed for the disk image.</p>\n@param checksum The checksum computed for the disk image.*/",
"setterMethodName" : "setChecksum",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
"varargSetterDocumentation" : "/**\<p>The checksum computed for the disk image.</p>\n@param checksum The checksum computed for the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "<p>The checksum computed for the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null

"membersAsMap" : {
  "Checksum" : {
    "c2jName" : "Checksum",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The checksum computed for the disk image.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\<p>The checksum computed for the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withChecksum",
    "getterDocumentation" : "/**\<p>The checksum computed for the disk image.\n@return The checksum computed for the disk image.*/",
    "getterMethodName" : "getChecksum",
"Open Source Used In Virtualized Voice Browser 12.6(1) 22753
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Checksum",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "checksum",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Checksum",
"setterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum The checksum computed for the disk image.*/",
"setterMethodName" : "setChecksum",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The checksum computed for the disk image.</p>
@param checksum The checksum computed for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "checksum",
  "variableType" : "String",
  "documentation" : "<p>The checksum computed for the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"Format" : {
"c2jName" : "Format",
"c2jShape" : "DiskImageFormat",
"deprecated" : false,
"documentation" : "<p>The disk image format.</p>",
"enumType" : "DiskImageFormat",
"fluentSetterDocumentation" : "/*<p>The disk image format.</p>@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"fluentSetterMethodName" : "withFormat",
"getterDocumentation" : "/*<p>The disk image format.</p>@return The disk image format.
@see DiskImageFormat*/",
"getterMethodName" : "getFormat",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "format",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/*<p>The disk image format.</p>@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"setterMethodName" : "setFormat",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "format",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The disk image format.</p>
@param format The disk image format.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "format",
"variableType" : "String",
"documentation" : "<p>The disk image format.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImportManifestUrl" : {
"c2jName" : "ImportManifestUrl",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p>\n@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportManifestUrl",
"getterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. </p>\n@return Returns a reference to this object so that method calls can be chained together.*/", "getterMethodName" : "getImportManifestUrl"
}
For information about the import manifest referenced by this API action, see [Authenticating REST Requests](http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html) topic in the *Amazon Simple Storage Service Developer Guide*. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the [VM Import Manifest](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html).
Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p>
<p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p

```
/**
 * @param importManifestUrl A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p>

@return Returns a reference to this object so that method calls can be chained together.*/
```

```
"simpleSetterDocumentation" : "A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.

@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3.

@return Returns a reference to this object so that method calls can be chained together.*/
```
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The size of the disk image, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>@param size The size of the disk image, in GiB.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>@return The size of the disk image, in GiB.*/",
"getterMethodName" : "getSize",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Size",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "size",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>@param size The size of the
disk image, in GiB.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>@param size The size of the
disk image, in GiB.<br>\n@return Returns a reference to this object so that method calls can be chained together.*/
"}
disk image, in GiB.

"variable" : {
    "variableDeclarationType" : "Long",
    "variableName" : "size",
    "variableType" : "Long",
    "documentation" : "The size of the disk image, in GiB.",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Format", "Size", "ImportManifestUrl" ],
"shapeName" : "DiskImageDescription",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DiskImageDescription",
    "variableName" : "diskImageDescription",
    "variableType" : "DiskImageDescription",
    "documentation" : null,
    "simpleType" : "DiskImageDescription",
    "variableSetterType" : "DiskImageDescription"
},
"wrapper" : false
,"DiskImageDetail" : {
    "c2jName" : "DiskImageDetail",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Describes a disk image.",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
"c2jName" : "Format",
"c2jShape" : "DiskImageFormat",
"deprecated" : false,
"documentation" : "&lt;p&gt;The disk image format.&lt;/p&gt;",
"enumType" : "DiskImageFormat",
"fluentSetterDocumentation" : "/**&lt;p&gt;The disk image format.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/n&gt;\n@see DiskImageFormat*/",
"fluentSetterMethodName" : "withFormat",
"getterDocumentation" : "/**&lt;p&gt;The disk image format.&lt;/p&gt;\n@return The disk image format.&lt;/n&gt;\n@see DiskImageFormat*/",
"getterMethodName" : "getFormat",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
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    "location" : null,
    "marshallLocationName" : "Format",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "format",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**&lt;p&gt;The disk image format.&lt;/p&gt;\n@param format The disk image format.&lt;/n&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/n&gt;\n@see DiskImageFormat*/",
"setterMethodName" : "setFormat",
"setterModel" : {
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    "variableName" : "format",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"variable" : 
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;The disk image format.&lt;/p&gt;\n  @param format The disk image format.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see DiskImageFormat*/",
  "xmlNameSpaceUri" : null
},
  
  "c2jName" : "Bytes",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The size of the disk image, in GiB.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The size of the disk image, in GiB.&lt;/p&gt;\n  @param bytes The size of the disk image, in GiB.\n  @return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withBytes",
  "getterDocumentation" : "/**&lt;p&gt;The size of the disk image, in GiB.&lt;/p&gt;\n  @return The size of the disk image, in GiB.*",
  "getterMethodName" : "getBytes",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Bytes",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "bytes",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "Bytes",
"setterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param bytes The size of the disk image, in GiB.*/*",
"setterMethodName" : "setBytes",
"setterModel" : {
"variableDeclarationType" : "Long",
"variableName" : "bytes",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the disk image, in GiB.</p>
@param bytes The size of the disk image, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "bytes",
"variableType" : "Long",
"documentation" : "<p>The size of the disk image, in GiB.</p>
",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ImportManifestUrl",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html\">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p>

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html\">VM Import Manifest</a>.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html\">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p>

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html\">VM Import Manifest</a>.
",
"param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the \"Query String Request Authentication Alternative\" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html\">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p>

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html\">VM Import Manifest</a>.
",
"return Returns a reference to this object so that method calls can be chained together.*/*,
For information about the import manifest referenced by this API action, see "<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>".

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the "VM Import Manifest".<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.

@return A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the "VM Import Manifest".

"getterMethodname" : "getImportManifestUrl",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportManifestUrl",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importManifestUrl",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ImportManifestUrl",

"setterDocumentation" : "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object,
read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>
@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.</p>
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.
  
  @return Returns a reference to this object so that method calls can be chained together. */
  
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importManifestUrl",
    "variableType" : "String",
    "documentation" : "A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.
  
  @return Returns a reference to this object so that method calls can be chained together. */
}
"variableDeclarationType" : "Long",
"variableName" : "bytes",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The size of the disk image, in GiB.</p>\n@param bytes The size of
the disk image, in GiB.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "bytes",
"variableType" : "Long",
"documentation" : "<p>The size of the disk image, in GiB.</p>",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"Format" : {
"c2jName" : "Format",
"c2jShape" : "DiskImageFormat",
"deprecated" : false,
"documentation" : "<p>The disk image format.</p>",
"enumType" : "DiskImageFormat",
"fluentSetterDocumentation" : "/**\<p>The disk image format.</p>\n@param format The disk image
format.\n@return Returns a reference to this object so that method calls can be chained together.\n@see
DiskImageFormat*/",
"fluentSetterMethodName" : "withFormat",
"getterDocumentation" : "/**\<p>The disk image format.</p>\n@return The disk image format.\n@see
DiskImageFormat*/",
"getterMethodName" : "getFormat",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Format",
"queryString" : false,
**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. 

@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

@return Returns a reference to this object so that method calls can be chained together.

**/

"getterMethodName" : "getImportManifestUrl",
"getterDocumentation" : "/**
A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. 

@return A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

*/",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportManifestUrl",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importManifestUrl",
}
"fluentSetterDocumentation" : "/**
A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. 

@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

@return Returns a reference to this object so that method calls can be chained together.

**/

"fluentSetterMethodId" : "withImportManifestUrl",
"getterDocumentation" : "/**
A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>. 

@return A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. 

*/",
"getterMethodId" : "getImportManifestUrl",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImportManifestUrl",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "importManifestUrl",
}"
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportManifestUrl",
"setterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the `<a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a>` topic in the `<i>Amazon Simple Storage Service Developer Guide</i>`. For information about the import manifest referenced by this API action, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>`.</p> <p>@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the `<a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a>` topic in the `<i>Amazon Simple Storage Service Developer Guide</i>`. For information about the import manifest referenced by this API action, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>`.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImportManifestUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "importManifestUrl",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the `<a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a>` topic in the `<i>Amazon Simple Storage Service Developer Guide</i>`. For information about the import manifest referenced by this API action, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>`.</p> <p>@param importManifestUrl A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the `<a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a>` topic in the `<i>Amazon Simple Storage Service Developer Guide</i>`. For information about the import manifest referenced by this API action, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>`.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

A presigned URL for the import manifest stored in Amazon S3 and presented here as an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the Authentication REST Requests topic in the Amazon Simple Storage Service Developer Guide. For information about the import manifest referenced by this API action, see VM Import Manifest.

For more information, see:

- "VMDK"
"hasStreamingMember": false,
"marshaller": null,
"members": [
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      "c2jName": "Size",
      "c2jShape": "Long",
      "deprecated": false,
      "documentation": "The size of the volume, in GiB.<p>
      
      "enumType": null,
      "fluentSetterDocumentation": "The size of the volume, in GiB.<p>
      
      "getterDocumentation": "The size of the volume, in GiB.<p>
      
      "getterMethodName": "getSize",
      "getterModel": {
        "returnType": "Long",
        "documentation": null
      },
      "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "Size",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "size",
        "uri": false
      },
      "idempotencyToken": false,
      "list": false,
      "listModel": null,
      "map": false,
      "mapModel": null,
      "name": "Size",
      "setterDocumentation": "The size of the volume, in GiB.<p>
      
      "setterMethodName": "setSize",
      "setterModel": {
        "variableDeclarationType": "Long",
        "variableName": "size",
        "variableType": "Long",
        "documentation": "",
        "simpleType": "Long"}
"variableSetterType": "Long",
"simple": true,
"varargSetterDocumentation": "/**\n* The size of the volume, in GiB.
* \n* @param size The size of the volume, in GiB.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Long",
"variableName": "size",
"variableType": "Long",
"documentation": "<p>The size of the volume, in GiB.</p>",
"simpleType": "Long",
"variableSetterType": "Long"
},
"xmlNameSpaceUri": null
}, {
"c2jName": "Id",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The volume identifier.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n* The volume identifier.
* \n* @param id The volume identifier.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withId",
"getterDocumentation": "/**\n* The volume identifier.
* \n* @return The volume identifier.*/",
"getterMethodName": "getId",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Id",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "id",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"name" : "Id",
"setterDocumentation" : "/**<p>The volume identifier.</p><@param id The volume identifier.*/",
"setterMethodName" : "setId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume identifier.</p><@param id The volume identifier.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "<p>The volume identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "Id" : {
    "c2jName" : "Id",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The volume identifier.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The volume identifier.</p><@param id The volume identifier.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withId",
    "getterDocumentation" : "/**<p>The volume identifier.</p><@return The volume identifier.*/",
    "getterMethodName" : "getId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Id",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "id",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Id",
"setterDocumentation" : "/**<p>The volume identifier.</p>
@param id The volume identifier.*\n",
"setterMethodName" : "setId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume identifier.</p>
@param id The volume identifier.
@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "id",
  "variableType" : "String",
  "documentation" : "<p>The volume identifier.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param size The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*\n",
  "fluentSetterMethodName" : "withSize",
  "getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@return The size of the volume, in GiB.*\n"
"getterMethodName": "getSize",
"getterModel": {
  "returnType": "Long",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Size",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "size",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Size",
"setterDocumentation": "/**\n@param size The size of the volume, in GiB.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setSize",
"setterModel": {
  "variableDeclarationType": "Long",
  "variableName": "size",
  "variableType": "Long",
  "documentation": null,
  "simpleType": "Long",
  "variableSetterType": "Long"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param size The size of the volume, in GiB.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Long",
  "variableName": "size",
  "variableType": "Long",
  "documentation": "The size of the volume, in GiB.",
  "simpleType": "Long",
  "variableSetterType": "Long"
}
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "Id" ],
"shapeName": "DiskImageVolumeDescription",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DiskImageVolumeDescription",
"variableName": "diskImageVolumeDescription",
"variableType": "DiskImageVolumeDescription",
"documentation": null,
"simpleType": "DiskImageVolumeDescription",
"variableSetterType": "DiskImageVolumeDescription"
},
"wrapper": false
],
"DomainType": {
"c2jName": "DomainType",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
{ "name": "Vpc", "value": "vpc" }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required" : null,
"shapeName" : "DomainType",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DomainType",
  "variableName" : "domainType",
  "variableType" : "DomainType",
  "documentation" : null,
  "simpleType" : "DomainType",
  "variableSetterType" : "DomainType"
},
"wrapper" : false
},
"EbsBlockDevice" : {
  "c2jName" : "EbsBlockDevice",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a block device for an EBS volume.<p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "SnapshotId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "The ID of the snapshot.<p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "The ID of the snapshot.<p>{@param snapshotId The ID of the snapshot.<p>{@return Returns a reference to this object so that method calls can be chained together.<p>"",
      "fluentSetterMethodName" : "withSnapshotId",
      "getterDocumentation" : "The ID of the snapshot.<p>{@return The ID of the snapshot.<p>"",
      "getterMethodName" : "getSnapshotId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      }
    }
  ]
}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SnapshotId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "snapshotId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD
(</code>gp2</code>), 4-16384 for Provisioned IOPS SSD (</code>io1</code>), 500-16384 for Throughput Optimized HDD (</code>st1</code>), 500-16384 for Cold HDD (</code>sc1</code>), and 1-1024 for Magnetic (</code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size. 

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (</code>gp2</code>), 4-16384 for Provisioned IOPS SSD (</code>io1</code>), 500-16384 for Throughput Optimized HDD (</code>st1</code>), 500-16384 for Cold HDD (</code>sc1</code>), and 1-1024 for Magnetic (</code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param volumeSize The size of the volume, in GiB.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",

"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (</code>gp2</code>), 4-16384 for Provisioned IOPS SSD (</code>io1</code>), 500-16384 for Throughput Optimized HDD (</code>st1</code>), 500-16384 for Cold HDD (</code>sc1</code>), and 1-1024 for Magnetic (</code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> 
@return The size of the volume, in GiB.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getVolumeSize",

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeSize",
"fluentSetterMethodName" : "withVolumeSize"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@enumVolumeSize The size of the volume, in GiB.</p>\n@param volumeSize The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
@return Returns a reference to this object so that method calls can be chained together.*/", "setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : ",",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@enumVolumeSize The size of the volume, in GiB.</p>\n@param volumeSize The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : ":p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic
(standard) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. Default: If you’re creating the volume from a snapshot and don’t specify a volume size, the default is the snapshot size.

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"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.
\n@return Indicates whether the EBS volume is deleted on instance termination.
\n@returns Indicates whether the EBS volume is deleted on instance termination.</p>*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>*/",}
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n* Indicates whether the EBS volume is deleted on instance termination.\n* @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "Indicates whether the EBS volume is deleted on instance termination.
* @param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
* @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri": null
},
  "c2jName": "VolumeType",
  "c2jShape": "VolumeType",
  "deprecated": false,
  "documentation": "The volume type: \n* \n* Default: \n* @see VolumeType*/",
  "fluentSetterMethodName": "withVolumeType",
  "getterDocumentation": "/**\n* The volume type: \n* Default: \n* @see VolumeType*/",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeType",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>,<code>sc1</code>, or <code>standard</code>. Default: <code>standard</code></p>
@param

@see VolumeType*/",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type: <code>gp2</code>, <code>io1</code>, 
<code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code></p>

@see VolumeType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code></p>

@see VolumeType*/",
"simple" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Iops",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

@return Returns a reference to this object so that method calls can be chained together.

@see withIops

"getterDocumentation" : "The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

@return Returns a reference to this object so that method calls can be chained together.

@see withIops

"fluentSetterMethodName" : "withIops",
"fluentSetterDocumentation" : "The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

@return Returns a reference to this object so that method calls can be chained together.

@see withIops"
IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes. Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.*"/

"getterMethodName" : "getIops",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iops",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/

@param iops The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"setterMethodName" : "setIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
    "simple" : true,
    "varargSetterDocumentation" : "/**\n\nThe number of I/O operations per second (IOPS) that the volume
supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For
<code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume
accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O
credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume
Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
\p>\n\p><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
\p>\n\p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create
<code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
\p>\n\p><p>
\n\p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For
<code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the
baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O
credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume
Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
\p>\n\p><p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
\p>\n\p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create
<code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
\p>\n\p><p>
\n\p><p>@return Returns a reference to this object so that method calls can be chained together.*/",  
    "xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted"
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
@return Returns a reference to this object so that method calls can be chained together.*/*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@return Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableType" : "Boolean"
"variableName" : "encrypted",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "encrypted",
 "variableType" : "Boolean",
 "documentation" : "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
@param encrypted Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
 "DeleteOnTermination" : {
 "c2jName" : "DeleteOnTermination",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Indicates whether the EBS volume is deleted on instance termination.*/",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withDeleteOnTermination",
 "getterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@return Indicates whether the EBS volume is deleted on instance termination.*/",
 "getterMethodName" : "getDeleteOnTermination",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon
}
"simple": true,
"varargSetterDocumentation": "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "encrypted",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption.</p>
  "complexType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"Iops": {
  "c2jName": "Iops",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon Elastic Compute Cloud User Guide</a>.</p>\n  <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>\n  <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/",
  "enumType": null,
  "fluentSetterDocumentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon Elastic Compute Cloud User Guide</a>.</p>\n  <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>\n  <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/"}
This parameter is required for requests to create `<code>io1</code>` volumes; it is not used in requests to create `<code>gp2</code>`, `<code>st1</code>`, `<code>sc1</code>`, or `<code>standard</code>` volumes. 

- **getterDocumentation**: The number of I/O operations per second (IOPS) that the volume supports. For `<code>io1</code>`, this represents the number of IOPS that are provisioned for the volume. For `<code>gp2</code>`, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see the Amazon Elastic Compute Cloud User Guide.

- **getterMethodName**: `getIops`

- **getterModel**:
  - `returnType`: `Integer`
  - `documentation`: `null`

- **http**:
  - `additionalMarshallingPath`: `null`
  - `additionalUnmarshallingPath`: `null`
  - `flattened`: `false`
  - `greedy`: `false`
  - `header`: `false`
  - `isPayload`: `false`
  - `isStreaming`: `false`
  - `location`: `null`
  - `marshallLocationName`: `Iops`
  - `queryString`: `false`
  - `statusCode`: `false`
  - `unmarshallLocationName`: `iops`
  - `uri`: `false`

- **idempotencyToken**: `false`

- **list**: `false`

- **listModel**: `null`

- **map**: `false`

- **mapModel**: `null`
"name" : "iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
@param iops The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/",
"setterMethodName" : "setIops",
"setterModel" : {

"variableDeclarationType" : "Integer",
"variableName" : "iops",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>*/"}
<code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>"/

    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
    "c2jName" : "SnapshotId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/@param snapshotId The ID of the snapshot./n@return Returns a reference to this object so that method calls can be chained together.*"/

    "fluentSetterMethodName" : "withSnapshotId",
    "getterDocumentation" : "/@param The ID of the snapshot./n@return The ID of the snapshot.*"/

    "getterMethodName" : "getSnapshotId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SnapshotId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "snapshotId",
        "fluentSetterMethodName" : "withSnapshotId",
        "getterDocumentation" : "/@param The ID of the snapshot./n@return The ID of the snapshot.*"/
    }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**\n<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**\nThe ID of the snapshot.
@param snapshotId The ID of the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeSize" : {
  "c2jName" : "VolumeSize",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiB.</p>
<p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nThe size of the volume, in GiB.
<p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@param volumeSize The size of the volume, in GiB.</p>
<p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
Constraints: 1-16384 for General Purpose SSD (gp2), 4-16384 for Provisioned IOPS SSD (io1), 500-16384 for Throughput Optimized HDD (st1), 500-16384 for Cold HDD (sc1), and 1-1024 for Magnetic (standard) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@return The size of the volume, in GiB.

Constraints: 1-16384 for General Purpose SSD (gp2), 4-16384 for Provisioned IOPS SSD (io1), 500-16384 for Throughput Optimized HDD (st1), 500-16384 for Cold HDD (sc1), and 1-1024 for Magnetic (standard) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
@param volumeSize The size of the volume, in GiB.</p>

### Constraints

- 1-16384 for General Purpose SSD ('gp2'), 4-16384 for Provisioned IOPS SSD ('io1'), 500-16384 for Throughput Optimized HDD ('st1'), 500-16384 for Cold HDD ('sc1'), and 1-1024 for Magnetic ('standard') volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.
- Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

### Setter Method

- **setVolumeSize**

```

setterMethodName": "setVolumeSize",
"setterModel": {
    "variableDeclarationType": "Integer",
    "variableName": "volumeSize",
    "variableType": "Integer",
    "documentation": "",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/** The size of the volume, in GiB.

Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@param volumeSize The size of the volume, in GiB.

### Constraints

- 1-16384 for General Purpose SSD ('gp2'), 4-16384 for Provisioned IOPS SSD ('io1'), 500-16384 for Throughput Optimized HDD ('st1'), 500-16384 for Cold HDD ('sc1'), and 1-1024 for Magnetic ('standard') volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.
- Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@return Returns a reference to this object so that method calls can be chained together.

```
```

**enumType**: "VolumeType",

**fluentSetterDocumentation**: "/**
The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@constructor
@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@returns {VolumeType}

**getterDocumentation**: "/**
The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@method

**getterMethodName**: "getVolumeType",

**getterModel**: {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String"
}

**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "null",
  "marshallLocationName": "VolumeType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "volumeType",
  "uri": false
}

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "VolumeType",

**setterDocumentation**: "/**
The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@constructor
@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@returns {VolumeType}

**setterMethodName**: "setVolumeType",

**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>. Default: <code>standard</code></p>
@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>,<code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>
@return Returns a reference to this object so that method calls can be chained together.</p>\@see VolumeType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.

@param volumeType The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>,<code>sc1</code>, or <code>standard</code>. Default: <code>standard</code>

@see VolumeType*/",
"variable" : {
"variableDeclarationType" : "EbsBlockDevice",
"variableName" : "ebsBlockDevice",
"variableType" : "EbsBlockDevice",
"documentation" : null,
"simpleType" : "EbsBlockDevice",
"variableSetterType" : "EbsBlockDevice"
},
"wrapper" : false
},
"EbsInstanceBlockDevice" : {
"c2jName" : "EbsInstanceBlockDevice",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
}
}
"deprecated" : false,
"documentation" : "<p>Describes a parameter used to set up an EBS volume in a block device mapping.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@return The ID of the EBS volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null 
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeId",
  "uri" : false 
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return The ID of the EBS volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@<p>The ID of the EBS volume.</p>\n@param volumeId The ID of the EBS volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the EBS volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
    "c2jName" : "Status",
    "c2jShape" : "AttachmentStatus",
    "deprecated" : false,
    "documentation" : "<p>The attachment state.</p>",
    "enumType" : "AttachmentStatus",
    "fluentSetterDocumentation" : "/**\n@param status The attachment state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/**\n@return The attachment state.\n@see AttachmentStatus*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Status",
        "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@see AttachmentStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The attachment state.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "AttachTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
"getterMethodName" : "getAttachTime",
"getterModel" : {
"variableDeclarationType" : "String",
"variableName" : "attachTime",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*/",
"setterMethodName" : "setAttachTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicates whether the volume is deleted on instance termination.
 */\n @param deleteOnTermination Indicates whether the volume is deleted on instance termination.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**\n * Indicates whether the volume is deleted on instance termination.\n */\n \n @return Indicates whether the volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**\n * Indicates whether the volume is deleted on instance termination.\n */\n @param deleteOnTermination Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean"
"variableSetterType": "Boolean",
",
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the volume is deleted on instance termination.</p>\n@param deleteOnTermination Indicates whether the volume is deleted on instance termination.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the volume is deleted on instance termination.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},

"membersAsMap": {
  "AttachTime": {
    "c2jName": "AttachTime",
    "c2jShape": "DateTime",
    "deprecated": false,
    "documentation": "<p>The time stamp when the attachment initiated.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAttachTime",
    "getterDocumentation": "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
    "getterMethodName": "getAttachTime",
    "getterModel": {
      "returnType": "java.util.Date",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "AttachTime",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "attachTime",
      "uri": false
    }
  }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AttachTime",
"setterDocumentation": "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*/",
"setterMethodName": "setAttachTime",
"setterModel": {
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  "variableName": "attachTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
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"simple": true,
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@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "attachTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time stamp when the attachment initiated.</p>
"simpleType": "Date",
  "variableSetterType": "java.util.Date"
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  "deprecated": false,
  "documentation": "<p>Indicates whether the volume is deleted on instance termination.</p>
"enumType": null,
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@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDeleteOnTermination",
  "getterDocumentation": "/**<p>Indicates whether the volume is deleted on instance termination.</p>
"getterMethodName": "getDeleteOnTermination",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "deleteOnTermination",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteOnTermination",
"setterDocumentation": "/**p>Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
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  "variableType": "Boolean",
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"varargSetterDocumentation": "/**p>Indicates whether the volume is deleted on instance termination.*/\n@param deleteOnTermination Indicates whether the volume is deleted on instance termination.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the volume is deleted on instance termination.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "AttachmentStatus",
  "deprecated" : false,
  "documentation" : "<p>The attachment state.</p>",
  "enumType" : "AttachmentStatus",
  "fluentSetterDocumentation" : "/**<p>The attachment state.</p>
@see AttachmentStatus*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The attachment state.</p>
@see AttachmentStatus*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
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    "isStreaming" : false,
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    "unmarshallLocationName" : "status",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Status",
  "setterDocumentation" : "/**<p>The attachment state.</p>
@see AttachmentStatus*/",
  "setterMethodName" : "setStatus",
  "setterModel" : {
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    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
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@return Returns a reference to this object so that method calls can be chained together.
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/*\<p>The ID of the EBS volume.\</p>\n@\return The ID of the EBS volume.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
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* \n* @param volumeId The ID of the EBS volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
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    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the EBS volume.
* \n* @param volumeId The ID of the EBS volume.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "The ID of the EBS volume.
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"required" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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    "variableType" : "EbsInstanceBlockDevice",
    "documentation" : null,
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    "variableSetterType" : "EbsInstanceBlockDevice"
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    "threejName" : "EbsInstanceBlockDeviceSpecification",
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    "required" : null,
    "shapeName" : "EbsInstanceBlockDeviceSpecification",
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        "resultWrapper" : null
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        "variableType" : "EbsInstanceBlockDeviceSpecification",
        "documentation" : null,
        "simpleType" : "EbsInstanceBlockDeviceSpecification",
        "variableSetterType" : "EbsInstanceBlockDeviceSpecification"
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    "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Describes information used to set up an EBS volume specified in a block device mapping.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the EBS volume.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@return The ID of the EBS volume.
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "statusCode" : false,
        "unmarshallLocationName" : "volumeId",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the EBS volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@return Indicates whether the volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "deleteOnTermination",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": /**<p>Indicates whether the volume is deleted on instance termination.\n@param deleteOnTermination Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
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  "documentation": "",
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"variable": {
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  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the volume is deleted on instance termination.\n</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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    "c2jShape": "Boolean",
    "deprecated": false,
"documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@return Indicates whether the volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.*/"
termination.

@returns {null} Returns a reference to this object so that method calls can be chained together.

"variable" : {
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  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the volume is deleted on instance termination.

@returns {null} Returns a reference to this object so that method calls can be chained together.

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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the EBS volume.

@returns {null} Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation" : "The ID of the EBS volume.

@returns {null} Returns a reference to this object so that method calls can be chained together.

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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeId",
  "uri" : false,
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the EBS volume.</p>
@param volumeId The ID of the EBS volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EbsInstanceBlockDeviceSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"wrapper" : false,
"EgressOnlyInternetGateway" : {
  "c2jName" : "EgressOnlyInternetGateway",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"deprecated": false,
"documentation": "Describes an egress-only Internet gateway.
<p>The ID of the egress-only Internet gateway.</p>
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
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    "c2jShape": "EgressOnlyInternetGatewayId",
    "deprecated": false,
    "documentation": "The ID of the egress-only Internet gateway.
<p>The ID of the egress-only Internet gateway.</p>
"enumType": null,
    "fluentSetterDocumentation": "The ID of the egress-only Internet gateway.
@param The ID of the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*",
    "fluentSetterMethodName": "withEgressOnlyInternetGatewayId",
    "getterDocumentation": "The ID of the egress-only Internet gateway.
@return The ID of the egress-only Internet gateway.*",
    "getterMethodName": "getEgressOnlyInternetGatewayId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "egressOnlyInternetGatewayId",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
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"setterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p><p@param
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"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
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  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p><p@param
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  "variableType" : "String",
  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "Attachments",
"c2jShape" : "InternetGatewayAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the attachment of the egress-only Internet gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Attachments",
"c2jShape" : "InternetGatewayAttachmentList",
"deprecated" : false,
"documentation" : "<p>Information about the attachment of the egress-only Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the attachment of the egress-only Internet gateway.</p><p@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Information about the attachment of the egress-only Internet gateway.</p>*/",
"getterMethodName" : "getAttachments",
"getterModel" : {
  "returnType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InternetGatewayAttachment",
  "documentation" : "",
  "simpleType" : "InternetGatewayAttachment",
  "variableSetterType" : "InternetGatewayAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "InternetGatewayAttachment",
  "documentation" : "",
  "simpleType" : "InternetGatewayAttachment",
  "variableSetterType" : "InternetGatewayAttachment"
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"xmlNameSpaceUri" : null,
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"memberType" : "InternetGatewayAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGatewayAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**<p>Information about the attachment of the egress-only Internet gateway.</p>
@param attachments Information about the attachment of the egress-only Internet gateway.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>"
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**\n@param attachments Information about the attachment of the egress-only Internet gateway.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>"}
"variableSetterType" : "java.util.Collection<InternetGatewayAttachment>" |
| "simple" : false, |
| "varargSetterDocumentation" : "*/**<p>Information about the attachment of the egress-only Internet
gateway.</p><p>Note:</p><b>Note:</b> This method appends the values to the existing list (if any). Use { @link
#setAttachments(java.util.Collection) } or { @link #withAttachments(java.util.Collection) } if you want to override
the existing values.</p>

\n\n@returns Returns a reference to this object so that method calls can be chained together. */", |
| "variable" : { |
| "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>" |
| "variableName" : "attachments", |
| "variableType" : "java.util.List<InternetGatewayAttachment>" |
| "documentation" : "Information about the attachment of the egress-only Internet
gateway." |
| "simpleType" : "List<InternetGatewayAttachment>", |
| "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>" |
| "xmlNameSpaceUri" : null |
| } }, |
| "membersAsMap" : { |
| "Attachments" : { |
| "c2jName" : "Attachments", |
| "c2jShape" : "InternetGatewayAttachmentList", |
| "deprecated" : false, |
| "documentation" : "Information about the attachment of the egress-only Internet
gateway." |
| "enumType" : null, |
| "fluentSetterDocumentation" : "*/**<p>Information about the attachment of the egress-only Internet
gateway.</p><p>Note:</p><b>Note:</b> This method appends the values to the existing list (if any). Use { @link
#setAttachments(java.util.Collection) } or { @link #withAttachments(java.util.Collection) } if you want to override
the existing values.</p>

\n\n@returns Returns a reference to this object so that method calls can be chained together. */", |
| "fluentSetterMethodName" : "withAttachments", |
| "getterDocumentation" : "*/**<p>Information about the attachment of the egress-only Internet
gateway.</p><p>Note:</p><b>Note:</b> This method appends the values to the existing list (if any). Use { @link
#setAttachments(java.util.Collection) } or { @link #withAttachments(java.util.Collection) } if you want to override
the existing values.</p>

\n\n@returns Returns a reference to this object so that method calls can be chained together. */", |
| "getterMethodName" : "getAttachments", |
| "getterModel" : { |
| "returnType" : "java.util.List<InternetGatewayAttachment>" |
| "documentation" : null |
| }, |
| "http" : { |
| "additionalMarshallingPath" : null, |
| "additionalUnmarshallingPath" : null, |
| "flattened" : false, |
| "greedy" : false, |
| "header" : false, |
| "isPayload" : false, |
| "isStreaming" : false, |
| "location" : null, |
| "marshallLocationName" : "AttachmentSet", |
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InternetGatewayAttachment",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getDocumentation" : "/**\n@return */",
    "getMethodName" : "getMember",
    "getModel" : {
      "returnType" : "InternetGatewayAttachment",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
  },
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"setterModel": {
  "variableDeclarationType": "InternetGatewayAttachment",
  "variableName": "member",
  "variableType": "InternetGatewayAttachment",
  "documentation": "",
  "simpleType": "InternetGatewayAttachment",
  "variableSetterType": "InternetGatewayAttachment"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member  
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InternetGatewayAttachment",
  "variableName": "member",
  "variableType": "InternetGatewayAttachment",
  "documentation": "",
  "simpleType": "InternetGatewayAttachment",
  "variableSetterType": "InternetGatewayAttachment"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InternetGatewayAttachment",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InternetGatewayAttachment",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
"templateType": "java.util.List<InternetGatewayAttachment>"
},
"map": false,
"mapModel": null,
"name": "Attachments",
"setterDocumentation": "/**<p>Information about the attachment of the egress-only Internet gateway.</p>
@param attachments Information about the attachment of the egress-only Internet gateway.*/",
"setterMethodName": "setAttachments",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName": "attachments",
  "variableType": "java.util.List<InternetGatewayAttachment>",
  "documentation": "",
  "simpleType": "List<InternetGatewayAttachment>",
  "variableSetterType": "java.util.Collection<InternetGatewayAttachment>"
},
"simple": false,
"varargSetterDocumentation" : "/**<p>Information about the attachment of the egress-only Internet gateway.</p>

**NOTE:** This method appends the values to the existing list (if any). Use [@link
#setAttachments(java.util.Collection)] or @link withAttachments(java.util.Collection) if you want to override
the existing values.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "<p>Information about the attachment of the egress-only Internet gateway.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAttachments(java.util.Collection)} or @link #withAttachments(java.util.Collection) if you want to override
the existing values.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"xmlNameSpaceUri" : null
},

"EgressOnlyInternetGatewayId" : {
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "EgressOnlyInternetGatewayId",
  "deprecated" : false,
  "documentation" : "The ID of the egress-only Internet gateway.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withEgressOnlyInternetGatewayId",

"getterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>

@returns The ID of the egress-only Internet gateway.*/",

"getterMethodName" : "getEgressOnlyInternetGatewayId",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EgressOnlyInternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "egressOnlyInternetGatewayId",
  "uri" : false
},

"idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EgressOnlyInternetGatewayId",
"setterDocumentation": "/**
<p>The ID of the egress-only Internet gateway.</p>
@param
egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.*\n**/",
"setterMethodName": "setEgressOnlyInternetGatewayId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "egressOnlyInternetGatewayId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The ID of the egress-only Internet gateway.</p>
@param
egressOnlyInternetGatewayId The ID of the egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*\n**/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "egressOnlyInternetGatewayId",
  "variableType": "String",
  "documentation": "<p>The ID of the egress-only Internet gateway.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "EgressOnlyInternetGateway",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "EgressOnlyInternetGateway",
  "variableName": "egressOnlyInternetGateway",
  "variableType": "EgressOnlyInternetGateway",
  "documentation": null,
  "simpleType": "EgressOnlyInternetGateway",
  "variableSetterType": "EgressOnlyInternetGateway"
},
"wrapper": false
"EnableVgwRoutePropagationRequest" : {
  "c2jName" : "EnableVgwRoutePropagationRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for EnableVgwRoutePropagation.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "EnableVgwRoutePropagation",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "RouteTableId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the route table.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@ln@param routeTableId The ID of the route table.\nn@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRouteTableId",
    "getterDocumentation" : "/**<p>The ID of the route table.</p>
@ln@return The ID of the route table.*/",
    "getterMethodName" : "getRouteTableId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "marshalLocationName" : null,
      "requestUri" : "/",
      "target" : null,
      "verb" : "POST",
      "xmlNameSpaceUri" : null
    }
  }]
}
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.</p>

*/
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.</p>

*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "GatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
  @param gatewayId The ID of the virtual private gateway.
  @return Returns a reference to this object so that method calls can be chained together.</p>

*/

"fluentSetterMethodName" : "withGatewayId",
"getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
  @return The ID of the virtual private gateway.</p>

*/
"getterMethodName" : "getGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param gatewayId The ID of the virtual private gateway.*/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param gatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"GatewayId" : {
    "c2jName" : "GatewayId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.
@see
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGatewayId",
    "getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.
@see
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getGatewayId",
    "getterModel" : {
        "variableDeclarationType" : "string",
        "variableName" : "gatewayId",
        "variableType" : "string"
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "GatewayId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "GatewayId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "GatewayId",
    "setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.
@see
@returns Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setGatewayId",
    "setterModel" : {
        "variableDeclarationType" : "string",
        "variableName" : "gatewayId",
        "variableType" : "string"
    }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>
@param gatewayId The ID of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "gatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RouteTableId" : {
  "c2jName" : "RouteTableId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRouteTableId",
  "getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
  "getMethodName" : "getRouteTableId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RouteTableId",
    "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RouteTableId",
"setterDocumentation": "/**<p>The ID of the route table.
\n@param routeTableId The ID of the route table.*/",
"setterMethodName": "setRouteTableId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "",
  "complexType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the route table.
\n@param routeTableId The ID of the route table.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "<p>The ID of the route table.</p>",
  "complexType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "RouteTableId", "GatewayId" ],
"shapeName": "EnableVgwRoutePropagationRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "EnableVgwRoutePropagationRequest",
  "variableName": "enableVgwRoutePropagationRequest",
  "variableType": "EnableVgwRoutePropagationRequest",
  "documentation": null,
  "complexType": "EnableVgwRoutePropagationRequest",
  "variable SetterType": "EnableVgwRoutePropagationRequest"
},
"wrapper": false
},
"EnableVgwRoutePropagationResult": {
"c2jName": "EnableVgwRoutePropagationResult",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": null,
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "EnableVgwRoutePropagationResult",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "EnableVgwRoutePropagationResult",
  "variableName": "enableVgwRoutePropagationResult",
  "variableType": "EnableVgwRoutePropagationResult",
  "documentation": null,
  "simpleType": "EnableVgwRoutePropagationResult",
  "variableSetterType": "EnableVgwRoutePropagationResult"
},
"wrapper": false
},
"EnableVolumeIORequest": {
  "c2jName": "EnableVolumeIORequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the parameters for EnableVolumeIO.</p>",
  "enums": null,
  "errorCode": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
	"action" : "EnableVolumeIO",
	"locationName" : null,
	"requestUri" : "/",
	"target" : null,
	"verb" : 'POST',
	"xmlNameSpaceUri" : null
},
"members" : [ {
	"c2jName" : "VolumeId",
	"c2jShape" : "String",
	"deprecated" : false,
	"documentation" : "<p>The ID of the volume.</p>",
	"enumType" : null,
	"fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
	"fluentSetterMethodName" : "withVolumeId",
	"getterDocumentation" : "/**<p>The ID of the volume.</p>\n@return The ID of the volume.*/",
	"getterMethodName" : "getVolumeId",
	"getterModel" : {
		"returnType" : "String",
		"documentation" : null
	},
	"http" : {
		"additionalMarshallingPath" : null,
		"additionalUnmarshallingPath" : null,
		"flattened" : false,
		"greedy" : false,
		"header" : false,
		"isPayload" : false,
		"isStreaming" : false,
		"location" : null,
		"marshallLocationName" : "VolumeId",
		"queryString" : false,
		"statusCode" : false,
		"unmarshallLocationName" : "volumeId",
		"uri" : false
	},
	"idempotencyToken" : false,
	"list" : false,
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	"map" : false,
	"mapModel" : null,
	"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jName" : "VolumeId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the volume.</p>
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeId",
    "getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
    "getterMethodName" : "getVolumeId",
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      "documentation" : null
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      "header" : false,
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      "location" : null,
    }
  }
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"unmarshallLocationName" : "volumeId",
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 */\n\n@param volumeId The ID of the volume.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n * The ID of the volume.
 */\n\n@param volumeId The ID of the volume.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "The ID of the volume.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "EnableVolumeIORequest",
  "documentation" : null,
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  "variableSetterType" : "EnableVolumeIORequest"
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    "skipGeneratingUnmarshaller" : false
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  "documentation" : null,
  "enums" : null,
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  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
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  "wrapper" : false
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  "members" : null,
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  "requestSignerClassFqcn" : null,
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  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
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@return
Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*",
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
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      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
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      "uri" : false
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    "list" : false,
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/", "variable": {
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  "variableSetterType": "String"
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    "c2jShape": "String",
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    "enumType": null,
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
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"isStreaming" : false,
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"uri" : false
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"setterDocumentation" : "/**<p>The ID of the VPC.</p>
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  "variableName" : "vpcId",
  "variableType" : "String",
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  "variableSetterType" : "String"
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
"required" : null,
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"documentation": null,
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"variableSetterType": "EnableVpcClassicLinkDnsSupportRequest"
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"wrapper": false
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"EnableVpcClassicLinkDnsSupportResult": {
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"documentation": "<p>Contains the output of EnableVpcClassicLinkDnsSupport.</p>",
"enums": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
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"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"enumType": null,
"getterDocumentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getReturn",
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"documentation": null
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"greedy": false,
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"statusCode" : false,
"unmarshallLocationName" : "return",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnVal Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
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  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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  "Return" : {
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    "c2jShape" : "Boolean",
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    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>"}},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it
returns an error.</p>\n@param returnValue <code>true</code> if the request succeeds; otherwise, it returns
an error.</p>\n@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an
error.</p>\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an
error.</p>\n@param returnValue <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
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  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it
returns an error.</p>\n@param returnValue <code>true</code> if the request succeeds; otherwise, it returns
an error.
*/"}
an error.<n@returns a reference to this object so that method calls can be chained together.*/
    
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        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
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"requestSignerClassFqn" : null,
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    "resultWrapper" : null
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    "variableType" : "EnableVpcClassicLinkDnsSupportResult",
    "documentation" : null,
    "simpleType" : "EnableVpcClassicLinkDnsSupportResult",
    "variableSetterType" : "EnableVpcClassicLinkDnsSupportResult"
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"wrapper" : false
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"EnableVpcClassicLinkRequest" : {
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    "customization" : {
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for EnableVpcClassicLink.</p>",
    "enums" : null,
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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        "resultWrapper" : null
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"target" : null,
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
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"variableName" : "vpcId",
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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@return
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@return
Returns a reference to this object so that method calls can be chained together.*/",
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@return
Returns a reference to this object so that method calls can be chained together.*/",
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@return
Returns a reference to this object so that method calls can be chained together.*/",
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@return
Returns a reference to this object so that method calls can be chained together.*/",
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@return
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@param vpcId The ID of the VPC.
@return
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
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"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
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"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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* @param vpcId The ID of the VPC.
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  "variableSetterType" : "String"
},
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* @param vpcId The ID of the VPC
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableSetterType" : "String"
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  "documentation" : null,
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"EnableVpcClassicLinkResult" : {
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  "name" : "VpcId",
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* The ID of the VPC.
* @param vpcId The ID of the VPC.
*/",
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    "variableSetterType" : "String"
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* The ID of the VPC.
* @param vpcId The ID of the VPC
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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}
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  "skipGeneratingUnmarshaller": false
},
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
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    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
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   特别声明: Returns a reference to this object so that method calls can be chained together.*"/
    ,
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    @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
    @return Returns a reference to this object so that method calls can be chained together.*"/
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    "getterDocumentation": "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
    @return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*"/
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      "documentation": null
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    "greedy": false,
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    "isStreaming": false,
    "location": null,
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    "queryString": false,
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    "unmarshallLocationName": "return",
    "url": false
  },
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"list" : false,
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"map" : false,
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"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>*/
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n</p>
",
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  "variableSetterType" : "Boolean"
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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
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"documentation" : null
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "return",
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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.

@return Returns a reference to this object so that method calls can be chained together.*/",

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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>

@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.

@return Returns a reference to this object so that method calls can be chained together.*/",

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@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.

@return Returns a reference to this object so that method calls can be chained together.*/",

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  "documentation": null,
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  "variableSetterType": "EventCode"
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    "documentation": "<p>The ID of the instance. This information is available only for"}]}
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The ID of the instance. This information is available only for

@param instanceId The ID of the instance. This information is
available only for

@return Returns a reference to this object so that method
calls can be chained together.

@return The ID of the instance. This information is available only for

getters:

- **getInstanceId**
  - **returnType** : "String"
  - **documentation** : null

setters:

- **setInstanceId**
  - **variableDeclarationType** : "String"
  - **variableName** : "instanceId"
  - **variableType** : "String"
  - **documentation** : ""
  - **simpleType** : "String"
  - **variableSetterType** : "String"
"simple": true,
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<code>instanceChange</code> events.</p>*/
@param instanceId The ID of the instance. This information is available only for
<code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "variableType": "String",
  "documentation": "<p>The ID of the instance. This information is available only for
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},
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The event.</p> 
<p>The following are the <code>error</code> events.</p> 
<ul>
  <li>  
<p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> </ul> 
<p>The following are the <code>fleetRequestChange</code> events.</p> 
<ul>
  <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> </ul> 
<p>The following are the <code>instanceChange</code> events.</p> 
<ul>
  <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul> 
"enumType": null,
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<p>The following are the <code>error</code> events.</p> 
<ul>
  <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> </ul> 
<p>The configuration is not valid and several attempts to launch
instances have failed. For more information, see the description of the event.<p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.<p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.\p> </li> <ul> <li> </li> </ul> <p>The following are the <code>fleetRequestChange</code> events.</p> <ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.<p> </li> <li> <p> <code>canceled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.<p> </li> <li> <p> <code>canceled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.<p> </li> <li> <p> <code>canceled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.<p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.<p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.<p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.<p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.<p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.<p> </li> </ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.<p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.<p> </li> </ul> <p>The following are the <code>error</code> events.</p> <ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.<p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.<p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The Spot fleet request was created with <code>TerminateInstancesWithExpiration</code> set.<p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.<p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.<p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.<p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.<p> </li> </ul> <p>The following are the <code>fleetRequestChange</code> events.</p> <ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.<p> </li> <li> <p> <code>canceled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.<p> </li> <li> <p> <code>canceled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.<p> </li> <li> <p> <code>canceled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.<p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.<p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.<p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.<p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.<p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.<p> </li> </ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.<p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.<p> </li> </ul>
launch or terminate an instance.</p> <li><p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> <li><p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> <li><p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> <li><p> The following are the <code>fleetRequestChange</code> events.</p> <li><p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> <li><p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> <li><p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> <li><p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> 
</li></ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul> <p>The following are the <code>error</code> events.</p> <ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> </ul> <p>The following are the <code>fleetRequestChange</code> events.</p> <ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> </ul> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> 
*/

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},
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"greedy" : false,
"header" : false,
"isPayload" : false,
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"statusCode" : false,
"unmarshallLocationName" : "eventSubType",
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"map" : false,
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"name" : "EventSubType",
"setterDocumentation" : "/**<p>The event.</p> <p>The following are the <code>error</code> events.</p> 
<ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li> <li> <p> The following are the <code>fleetRequestChange</code> events.</p> 
<ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li> <li> <p> <code>cancel</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>canceled</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li> <li> <p> <code>cancelling</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> <li> <p> The following are the <code>instanceChange</code> events.</p> </li> <li> <p> <code>instanceChange</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul>
"@param eventSubType The event." <p>The following are the
<code>error</code> events. The Spot fleet did not have the required permissions either to launch or terminate an instance. The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

- <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance. The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

- <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

- <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.

- <code>spotInstanceLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch. The following are the events:

- <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.

- <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

- <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.

- <code>spotInstanceLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch. The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.

- <code>canceled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.

- <code>canceled_running</code> - The Spot fleet is canceled and its Spot instances are terminating.

- <code>canceled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating. A subsequent event indicates that the instances were terminated, if the request was created with Amazon EC2 preparing to launch the target number of Spot instances.

- <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.

- <code>modify_successful</code> - The Spot fleet request was modified.

- <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.

- <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.

- <code>terminated</code> - An instance was terminated by the user.

The following are the <code>fleetRequestChange</code> events:

- <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.

- <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.

- <code>cancelled_running</code> - The Spot fleet is canceled and its Spot instances are terminating.

- <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating. A subsequent event indicates that the instances were terminated, if the request was created with Amazon EC2 preparing to launch the target number of Spot instances.

- <code>expiring</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with Amazon EC2 preparing to launch the target number of Spot instances.

- <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.

- <code>modify_successful</code> - The Spot fleet request was modified.

- <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.

- <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.

- <code>terminated</code> - An instance was terminated by the user.
canceled and its Spot instances are terminating. &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;expired&lt;/code&gt; - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with &lt;code&gt;TerminateInstancesWithExpiration&lt;/code&gt; set.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;modify_in_progress&lt;/code&gt; - A request to modify the Spot fleet request was accepted and is in progress.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;modify_successful&lt;/code&gt; - The Spot fleet request was modified.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;price_update&lt;/code&gt; - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;submitted&lt;/code&gt; - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;launched&lt;/code&gt; - The following are the &lt;code&gt;instanceChange&lt;/code&gt; events. &lt;/ul&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;canceled&lt;/code&gt; - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;cancelled_running&lt;/code&gt; - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;cancelled_terminating&lt;/code&gt; - The Spot fleet is canceled and its Spot instances are terminating.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;modified_in_progress&lt;/code&gt; - The Spot fleet request was modified.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;price_update&lt;/code&gt; - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;submitted&lt;/code&gt; - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;terminated&lt;/code&gt; - An instance was terminated by the user.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;launchSpecTemporarilyBlacklisted&lt;/code&gt; - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;spotFleetRequestConfigurationInvalid&lt;/code&gt; - The configuration is not valid. For more information, see the description of the event.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;spotInstanceCountLimitExceeded&lt;/code&gt; - You've reached the limit on the number of Spot instances that you can launch.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;active&lt;/code&gt; - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;launched&lt;/code&gt; - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;cancelled&lt;/code&gt; - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;cancelled_terminating&lt;/code&gt; - The Spot fleet is canceled and its Spot instances are terminating.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;modified_in_progress&lt;/code&gt; - A request to modify the Spot fleet request was accepted and is in progress.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;modify_successful&lt;/code&gt; - The Spot fleet request was modified.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;price_update&lt;/code&gt; - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;submitted&lt;/code&gt; - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;launched&lt;/code&gt; - A bid was fulfilled and a new instance was launched.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;terminated&lt;/code&gt; - An instance was terminated by the user.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;launchSpecTemporarilyBlacklisted&lt;/code&gt; - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;spotFleetRequestConfigurationInvalid&lt;/code&gt; - The configuration is not valid. For more information, see the description of the event.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;spotInstanceCountLimitExceeded&lt;/code&gt; - You've reached the limit on the number of Spot instances that you can launch.&lt;/p&gt; &lt;/li&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt; &lt;code&gt;active&lt;/code&gt; - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the
target number of running Spot instances.</p> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li> </ul>
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The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.

@return Returns a reference to this object so that method calls can be chained together.*/

        /**
         * The event.
         * The following are the <code>error</code> events.
         *<code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.

@return Returns a reference to this object so that method calls can be chained together.*/

        /**
         * The event.
         * The following are the <code>error</code> events.
         *<code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.</p> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> <li> <p> <code>terminated</code> - An instance was terminated by the user.

@return Returns a reference to this object so that method calls can be chained together.*/

        /**
         * The event.
         * The following are the <code>error</code> events.
         *<code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
accepted and is in progress.

- The Spot fleet request was modified.
- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.

The following are the events:

- A bid was fulfilled and a new instance was launched.
- An instance was terminated by the user.
- The Spot fleet did not have the required permissions either to launch or terminate an instance.

The following are the events:

- The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.

The following are the events:

- The configuration is not valid. For more information, see the description of the event.

The following are the events:

- The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
- The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
- The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
- The Spot fleet is canceled and its Spot instances are terminating.
- The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with set.

The following are the events:

- A request to modify the Spot fleet request was accepted and is in progress.
- The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.

The following are the events:

- An instance was terminated by the user.
"unmarshallLocationName" : "eventSubType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventSubType",
"setterDocumentation" : "/**<p>The event.</p>
The following are the <code>error</code> events.</p>
<ul>
<li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</p> </li>
<li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li>
<li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li>
<li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li>
<li> <p> <code>fleetRequestChange</code> events.</p> </li>
<li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li>
<li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li>
<li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li>
<li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li>
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li>
<li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li>
<li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li>
<li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li>
<li> <p> <code>submittable</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li>
<li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li>
<li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li>
</ul>
<p>The following are the <code>instanceChange</code> events.</p>
<ul>
<li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</p> </li>
<li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</p> </li>
<li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li>
<li> <p> <code>fleetRequestChange</code> events.</p> </li>
<li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li>
<li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li>
<li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</p> </li>
<li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li>
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with
<code>TerminateInstancesWithExpiration</code> set.</li> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</li> <p>The following are the <code>instanceChange</code> events.</p> <ul> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</li> </ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</li> <li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</li> </ul> <p>The following are the <code>error</code> events.</p> <ul> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The configuration is not valid. For more information, see the description of the event.</li> </ul> <p>The following are the <code>fleetRequestChange</code> events.</p> <ul> <li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</li> <li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</li> <li> <p> <code>cancelled_running</code> - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.</li> <li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</li> <li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</li> </ul> <li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</li> <li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</li> <li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</li> <li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</li> <li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</li> <li> <p> <code>terminated</code> - An instance was terminated by the user.</li> <li> <p> <code>iamFleetRoleInvalid</code> - The Spot fleet did not have the required permissions either to launch or terminate an instance.</li> <li> <p> <code>launchSpecTemporarilyBlacklisted</code> - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.</li> <li> <p> <code>spotFleetRequestConfigurationInvalid</code> - The
configuration is not valid. For more information, see the description of the event.
</li>
<li> <p> <code>spotInstanceCountLimitExceeded</code> - You've reached the limit on the number of Spot instances that you can launch.</p> </li>
<li> <p> The following are the <code>fleetRequestChange</code> events. </p> </li>
<li> <p> <code>active</code> - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.</p> </li>
<li> <p> <code>cancelled</code> - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.</p> </li>
<li> <p> <code>cancelled_terminating</code> - The Spot fleet is canceled and its Spot instances are terminating.</p> </li>
<li> <p> <code>expired</code> - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with <code>TerminateInstancesWithExpiration</code> set.</p> </li>
<li> <p> <code>modify_in_progress</code> - A request to modify the Spot fleet request was accepted and is in progress.</p> </li>
<li> <p> <code>modify_successful</code> - The Spot fleet request was modified.</p> </li>
<li> <p> <code>price_update</code> - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.</p> </li>
<li> <p> <code>submitted</code> - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.</p> </li>
<li> <p> The following are the <code>instanceChange</code> events. </p> </li>
<li> <p> <code>launched</code> - A bid was fulfilled and a new instance was launched.</p> </li>
<li> <p> <code>terminated</code> - An instance was terminated by the user.</p> </li>
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"simpleType": "String",
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},
"xmlNameSpaceUri": null
},
"InstanceId": {
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  "documentation": "<p>The ID of the instance. This information is available only for
<code>instanceChange</code> events.</p>",
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<code>instanceChange</code> events.</p>
@param instanceId The ID of the instance. This information is available only for
<code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withInstanceId",
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<code>instanceChange</code> events.</p>
@return The ID of the instance. This information is available only for
<code>instanceChange</code> events.*/",
  "getterMethodName": "getInstanceId",
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"http": {
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<code>instanceChange</code> events.</p>
@param instanceId The ID of the instance. This information is available only for
<code>instanceChange</code> events.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "withInstanceId",
"setterModel": {
  "returnType": "String",
  "documentation": null
}
available only for `<code>instanceChange</code>` events.*\*/

```
/*
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"setterModel" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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<code>instanceChange</code> events.\n@param instanceId The ID of the instance. This information is
available only for <code>instanceChange</code> events.\n@return Returns a reference to this object so that method
calls can be chained together.*/",
```

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variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
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  "documentation" : "The ID of the instance. This information is available only for
<code>instanceChange</code> events.\n"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
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"shapeName" : "EventInformation",
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},
"variable" : {
  "variableDeclarationType" : "EventInformation",
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  "documentation" : null,
  "simpleType" : "EventInformation",
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"wrapper" : false
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"EventType" : {
  "c2jName" : "EventType",
  "customization" : {
  
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"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
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},
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    "name": "InstanceChange",
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    "name": "FleetRequestChange",
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  },
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    "name": "Error",
    "value": "error"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "EventType",
"unmarshaller": {
  "flattened": false,
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  "variableSetterType": "EventType"
},
"wrapper": false
},
"ExcessCapacityTerminationPolicy": {
  "c2jName": "ExcessCapacityTerminationPolicy",
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    "skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,

deprecated": false,
"documentation": "",

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  {
    "name": "NoTermination",
    "value": "noTermination"
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  {
    "name": "Default",
    "value": "default"
  }
],

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"hasStatusCodeMember": false,

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"members": null,

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"requestSignerClassFqcn": null,

"required": null,

"shapeName": "ExcessCapacityTerminationPolicy",

"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},

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  "variableName": "excessCapacityTerminationPolicy",
  "variableType": "ExcessCapacityTerminationPolicy",
  "documentation": null,
  "simpleType": "ExcessCapacityTerminationPolicy",
  "variableSetterType": "ExcessCapacityTerminationPolicy"
},

"wrapper": false
},

"ExportEnvironment": {
  "c2jName": "ExportEnvironment",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "deprecated": false,
    "documentation": ""
  }
}
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* @return Returns a reference to this object so that method calls can be chained together.
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* @param state The state of the export task.
* @return Returns a reference to this object so that method calls can be chained together.
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* @return The state of the export task.
* @see ExportTaskState*/",
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**getterDocumentation**: "The status message related to the export task.

**getterMethodName**: 

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**unmarshallLocationName**: "statusMessage",

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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param description A description of the resource being exported.
@return Returns a reference to this object so that method
calls can be chained together.*/

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  "enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType" : "ExportTaskState",
    "fluentSetterDocumentation" : "/**<p>The state of the export task.</p>
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@return Returns a reference to this object so that method calls can be chained together.
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@return The state of the export task.
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"StatusMessage" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status message related to the export task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status message related to the export task.</p>
@param statusMessage The status message related to the export task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**<p>The status message related to the export task.</p>
@return The status message related to the export task.*/",
  "getterMethodName" : "getStatusMessage",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "StatusMessage",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "statusMessage",
    "uri" : false
  },
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
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  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "variableType" : "String",
  "documentation" : "The status message related to the export task.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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}
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"unmarshaller" : {
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    "variableName" : "exportTask",
    "variableType" : "ExportTask",
    "documentation" : "",
    "simpleType" : "ExportTask",
    "variableSetterType" : "ExportTask"
  },
  "xmlNameSpaceUri" : null
}
}
"wrapper" : false
},
"ExportTaskState" : {
  "c2jName" : "ExportTaskState",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
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    "name" : "Active",
    "value" : "active"
  }, {
    "name" : "Cancelling",
    "value" : "cancelling"
  }, {
    "name" : "Cancelled",
    "value" : "cancelled"
  }, {
    "name" : "Completed",
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ExportTaskState",
  "unmarshaller" : { 
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : { 
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    "variableName" : "exportTaskState",
    "variableType" : "ExportTaskState",
    "documentation" : null,
    "simpleType" : "ExportTaskState",
    "variableSetterType" : "ExportTaskState"}
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the format and location for an instance export task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "DiskImageFormat",
    "deprecated" : false,
    "documentation" : "<p>The format for the exported image.</p>",
    "enumType" : "DiskImageFormat",
    "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>@param diskImageFormat The format for the exported image.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>@see DiskImageFormat*/",
    "fluentSetterMethodName" : "withDiskImageFormat",
    "getterDocumentation" : "/**<p>The format for the exported image.</p><p>@return The format for the exported image.</p><p>@see DiskImageFormat*/",
    "getterMethodName" : "getDiskImageFormat",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "DiskImageFormat",
      "queryString" : false,
    },
  }]}
"statusCode" : false,
"unmarshallLocationName" : "diskImageFormat",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskImageFormat",
"setterDocumentation" : "/**<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.
@see DiskImageFormat*/",
"setterMethodName" : "setDiskImageFormat",
"setterModel" : {
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   "variableName" : "diskImageFormat",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param diskImageFormat The format for the exported image.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see DiskImageFormat*/",
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   "variableName" : "diskImageFormat",
   "variableType" : "String",
   "documentation" : "<p>The format for the exported image.</p>
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "ContainerFormat",
"c2jShape" : "ContainerFormat",
"deprecated" : false,
"documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
   "enumType" : "ContainerFormat",
"fluentSetterDocumentation" : "/**\n\n@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see ContainerFormat*/",
"fluentSetterMethodName" : "withContainerFormat",
"getterDocumentation" : "/**\n\n@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n\n@return The container format used to combine disk images"}
with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
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"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "containerFormat",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"setterMethodName" : "setContainerFormat",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
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},
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"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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"simpleType" : "String",
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OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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"variableName" : "containerFormat",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The container format used to combine disk images with metadata (such as 
OVF). If absent, only the disk image is exported.</p>\n@param containerFormat The container format used to 
combine disk images with metadata (such as OVF). If absent, only the disk image is exported.\n@see ContainerFormat*/", 
"variable" : {
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"variableName" : "containerFormat",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "&lt;p&gt;The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
],
"c2jName" : "S3Bucket",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account &lt;code&gt;vm-import-export@amazon.com&lt;/code&gt;.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account &lt;code&gt;vm-import-export@amazon.com&lt;/code&gt;.&lt;/p&gt;\n@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account &lt;code&gt;vm-import-export@amazon.com&lt;/code&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Bucket",
"getterDocumentation" : "/**&lt;p&gt;The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account &lt;code&gt;vm-import-export@amazon.com&lt;/code&gt;.&lt;/p&gt;\n@return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account &lt;code&gt;vm-import-export@amazon.com&lt;/code&gt;.&lt;/p&gt;\n*/",
"getterMethodName" : "getS3Bucket",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Bucket",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account.

```java
public class S3Bucket {
    private String s3Bucket;

    public S3Bucket(String s3Bucket) {
        this.s3Bucket = s3Bucket;
    }

    public String getS3Bucket() {
        return s3Bucket;
    }

    public void setS3Bucket(String s3Bucket) {
        this.s3Bucket = s3Bucket;
    }
}
```

The encryption key for your S3 bucket.

```java
public class S3Key {
    private String s3Key;

    public S3Key(String s3Key) {
        this.s3Key = s3Key;
    }

    public String getS3Key() {
        return s3Key;
    }

    public void withS3Key(String s3Key) {
        this.s3Key = s3Key;
    }
}
```
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
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"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "S3Key",
"setterDocumentation": "/**<p>The encryption key for your S3 bucket.</p>
@param s3Key The encryption key for your S3 bucket.*/",
"setterMethodName": "setS3Key",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "s3Key",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*<p>The encryption key for your S3 bucket.</p>
@n@param s3Key The encryption key for your S3 bucket.<n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "s3Key",
"variableType": "String",
"documentation": "<p>The encryption key for your S3 bucket.</p>",
"simpleType": "String",
"variableSetterType": "String"
}
"xmlns:NameSpaceUri" : null 
},
"membersAsMap" : {
  "ContainerFormat" : {
    "c2jName" : "ContainerFormat",
    "c2jShape" : "ContainerFormat",
    "deprecated" : false,
    "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
    "enumType" : "ContainerFormat",
    "fluentSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@n@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@n@return Returns a reference to this object so that method calls can be chained together.</n@see ContainerFormat*/",
    "fluentSetterMethodName" : "withContainerFormat",
    "getterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@n@return The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@n@see ContainerFormat*/",
    "getterMethodName" : "getContainerFormat",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "containerFormat",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "ContainerFormat",
    "setterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>
@n@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@n@see ContainerFormat*/",
    "setterMethodName" : "setContainerFormat",
    "setterModel" : {
      "returnType" : "ContainerFormat",
      "documentation" : null
    }
  }
}
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"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "containerFormat",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.<br>
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see ContainerFormat*/",
"variable" : {
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    "variableName" : "containerFormat",
    "variableType" : "String",
    "documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.<br>
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see ContainerFormat*/",
    "xmlNameSpaceUri" : null
},
"DiskImageFormat" : {
    "c2jName" : "DiskImageFormat",
    "c2jShape" : "DiskImageFormat",
    "deprecated" : false,
    "documentation" : "<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see DiskImageFormat*/",
    "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p><br>
@param diskImageFormat The format for the exported image.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see DiskImageFormat*/",
    "getterDocumentation" : "/**<p>The format for the exported image.</p><br>
@return The format for the exported image.<br>
@see DiskImageFormat*/",
    "getterMethodName" : "getDiskImageFormat",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
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"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DiskImageFormat",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "diskImageFormat",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DiskImageFormat",
"setterDocumentation": "/**\n<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.\n@see DiskImageFormat*/",
"setterMethodName": "setDiskImageFormat",
"setterModel": {
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  "variableName": "diskImageFormat",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DiskImageFormat*/",
"variable": {
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  "variableName": "diskImageFormat",
  "variableType": "String",
  "documentation": "<p>The format for the exported image.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"S3Bucket": {
  "c2jName": "S3Bucket",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>"
exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.

```java
/**
 * @param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.
 * @return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setS3Bucket",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "s3Bucket",
 "variableType" : "String",
 "documentation" : "",

"getterMethodName" : "getS3Bucket",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "S3Bucket",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "s3Bucket",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",
"setterDocumentation" : "The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.

```
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.<br/>
@param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.<br/>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"S3Key" : {
  "c2jName" : "S3Key",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The encryption key for your S3 bucket.<br/>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The encryption key for your S3 bucket.<br/>
@returns The encryption key for your S3 bucket.<br/>
@returns The encryption key for your S3 bucket.<br/>
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3Key",
  "getterDocumentation" : "/**<p>The encryption key for your S3 bucket.<br/>
@returns The encryption key for your S3 bucket.<br/>
@returns The encryption key for your S3 bucket.<br/>
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getS3Key",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "S3Key"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Key",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Key",
"setterDocumentation" : "/**<p>The encryption key for your S3 bucket.</p>
@param s3Key The encryption key for your S3 bucket.*/",
"setterMethodName" : "setS3Key",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "s3Key",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The encryption key for your S3 bucket.</p>
@param s3Key The encryption key for your S3 bucket.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "s3Key",
"variableType" : "String",
"documentation" : "<p>The encryption key for your S3 bucket.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ExportToS3Task",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ExportToS3Task",
"variableName" : "exportToS3Task"}
"variableType" : "ExportToS3Task",
"documentation" : null,
"simpleType" : "ExportToS3Task",
"variableSetterType" : "ExportToS3Task"
},
"wrapper" : false
},
"ExportToS3TaskSpecification" : {
"c2jName" : "ExportToS3TaskSpecification",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an instance export task.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "DiskImageFormat",
"c2jShape" : "DiskImageFormat",
"deprecated" : false,
"documentation" : "<p>The format for the exported image.</p>",
"enumType" : "DiskImageFormat",
"fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>\n@param diskImageFormat The format for the exported image.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DiskImageFormat*/",
"fluentSetterMethodName" : "withDiskImageFormat",
"getterDocumentation" : "/**<p>The format for the exported image.</p>\n@return The format for the exported image.\n@see DiskImageFormat*/",
"getterMethodName" : "getDiskImageFormat",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DiskImageFormat",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "diskImageFormat",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskImageFormat",
"setterDocumentation" : "/**\n@see DiskImageFormat*/",
"setterMethodName" : "setDiskImageFormat",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "diskImageFormat",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@see DiskImageFormat*/",
"setterDocumentation" : "/**<p>The format for the exported image.</p>
@param diskImageFormat The format for the exported image.
@return Returns a reference to this object so that method calls can be chained together.
@see DiskImageFormat*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "diskImageFormat",
"variableType" : "String",
"documentation" : "<p>The format for the exported image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "ContainerFormat",
"c2jShape" : "ContainerFormat",
"deprecated" : false,
"documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
"enumType" : "ContainerFormat",
"fluentSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>

@see ContainerFormat*/",
"return" : Returns a reference to this object so that method calls can be chained together.
"@see ContainerFormat*/"
reference to this object so that method calls can be chained together.

```java
public void setContainerFormat(String containerFormat)
```

**See ContainerFormat**

**getterDocumentation**

```java
public String getContainerFormat()
```

**setterDocumentation**

```java
public void setContainerFormat(String containerFormat)
```

**setterMethodDocumentation**

```java
public void setContainerFormat(String containerFormat)
```

**getterMethodDocumentation**

**setterMethodDocumentation**

```java
public ContainerFormat getContainerFormat()
```
The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.

The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.

A reference to this object so that method calls can be chained together.

```java
public String getContainerFormat() {
    return containerFormat;
}

public ImportExportRequest withContainerFormat(String containerFormat) {
    this.containerFormat = containerFormat;
    return this;
}
```

```java
public String getS3Bucket() {
    return s3Bucket;
}

public ImportExportRequest withS3Bucket(String s3Bucket) {
    this.s3Bucket = s3Bucket;
    return this;
}
```
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",
"setterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and
grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code></p>.\n@param s3Bucket The S3 bucket for the destination image. The destination
bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>*/",
"setterMethodName" : "setS3Bucket",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must
exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code></p>.\n@param s3Bucket The S3 bucket for the destination image. The destination
bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "The S3 bucket for the destination image. The destination bucket must exist and grant
WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "S3Prefix",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix +
exportTaskId + '.' + diskImageFormat.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key
s3prefix + exportTaskId + '.' + diskImageFormat.</p>\n@return Returns a reference to this object so that method calls can be chained
together.*/
"
the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Prefix",
"getterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix
+ exportTaskId + '.' + diskImageFormat.</p>\n@return The image is written to a single object in the S3 bucket at
the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.*/",
"getterMethodName" : "getS3Prefix",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "S3Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Prefix",
"setterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix
+ exportTaskId + '.' + diskImageFormat.</p>\n@param s3Prefix The image is written to a single object in the S3
bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.*/",
"setterMethodName" : "setS3Prefix",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "s3Prefix",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key
s3prefix + exportTaskId + '.' + diskImageFormat.</p>\n@param s3Prefix The image is written to a single object in
the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this

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object so that method calls can be chained together.*

"variable": {
    "variableDeclarationType": "String",
    "variableName": "s3Prefix",
    "variableType": "String",
    "documentation": "The image is written to a single object in the S3 bucket at the S3 key s3prefix + exportTaskId + ". + diskImageFormat."",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}

"membersAsMap": {
    "ContainerFormat": {
        "c2jName": "ContainerFormat",
        "c2jShape": "ContainerFormat",
        "deprecated": false,
        "documentation": "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported."",
        "enumType": "ContainerFormat",
        "fluentSetterDocumentation": "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported."",
        "fluentSetterMethodName": "withContainerFormat",
        "getterDocumentation": "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported."",
        "getterMethodName": "getContainerFormat",
        "getterModel": {
            "returnType": "String",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "ContainerFormat",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "containerFormat",
            "uri": false
        }
    },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ContainerFormat",
"setterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>*/
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@see ContainerFormat*/",
"setterMethodName" : "setContainerFormat",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "containerFormat",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>*/
@param containerFormat The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.
@return Returns a reference to this object so that method calls can be chained together.
@see ContainerFormat*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "containerFormat",
   "variableType" : "String",
   "documentation" : "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DiskImageFormat" : {
   "c2jName" : "DiskImageFormat",
   "c2jShape" : "DiskImageFormat",
   "deprecated" : false,
   "documentation" : "The format for the exported image.
   @return Returns a reference to this object so that method calls can be chained together.
   @see DiskImageFormat*/",
   "fluentSetterDocumentation" : "/**<p>The format for the exported image.</p>*/
   @param diskImageFormat The format for the exported image.
   @return Returns a reference to this object so that method calls can be chained together.
   @see DiskImageFormat*/",
   "fluentSetterMethodName" : "withDiskImageFormat",
   "getterDocumentation" : "/**<p>The format for the exported image.</p>*/
   @return The format for the exported image.
   @see DiskImageFormat*/",
   "getterMethodName" : "getDiskImageFormat"}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DiskImageFormat",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "diskImageFormat",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DiskImageFormat",
"setterDocumentation" : "/**\n  * The format for the exported image.\n  * @param diskImageFormat The format for the exported image.\n  * @see DiskImageFormat*/",
"setterMethodName" : "setDiskImageFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/\n  * The format for the exported image.\n  * @param diskImageFormat The format for the exported image.\n  * @return Returns a reference to this object so that method calls can be chained together.\n  * @see DiskImageFormat*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "diskImageFormat",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"S3Bucket" : {
  "c2jName" : "S3Bucket",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. </p> ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. </p> 
  @param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. 
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withS3Bucket",
  "getterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. </p> 
  @return The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. 
  */",
  "getterMethodName" : "getS3Bucket",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "S3Bucket",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "s3Bucket",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "S3Bucket",
  "setterDocumentation" : "/**<p>The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. 
  @param s3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>. 
  @return Returns a reference to this object so that method calls can be chained together. */",
  "setterModelName" : "withS3Bucket",
  "setterName" : "setS3Bucket",
  "setterParameters" : {
    "isList" : false,
    "name" : "S3Bucket",
    "parameters" : {
      "key" : null,
      "listKey" : null,
      "mapKey" : null
    }
  },
  "shapeName" : "S3Bucket",
  "unmarshallLocationName" : "s3Bucket",
  "uriKey" : null,
  "version" : 1
};
and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.

```java
@Param S3Bucket The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.
```
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "S3Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Prefix",
"setterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix
+ exportTaskId + '.' + diskImageFormat.</p>\n@param s3Prefix The image is written to a single object in the S3
bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.*/",
"setterMethodName" : "setS3Prefix",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "s3Prefix",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The image is written to a single object in the S3 bucket at the S3 key
s3prefix + exportTaskId + '.' + diskImageFormat.</p>\n@param s3Prefix The image is written to a single object in
the S3 bucket at the S3 key s3prefix + exportTaskId + '.' + diskImageFormat.\n@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "s3Prefix",
"variableType" : "String",
"documentation" : "<p>The image is written to a single object in the S3 bucket at the S3 key s3prefix +
exportTaskId + '.' + diskImageFormat.</p>",
"simpleType" : "String",

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"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ExportToS3TaskSpecification",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ExportToS3TaskSpecification",
"variableName" : "exportToS3TaskSpecification",
"variableType" : "ExportToS3TaskSpecification",
"documentation" : null,
"simpleType" : "ExportToS3TaskSpecification",
"variableSetterType" : "ExportToS3TaskSpecification"
},
"wrapper" : false
},
"Filter" : {
"c2jName" : "Filter",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>A filter name and value pair that is used to return a more specific list of results. Filters can be used to match a set of resources by various criteria, such as tags, attributes, or IDs.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the filter. Filter names are case-sensitive.</p>",
"enumType" : null,
"fluentsetterDocumentation" : "/**&lt;p&gt;The name of the filter. Filter names are case-sensitive.&lt;/p&gt;\n@param
name The name of the filter. Filter names are case-sensitive.

@returns Returns a reference to this object so that method calls can be chained together.*/

"setterDocumentation" : "/*

@param name The name of the filter. Filter names are case-sensitive.

@returns Returns a reference to this object so that method calls can be chained together.*/

"setterModel" : {

  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"

},

"simple" : true,

"varargSetterDocumentation" : "/*

@param name The name of the filter. Filter names are case-sensitive.

@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {

  "variableDeclarationType" : "String",
}
"variableName":"name",
"variableType":"String",
"documentation":"\p&gt;The name of the filter. Filter names are case-sensitive.&lt;/p&gt;",
"simpleType":"String",
"variableSetterType":"String"
},
"xmlNameSpaceUri":null
},
"c2jName":"Values",
"c2jShape":"ValueStringList",
"deprecated":false,
"documentation":"\p&gt;One or more filter values. Filter values are case-sensitive.&lt;/p&gt;",
"enumType":null,
"fluentSetterDocumentation":"/**\p&gt;One or more filter values. Filter values are case-sensitive.&lt;/p&gt;\n@throws IllegalArgumentException if one or more filter values. Filter values are case-sensitive\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withValues",
"getterDocumentation":"/**\p&gt;One or more filter values. Filter values are case-sensitive.&lt;/p&gt;\n@return One or more filter values. Filter values are case-sensitive.*/",
"getterMethodName":"getValues",
"getterModel":{
"returnType":"java.util.List<String>",
"documentation":null
},
"http":{
"additionalMarshallingPath":null,
"additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
"marshallLocationName":"Value",
"queryString":false,
"statusCode":false,
"unmarshallLocationName":"Value",
"uri":false
},
"idempotencyToken":false,
"list":true,
"listModel":{
"implType":"com.amazonaws.internal.SdkInternalList",
"interfaceType":"java.util.List",
"listMemberModel":{
"c2jName":"member",
"c2jShape":"String",
"deprecated":false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
],
"map" : false,
"mapModel" : null,
"name" : "Values",
"setterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.*/",
"setterMethodName" : "setValues",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "values",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
    <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link 
<code>setValues(java.util.Collection)</code> or { @link #withValues(java.util.Collection) } if you want to override the existing
values.</p><p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "values",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "Name" : {
    "c2jName" : "Name",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the filter. Filter names are case-sensitive.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the filter. Filter names are case-sensitive.</p>@param name The name of the filter. Filter names are case-sensitive.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/**<p>The name of the filter. Filter names are case-sensitive.</p>@return The name of the filter. Filter names are case-sensitive.<p>\n*/",
    "getterMethodName" : "getName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Name",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Name",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Name",
    "setterDocumentation" : "/**<p>The name of the filter. Filter names are case-sensitive.</p>@param name The name of the filter. Filter names are case-sensitive.<p>\n*/",
    "setterMethodName" : "setName",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "name",
      "variableType" : "String",
      "documentation" : "",
    }
  }
}"
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargarSetterDocumentation" : "/**<p>The name of the filter. Filter names are case-sensitive.</p>
@param name The name of the filter. Filter names are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>The name of the filter. Filter names are case-sensitive.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Values" : {
"c2jName" : "Values",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@param values One or more filter values. Filter values are case-sensitive.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValues",
"getterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p>
@return One or more filter values. Filter values are case-sensitive.*/",
"getterMethodName" : "getValues",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "Values",
"setterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p><p>\n@param values One or more filter values. Filter values are case-sensitive.</p>\n@return Returns a
setterMethod" : "setValues",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "values",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more filter values. Filter values are case-sensitive.</p><p>\n@param values One or more filter values. Filter values are case-sensitive.</p>\n@return Returns a
reference to this object so that method calls can be chained together.*/*.

`variable`: {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "values",
    "variableType": "java.util.List<String>",
    "documentation": "<p>One or more filter values. Filter values are case-sensitive.</p>",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "Filter",
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
    "variableDeclarationType": "Filter",
    "variableName": "filter",
    "variableType": "Filter",
    "documentation": null,
    "simpleType": "Filter",
    "variableSetterType": "Filter"
},
"wrapper": false
},
"FleetType": {
    "c2jName": "FleetType",
    "customization": {
        "artificialResultWrapper": null,
        "skipGeneratingMarshaller": false,
        "skipGeneratingModelClass": false,
        "skipGeneratingUnmarshaller": false
    },
    "deprecated": false,
    "documentation": "",
    "enums": [
        { "name": "Request", "value": "request" },
        { "name": "Maintain", "value": "maintain" }
    ],
    "errorCode": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "FleetType",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "FleetType",
  "variableName" : "fleetType",
  "variableType" : "FleetType",
  "documentation" : null,
  "simpleType" : "FleetType",
  "variableSetterType" : "FleetType"
},
"wrapper" : false

"FlowLog" : {
  "c2jName" : "FlowLog",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a flow log.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "CreationTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The date and time the flow log was created.</p>",
    "enumType" : null,
    "memberName" : "creationTime",
    "memberType" : "DateTime",
    "variableName" : "creationTime",
    "variableType" : "DateTime"
  }
  ];
}
The date and time the flow log was created.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time the flow log was created.
 * @param creationTime
 * @return
 */

"getterDocumentation": "/**
 * The date and time the flow log was created.
 * @return The date and time the flow log was created.
 */

"getterMethodName": "getCreationTime",
"getterModel": {
 "returnType": "java.util.Date",
 "documentation": null
},
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "CreationTime",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "creationTime",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreationTime",
"setterDocumentation": "/**
 * The date and time the flow log was created.
 * The date and time the flow log was created.
 * @param creationTime
 * @return
 */

"setterMethodName": "setCreationTime",
"setterModel": {
 "variableDeclarationType": "java.util.Date",
 "variableName": "creationTime",
 "variableType": "java.util.Date",
 "documentation": "",
 "simpleType": "Date",
 "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The date and time the flow log was created.
 * @param creationTime
 * @return
 */

"variable": {

"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time the flow log was created.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "FlowLogId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The flow log ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The flow log ID.</p>
@param flowLogId The flow log ID.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFlowLogId",
"getterDocumentation" : "/**<p>The flow log ID.</p>
@return The flow log ID.*/",
"getterMethodName" : "getFlowLogId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogId",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogId",
"setterDocumentation" : "/**<p>The flow log ID.</p>
@param flowLogId The flow log ID.
@return
Sets the flow log ID.
This is not a required parameter but it can replace setting the provided flow log ID from the request*/",
"setterMethodName" : "setFlowLogId",
"setterModel" : {
"variableDeclarationType" : "String"
"variableName" : "flowLogId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The flow log ID.</p>
@param flowLogId The flow log ID.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "flowLogId",
"variableType" : "String",
"documentation" : "<p>The flow log ID.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FlowLogStatus",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status of the flow log (<code>ACTIVE</code>).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param flowLogStatus The status of the flow log (<code>ACTIVE</code>).
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withFlowLogStatus",
"getterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@return The status of the flow log (<code>ACTIVE</code>).*/",
"getterMethodName" : "getFlowLogStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FlowLogStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "flowLogStatus"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FlowLogStatus",
"setterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>). */",
"setterMethodName" : "setFlowLogStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "flowLogStatus",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the flow log (<code>ACTIVE</code>).</p>
@param
flowLogStatus The status of the flow log (<code>ACTIVE</code>).*/
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "flowLogStatus",
"variableType" : "String",
"documentation" : "<p>The status of the flow log (<code>ACTIVE</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ResourceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the resource on which the flow log was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the resource on which the flow log was created.</p>
@param resourceId The ID of the resource on which the flow log was created.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "/**<p>The ID of the resource on which the flow log was created.</p>
@param
resourceId The ID of the resource on which the flow log was created.
@return The ID of the resource on which the flow log was created. */",
"getterMethodName" : "getResourceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ResourceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "resourceId",
  "uri": false
},
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"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n\n@param resourceId The ID of the resource on which the flow log was created.\n
@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The ID of the resource on which the flow log was created.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"deprecated" : false,
"documentation" : "<p>The type of traffic captured for the flow log.</p>",
"enumType" : "TrafficType",
"fluentSetterDocumentation" : "/**<p>The type of traffic captured for the flow log.</p>
@see TrafficType*/",
"fluentSetterMethodName" : "withTrafficType",
"getterDocumentation" : "/**<p>The type of traffic captured for the flow log.</p>
@see TrafficType*/",
"getterMethodName" : "getTrafficType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
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"unmarshallLocationName" : "trafficType",
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"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "TrafficType",
"setterDocumentation" : "/**<p>The type of traffic captured for the flow log.</p>
@see TrafficType*/",
"setterMethodName" : "setTrafficType",
"setterModel" : {
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"variableName" : "trafficType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of traffic captured for the flow log.
 */@param trafficType\n * The type of traffic captured for the flow log.
 */\n * @return Returns a reference to this object so that method calls can be
 * chained together.\n * @see TrafficType*/",
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 "simpleType" : "String",
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"documentation" : "The name of the flow log group.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The name of the flow log group.\n */@param logGroupName The
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 * chained together.*/",
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 "getterDocumentation" : "/**\n * The name of the flow log group.\n */@return The name of the flow log
 * group.*/",
 "getterMethodName" : "getLogGroupName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "additionalMarshallingPath" : null,
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "logGroupName",
 "uri" : false
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 "list" : false,
 "listModel" : null,
 "map" : false,
"mapModel" : null,
"name" : "LogGroupName",
"setterDocumentation" : "/**\n   * The name of the flow log group.
   * @param logGroupName The name of the flow log group.
   */",
"setterMethodName" : "setLogGroupName",
"setterModel" : {
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"variableName" : "logGroupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The name of the flow log group.
   * @param logGroupName The name of the flow log group.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
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"variableType" : "String",
"documentation" : "<p>The name of the flow log group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**\n   * The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).<p>@param deliverLogsStatus The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDeliverLogsStatus",
"getterDocumentation" : "/**\n   * The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).<p>@return The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).<p>*/",
"getterMethodName" : "getDeliverLogsStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "DeliverLogsStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deliverLogsStatus",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsStatus",
"setterDocumentation" : "/**<p>The status of the logs delivery (<code>SUCCESS</code> |<code>FAILED</code>).<p>
@param deliverLogsStatus The status of the logs delivery
(<code>SUCCESS</code> | <code>FAILED</code>).*/",
"setterMethodName" : "setDeliverLogsStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "deliverLogsStatus",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the logs delivery (<code>SUCCESS</code> |<code>FAILED</code>).<p>
@param deliverLogsStatus The status of the logs delivery
(<code>SUCCESS</code> | <code>FAILED</code>).<p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "deliverLogsStatus",
"variableType" : "String",
"documentation" : "<p>The status of the logs delivery (<code>SUCCESS</code> |<code>FAILED</code>).<p>
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "DeliverLogsErrorMessage"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>
@param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withDeliverLogsErrorMessage",
"getterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>
@return Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
*/",
"getterMethodName" : "getDeliverLogsErrorMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalMarshallingPath" : null,
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"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeliverLogsErrorMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deliverLogsErrorMessage",
"uri" : false
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"list" : false,
"listModel" : null,
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@param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>
@param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>
"simpleType" : "String",
"simple" : "true"}
"variableSetterType" : "String",
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"xmlnsSpaceUri" : null
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"c2jName" : "DeliverLogsPermissionArn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeliverLogsPermissionArn",
"getterDocumentation" : "/**
<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@return The ARN of the IAM role that posts logs to CloudWatch Logs.*/",
"getterMethodName" : "getDeliverLogsPermissionArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeliverLogsPermissionArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deliverLogsPermission Arn",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsPermissionArn",
"setterDocumentation" : "/**
<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeliverLogsPermissionArn",
"setterModel" : {
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  "variableName" : "deliverLogsPermissionArn",
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  "variableName": "deliverLogsPermissionArn",
  "variableType": "String",
  "documentation": "/**\n  * The ARN of the IAM role that posts logs to CloudWatch Logs.
  */\n  @param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType": "String",
  "varargSetterDocumentation": "/**\n  * The ARN of the IAM role that posts logs to CloudWatch Logs.\n  */\n  @param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri": null
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"membersAsMap": {
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    "c2jName": "CreationTime",
    "c2jShape": "DateTime",
    "deprecated": false,
    "documentation": "/**\n  * The date and time the flow log was created.\n  */\n  @return The date and time the flow log was created.*/",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n  * The date and time the flow log was created.\n  */\n  @param creationTime The date and time the flow log was created.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "//**\n  * The date and time the flow log was created.\n  */\n  @return The date and time the flow log was created.*/",
    "getterMethodName": "getCreationTime",
    "getterModel": {
      "returnType": "java.util.Date",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "CreationTime",
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      "statusString": false,
      "statusCode": false,
"unmarshallLocationName" : "creationTime",
"uri" : false
}
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationTime",
"setterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@param creationTime The date and time the flow log was created.*/",
"setterMethodName" : "setCreationTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the flow log was created.</p>
@param creationTime The date and time the flow log was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "creationTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time the flow log was created.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"DeliverLogsErrorMessage" : {
"c2jName" : "DeliverLogsErrorMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you’ve reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to"}
CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

@Param deliverLogsErrorMessage Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.

@Return Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withDeliverLogsErrorMessage",
"getterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>
@return Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.*"",

"getterMethodName" : "getDeliverLogsErrorMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeliverLogsErrorMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deliverLogsErrorMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeliverLogsErrorMessage",
"setterDocumentation" : "/**<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>\n@Param
deliverLogsErrorMessage Information about the error that occurred. `<code>Rate limited</code>` indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. `<code>Access error</code>` indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs.

`<code>Unknown error</code>` indicates an internal error. */

```
"setterMethodName" : "setDeliverLogsErrorMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** Information about the error that occurred. `<code>Rate limited</code>` indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. `<code>Access error</code>` indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. `<code>Unknown error</code>` indicates an internal error. */
@param deliverLogsErrorMessage Information about the error that occurred. `<code>Rate limited</code>` indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. `<code>Access error</code>` indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs.
@return Returns a reference to this object so that method calls can be chained together. */

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deliverLogsErrorMessage",
  "variableType" : "String",
  "documentation" : "Information about the error that occurred. `<code>Rate limited</code>` indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. `<code>Access error</code>` indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs.

`<code>Unknown error</code>` indicates an internal error. */

```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DeliverLogsPermissionArn" : {
  "c2jName" : "DeliverLogsPermissionArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ARN of the IAM role that posts logs to CloudWatch Logs. */

"enumType" : null,
"fluentSetterDocumentation" : "/** The ARN of the IAM role that posts logs to CloudWatch Logs. */
@param deliverLogsPermissionArn The ARN of the IAM role that posts logs to CloudWatch Logs. */

```
Logs.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withDeliverLogsPermissionArn",
"getterDocumentation": "/**<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>
@return The ARN of the IAM role that posts logs to CloudWatch Logs."*/",
"getterMethodName": "getDeliverLogsPermissionArn",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DeliverLogsPermissionArn",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "deliverLogsPermissionArn",
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(&lt;code&gt;SUCCESS&lt;/code&gt; | &lt;code&gt;FAILED&lt;/code&gt;).
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* @return Returns a reference to this object so that method calls can be chained together.*/",
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* @return The name of the flow log group.
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* @return Returns a reference to this object so that method calls can be chained together.*/",
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"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "\n<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false,
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceId",
  "setterDocumentation" : "/**<p>The ID of the instance.</p>
@returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setInstanceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@returns a reference to this object so that method calls can be chained together.*/"}
instance.

@returns Returns a reference to this object so that method calls can be chained together.

```javascript
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "GetConsoleOutputRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "GetConsoleOutputRequest",
    "variableName" : "getConsoleOutputRequest",
    "variableType" : "GetConsoleOutputRequest",
    "documentation" : null,
    "simpleType" : "GetConsoleOutputRequest",
    "variableSetterType" : "GetConsoleOutputRequest"
},
"wrapper" : false
},
"GetConsoleOutputResult" : {
    "c2jName" : "GetConsoleOutputResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of GetConsoleOutput.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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    "members" : [ {
        "c2jName" : "InstanceId",
        "c2jShape" : "String",
        "deprecated" : false,
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"documentation" : "The ID of the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>\n@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>\n@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId"}
"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\* The time the output was last updated.
\* @param timestamp The time the output was last updated.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : "The time the output was last updated.
\* @param timestamp The time the output was last updated.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : "The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\* @param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"c2jName" : "Output",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\* @param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/
}
"location" : null,
"marshallLocationName" : "Output",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "output",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Output",
"setterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>*/
@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.*/

"setterMethodName" : "setOutput",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>*/
@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the instance.</p>"},
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>"
tool, the tool decodes the output for you.*"/>
"setterMethodName" : "setOutput",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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"variableDeclarationType" : "String",
"variableName" : "output",
"variableType" : "String",
"documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\n@param output The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.
\n@return Returns a reference to this object so that method calls can be chained together.*"",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"Timestamp" : {
"c2jName" : "Timestamp",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time the output was last updated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time the output was last updated.</p>\n@param timestamp The time the output was last updated.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "/**<p>The time the output was last updated.</p>\n@return The time the output was last updated.\n"",
"getMethodDocumentation" : "getTimestamp",
"getModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Timestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "timestamp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "/**\n<p>The time the output was last updated.</p>\n@param timestamp The time the output was last updated.*/",
"setterMethodName" : "setTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "complexType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The time the output was last updated.</p>\n@param timestamp The time the output was last updated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time the output was last updated.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetConsoleOutputResult",
"unmarshaller" : {
  "flattened" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "GetConsoleOutputResult",
  "variableName" : "getConsoleOutputResult",
  "variableType" : "GetConsoleOutputResult",
  "documentation" : null,
  "simpleType" : "GetConsoleOutputResult",
  "variableSetterType" : "GetConsoleOutputResult"
},
"wrapper" : false
},
"GetConsoleScreenshotRequest" : {
  "c2jName" : "GetConsoleScreenshotRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for the request.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "GetConsoleScreenshot",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "InstanceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : /*<p>The ID of the instance.</p>*/
    },
    "@param instanceId The ID of the instance.
    @return Returns a reference to this object so that method calls can be chained together.*"/
  ],
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : /*<p>The ID of the instance.</p>*/
}
"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n@\n@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the instance.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "WakeUp"
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>
@param wakeUp When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "wakeUp",
"variableType" : "Boolean",
"documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"InstanceId" : {
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"WakeUp" : {
  "c2jName" : "WakeUp",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>When set to true, acts as keystroke input and wakes up an instance that's in standby or \"sleep\" mode.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>When set to true, acts as keystroke input and wakes up an instance that's in standby or \"sleep\" mode.</p>
@param wakeUp When set to true, acts as keystroke input and wakes up an instance that's in standby or \"sleep\" mode.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withWakeUp",
  "getterDocumentation" : "/**<p>When set to true, acts as keystroke input and wakes up an instance that's in standby or \"sleep\" mode.</p>
@return When set to true, acts as keystroke input and wakes up an instance that's in standby or \"sleep\" mode.*/",
  "getterMethodName" : "getWakeUp",
  "getterModel" : {

"returnType" : "Boolean",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "WakeUp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "WakeUp",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "WakeUp",
"setterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>\n@<p>{@code wakeUp} When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setWakeUp",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "wakeUp",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>\n@<p>{@code wakeUp} When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "wakeUp",
    "variableType" : "Boolean",
    "documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>
"simpleType" : "Boolean",
"variableType" : "Boolean",
"documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>
"simpleType" : "Boolean".}
"variableSetterType" : "Boolean",
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "GetConsoleScreenshotRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "GetConsoleScreenshotRequest",
"variableName" : "getConsoleScreenshotRequest",
"variableType" : "GetConsoleScreenshotRequest",
"documentation" : null,
"simpleType" : "GetConsoleScreenshotRequest",
"variableSetterType" : "GetConsoleScreenshotRequest"
},
"wrapper" : false,
"GetConsoleScreenshotResult" : {
"c2jName" : "GetConsoleScreenshotResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of the request.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/\*\*<p>The ID of the instance.</p>@param instanceId The ID of the instance.</\*/\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/\*\*<p>The ID of the instance.</p>@return The ID of the instance.</\*/",
"getMethodName" : "getInstanceId"}
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName": "ImageData",
"c2jShape": "String",
"deprecated": false,
"documentation": "&lt;p&gt;The data that comprises the image.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The data that comprises the image.&lt;/p&gt;&lt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;/\n**&gt;",
"fluentSetterMethodName": "withImageData",
"getterDocumentation": "/**&lt;p&gt;The data that comprises the image.&lt;/p&gt;&lt;\n@return The data that comprises the image.&lt;/\n**&gt;",
"getterMethodName": "getImageData",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ImageData",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "imageData",
  "uri": false
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"name": "ImageData",
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"setterMethodName": "setImageData",
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  "variableDeclarationType": "String",
  "variableName": "imageData",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation" : "/**<p>The data that comprises the image.</p>\n@param imageData The data that comprises the image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "imageData",
  "variableType" : "String",
  "documentation" : "<p>The data that comprises the image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "c2jName" : "ImageData",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The data that comprises the image.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The data that comprises the image.</p>\n@param imageData The data that comprises the image.\n@return The data that comprises the image.*/",
    "fluentSetterMethodName" : "withImageData",
    "getterDocumentation" : "/*<p>The data that comprises the image.</p>\n@return The data that comprises the image.*/",
    "getterMethodName" : "getImageData",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "ImageData",
      "queryString" : false,
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      "unmarshallLocationName" : "imageData",
      "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageData",
"setterDocumentation" : "/**\n@param imageData The data that comprises the image.*\n*/",
"setterMethodName" : "setImageData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param imageData The data that comprises the image.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageData",
  "variableType" : "String",
  "documentation" : "The data that comprises the image.
\n@return The ID of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the instance.
\n@return The ID of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param instanceId The ID of the instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**\n@return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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"variable" : {
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  "variableName" : "getConsoleScreenshotResult",
  "variableType" : "GetConsoleScreenshotResult",
  "documentation" : null,
  "simpleType" : "GetConsoleScreenshotResult",
  "variableSetterType" : "GetConsoleScreenshotResult"
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"wrapper" : false
},
"GetHostReservationPurchasePreviewRequest" : {
  "c2jName" : "GetHostReservationPurchasePreviewRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
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      "c2jName" : "OfferingId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "The offering ID of the reservation."",
      "enumType" : null,
      "fluentSetterDocumentation" : "The offering ID of the reservation.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withOfferingId",
      "getterDocumentation" : "The offering ID of the reservation.\n\n@returns The offering ID of the reservation.*/",
      "getterMethodName" : "getOfferingId",
      "label" : "offeringId",
      "locationName" : null,
      "memberMap" : null,
      "memberType" : null,
      "name" : "OfferingId",
      "nameType" : "constant",
      "locationName" : null,
      "locationType" : "uri",
      "namespacePrefix" : null,
      "namespacePrefixType" : "constant",
      "shape" : null,
      "shapeType" : "constant",
      "simpleType" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
      "target" : null,
      "verb" : "",
      "isFluent" : false,
      "isSimpleType" : false
    }
  ]
}
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**
 * The offering ID of the reservation.
 *
 * @param offeringId The offering ID of the reservation.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"setterMethodName" : "setOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The offering ID of the reservation.
 *
 * @param offeringId The offering ID of the reservation.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringId",
"variableType" : "String",
"documentation" : "<p>The offering ID of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
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"c2jName" : "HostIdSet",
"c2jShape" : "RequestHostIdSet",
"deprecated" : false,
"documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.\n\n@<param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.\n\n@return The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"getterMethodName" : "getHostIdSet",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostIdSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "HostIdSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.\n\n@<param member Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
  },
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
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 "idempotencyToken" : false,
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 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Member",
 "setterDocumentation" : "/**\n@param member */",
 "setterMethodName" : "setMember",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
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 "simple" : true,
 "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
 }.
"xmlNameSpaceUri" : null,
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
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"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>\n<br/>\n\<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setHostIdSet(java.util.Collection)} or \{@link #withHostIdSet(java.util.Collection)} if you want to override the existing values.\n@\n\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@\n\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.<p>/"",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
] ]
},
"membersAsMap" : {
"HostIdSet" : {
"c2jName" : "HostIdSet",
"c2jShape" : "RequestHostIdSet",
"getterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@\n\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@\n\return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getHostIdSet",
"getterModel" : {
"getterType" : "com.amazonaws.internal.SdkInternalList<String>",
"getterName" : "hostIdSet",
"getterType" : "java.util.List<String>",
"getterType" : "List<String>",
"getterType" : "java.util.Collection<String>"
},
"getterType" : "List<String>",
"getterType" : "java.util.Collection<String>"}
The ID/s of the Dedicated Host/s that the reservation will be associated with.

@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The ID/s of the Dedicated Host/s that the reservation will be associated with.
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The ID/s of the Dedicated Host/s that the reservation will be associated with.
 * @return
 */

"deprecated" : false,
"documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>

@<param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.

@<return Returns a reference to this object so that method calls can be chained together.</p>

"fluentSetterMethodName" : "withHostIdSet",
"getterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>

@<return The ID/s of the Dedicated Host/s that the reservation will be associated with.

"getterMethodName" : "getHostIdSet",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "HostIdSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@<param member \n@<return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@<return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/*\n@param member */",
"setterMethodName": "setItem",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{link #setHostIdSet(java.util.Collection)\} or \{link #withHostIdSet(java.util.Collection)\} if you want to override the existing values.\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"OfferingId" : {
  "c2jName" : "OfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The offering ID of the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>The offering ID of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/""}
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The offering ID of the reservation.</p>\n@return The offering ID of the reservation.*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The offering ID of the reservation.</p>\n@param offeringId The offering ID of the reservation.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The offering ID of the reservation.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String"
"documentation": "The offering ID of the reservation."},
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "OfferingId", "HostIdSet" ],
"shapeName": "GetHostReservationPurchasePreviewRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "GetHostReservationPurchasePreviewRequest",
  "variableName": "getHostReservationPurchasePreviewRequest",
  "variableType": "GetHostReservationPurchasePreviewRequest",
  "documentation": null,
  "simpleType": "GetHostReservationPurchasePreviewRequest",
  "variableSetterType": "GetHostReservationPurchasePreviewRequest"
},
"wrapper": false
},
"GetHostReservationPurchasePreviewResult": {
  "c2jName": "GetHostReservationPurchasePreviewResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "Purchase",
    "c2jShape": "PurchaseSet",
    "deprecated": false,
    "documentation": "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it."
  },
  "enumType": null,
  "fluentSetterDocumentation": "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it."
}
Reservation and the Dedicated Hosts associated with it.

```
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withPurchase",
"getterDocumentation" : "/**\n<pre>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>\n@return The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.\*/",
"getterMethodName" : "getPurchase",
"getterModel" : {
"returnType" : "java.util.List<Purchase>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Purchase",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "purchase",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Purchase",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Purchase",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Purchase",
  "variableName": "member",
  "variableType": "Purchase",
  "documentation": "",
  "simpleType": "Purchase",
  "variableSetterType": "Purchase"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "Purchase",
  "variableName": "member",
  "variableType": "Purchase",
  "documentation": "",
  "simpleType": "Purchase",
  "variableSetterType": "Purchase"
},
"xmlnsNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "Purchase",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Purchase",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
"templateType" : "java.util.List<Purchase>",
}

"map" : false,
"mapModel" : null,
"name" : "Purchase",
"setterDocumentation" : "/**
 * The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
 */
@param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.

"setterMethodName" : "setPurchase",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
   "variableName" : "purchase",
   "variableType" : "java.util.List<Purchase>",
   "documentation" : "",
   "simpleType" : "List<Purchase>",
   "variableSetterType" : "java.util.Collection<Purchase>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
 * NOTE: This method appends the values to the existing list (if any). Use { @link #setPurchase(java.util.Collection)} or { @link #withPurchase(java.util.Collection)} if you want to override the existing values.
 * @param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
   "variableName" : "purchase",
   "variableType" : "java.util.List<Purchase>",
   "documentation" : "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.
"simpleType" : "List<Purchase>",
   "variableSetterType" : "java.util.Collection<Purchase>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TotalUpfrontPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The potential total upfront price. This is billed immediately.
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The potential total upfront price. This is billed immediately.
 * @param totalUpfrontPrice The potential total upfront price.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName" : "withTotalUpfrontPrice",
"getterDocumentation" : "/**<p>The potential total upfront price. This is billed immediately.</p>@return
The potential total upfront price. This is billed immediately.*/",
"getterMethodName" : "getTotalUpfrontPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TotalUpfrontPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "totalUpfrontPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalUpfrontPrice",
"setterDocumentation" : "/**<p>The potential total upfront price. This is billed immediately.</p>@param
totalUpfrontPrice The potential total upfront price. This is billed immediately.*/",
"setterMethodName" : "setTotalUpfrontPrice",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "totalUpfrontPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The potential total upfront price. This is billed immediately.</p>@param
totalUpfrontPrice The potential total upfront price. This is billed immediately.*/

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "totalUpfrontPrice",
"variableType" : "String",
"documentation" : "<p>The potential total upfront price. This is billed immediately.</p>"},
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "TotalHourlyPrice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The potential total hourly price of the reservation per hour.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The potential total hourly price of the reservation per
hour.</p>*/
@param totalHourlyPrice The potential total hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName": "withTotalHourlyPrice",
"getterDocumentation": "/**<p>The potential total hourly price of the reservation per hour.</p>
@return The potential total hourly price of the reservation per hour."*/",
"getterMethodName": "getTotalHourlyPrice",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "TotalHourlyPrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "totalHourlyPrice",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "TotalHourlyPrice",
"setterDocumentation": "/**<p>The potential total hourly price of the reservation per hour.</p>*/
@param totalHourlyPrice The potential total hourly price of the reservation per hour."*/",
"setterMethodName": "setTotalHourlyPrice",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "totalHourlyPrice",
"variableSetterType": "String"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The potential total hourly price of the reservation per hour.\n@param totalHourlyPrice The potential total hourly price of the reservation per hour.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "totalHourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The potential total hourly price of the reservation per hour.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**\p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**\p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n@return The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.

The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.

The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.

The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.
"membersAsMap" : {
"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. </p>",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>
@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. 
@return Returns a reference to this object so that method calls can be chained together. 
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>
@return The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. 
@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"isStreaming": false,
"location": null,
"setterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see CurrencyCodeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Purchase" : {
  "c2jName" : "Purchase",
  "c2jShape" : "PurchaseSet",
  "deprecated" : false,
  "documentation" : "<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>"",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p><p>@param purchase The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withPurchase",
  "getterDocumentation" : "/**<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p><p>@return The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>*/"},
"getterMethodName" : "getPurchase",
"getterModel" : {
   "returnType" : "java.util.List\<\Purchase\>",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Purchase",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "purchase",
   "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Purchase",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
         "returnType" : "Purchase",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
         "isStreaming" : false,
      }
   }
}
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
",
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Purchase",
  "variableName": "member",
  "variableType": "Purchase",
  "documentation": "",
  "simpleType": "Purchase",
  "variableSetterType": "Purchase"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Purchase",
  "variableName": "member",
  "variableType": "Purchase",
  "documentation": "",
  "simpleType": "Purchase",
  "variableSetterType": "Purchase"
},
"xmlNameSpaceUri": null
",
"memberLocationName": null,
"memberType": "Purchase",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Purchase",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Purchase>",
"templateType": "java.util.List<Purchase>"}
"map" : false,
"mapModel" : null,
"name" : "Purchase",
"setterDocumentation" : "/**<p>The purchase information of the Dedicated Host Reservation and the
Dedicated Hosts associated with it.</p>*/
@param purchase The purchase information of the Dedicated Host
Reservation and the Dedicated Hosts associated with it.*="/",
"setterMethodName" : "setPurchase",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The purchase information of the Dedicated Host Reservation and the
Dedicated Hosts associated with it.</p>NOTE: </b> This method appends the values to the existing list (if
any). Use { @link #setPurchase(java.util.Collection) or @link #withPurchase(java.util.Collection) } if you want to
override the existing values.</p>
@param purchase The purchase information of the Dedicated Host Reservation
and the Dedicated Hosts associated with it.
@return Returns a reference to this object so that method calls can be
chained together.*="/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "The purchase information of the Dedicated Host Reservation and the Dedicated Hosts
associated with it.*="/",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>"
},
"xmlNameSpaceUri" : null
},
"TotalHourlyPrice" : {
  "c2jName" : "TotalHourlyPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The potential total hourly price of the reservation per hour.
"*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The potential total hourly price of the reservation per
hour.</p>
@param totalHourlyPrice The potential total hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be
chained together.*="/",
  "fluentSetterMethodName" : "withTotalHourlyPrice",
  "getterDocumentation" : "/**<p>The potential total hourly price of the reservation per hour.
"*/",
  "getterMethodName" : "getTotalHourlyPrice",
  "getterModel" : {
    "returnType" : "String",
  }
}
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TotalHourlyPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "totalHourlyPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalHourlyPrice",
"setterDocumentation" : /**
 * The potential total hourly price of the reservation per hour.
 */
@param
@totalHourlyPrice The potential total hourly price of the reservation per hour.

@return
@returns
The potential total hourly price of the reservation per hour.

@method
@returns
Refer to this object so that method calls can be chained together.

@variable
@variable
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"variableName" : "totalHourlyPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**
 * The potential total hourly price of the reservation per hour.
 */
@param
@totalHourlyPrice The potential total hourly price of the reservation per hour.

@return
@returns
Refer to this object so that method calls can be chained together.

@variable
@variable
"variableDeclarationType" : "String",
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"variableType" : "String",
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"xmlNameSpaceUri" : null
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"TotalUpfrontPrice" : {
    "c2jName" : "TotalUpfrontPrice",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The potential total upfront price. This is billed immediately.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The potential total upfront price. This is billed immediately.</p>
    @param totalUpfrontPrice The potential total upfront price. This is billed immediately.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withTotalUpfrontPrice",
    "getterDocumentation" : "/**<p>The potential total upfront price. This is billed immediately.</p>
    @return The potential total upfront price. This is billed immediately.*/",
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        "documentation" : null
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        "header" : false,
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        "isStreaming" : false,
        "location" : null,
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    "mapModel" : null,
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        "variableSetterType" : "String"
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"varargSetterDocumentation" : "The potential total upfront price. This is billed immediately.
@return Returns a reference to this object so that method calls can be chained together.
\*/",
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\", "simpleType" : "String",
"variableSetterType" : "String"
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"unmarshaller" : {
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"resultWrapper" : null
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"documentation" : null,
"simpleType" : "GetHostReservationPurchasePreviewResult",
"variableSetterType" : "GetHostReservationPurchasePreviewResult"
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"wrapper" : false
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"GetPasswordDataRequest" : {
"c2jName" : "GetPasswordDataRequest",
"customization" : {
"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"locationName" : null,
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"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"documentation" : "<p>The ID of the Windows instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Windows instance.</p><p>@param instanceId The ID of the Windows instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"getterDocumentation" : "/**<p>The ID of the Windows instance.</p><p>@return The ID of the Windows instance.</p>*/",
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"returnType" : "String",
"documentation" : null
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"map" : false,
"mapModel" : null,
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Windows instance.*/
  "setterMethodName" : "setInstanceId",
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    "variableType" : "String",
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    "variableSetterType" : "String"
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  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableSetterType" : "String"
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  "xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the Windows instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the Windows instance.</p>
@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/*<p>The ID of the Windows instance.</p>
@return The ID of the Windows instance.
*/",
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      "documentation" : null
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      "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"map" : false,
"mapModel" : null,
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Windows instance.*/",
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  "variableName" : "instanceId",
  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the Windows instance.</p>
@param instanceId The ID of the
Windows instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "InstanceId" ],
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"unmarshaller" : null,
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  "variableName" : "getPasswordDataRequest",
  "variableType" : "GetPasswordDataRequest",
  "documentation" : null,
"simpleType" : "GetPasswordDataRequest",
"variableSetterType" : "GetPasswordDataRequest"
},
"wrapper" : false
},
"GetPasswordDataResult" : {
"c2jName" : "GetPasswordDataResult",
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"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of GetPasswordData.</p>",
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"enumType" : null,
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@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The ID of the Windows instance.</p>
@return The ID of the Windows instance. */",
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"getModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
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@param instanceId The ID of the
Windows instance.*/",
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Windows instance.</p>
@param instanceId The ID of the
Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the Windows instance.</p>
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  "variableSetterType" : "String"
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  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time the data was last updated.</p>
"enumType" : null,
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@param timestamp The time the data was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The time the data was last updated.</p>
@param timestamp The time the data was last updated.
@return The time the data was last updated.*/",
  "getterMethodName" : "getTimestamp",
  "getterModel" : {


"returnType": "java.util.Date",
"documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Timestamp",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "timestamp",
  "uri": false
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"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
"name": "Timestamp",
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@param timestamp The time the data was last updated.*/",
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"setterModel": {
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  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
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"simple": true,
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@param timestamp The time the data was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": ""<p>The time the data was last updated.</p>",
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"c2jShape" : "String",
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"documentation" : "<p>The password of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The password of the instance.
 *
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withPasswordData",
"getterDocumentation" : "/**
 * The password of the instance.
 *
 * @return The password of the instance.
 */",
"getterMethodName" : "getPasswordData",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
 "additionalMarshallingPath" : null,
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "passwordData",
 "uri" : false
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"idempotencyToken" : false,
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"map" : false,
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"name" : "PasswordData",
"setterDocumentation" : "/**
 * The password of the instance.
 *
 * @param passwordData The password of the instance.
 * @return Returns a reference to this object so that method calls can be chained together.
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 "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The password of the instance.</p>",
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@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**<p>The ID of the Windows instance.</p>
@return The ID of the Windows instance.*/",
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      "isPayload": false,
      "isStreaming": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "instanceId",
      "uri": false
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the Windows instance.</p>
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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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@param instanceId The ID of the Windows instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
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"enumType" : null,
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@param passwordData The password of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPasswordData",
"getterDocumentation" : "/**<p>The password of the instance.</p>
@return The password of the instance.*/",
"getterMethodName" : "getPasswordData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "passwordData",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PasswordData",
"setterDocumentation" : "/**<p>The password of the instance.</p>
@param passwordData The password of the instance.*/*",
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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "passwordData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The password of the instance.</p>
@param passwordData The password of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/*",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "DateTime",
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"documentation" : "<p>The time the data was last updated.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The time the data was last updated.</p>@param timestamp The time the data was last updated.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "/*<p>The time the data was last updated.</p>@return The time the data was last updated.*/",
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"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "timestamp",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/*<p>The time the data was last updated.</p>@param timestamp The time the data was last updated.*/",
"setterMethodName" : "setTimestamp",
"setterModel" : {
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  "variableName" : "timestamp",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The time the data was last updated.</p>@param timestamp The time the data was last updated.</n@return Returns a reference to this object so that method calls can be chained together.*/"
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    "variableDeclarationType" : "java.util.Date",
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    "variableType" : "java.util.Date",
    "documentation" : "<p>The time the data was last updated.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "GetPasswordDataResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
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    "variableName" : "getPasswordDataResult",
    "variableType" : "GetPasswordDataResult",
    "documentation" : null,
    "simpleType" : "GetPasswordDataResult",
    "variableSetterType" : "GetPasswordDataResult"
},
"wrapper" : false,
"GetReservedInstancesExchangeQuoteRequest" : {
    "c2jName" : "GetReservedInstancesExchangeQuoteRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for GetReservedInstanceExchangeQuote.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
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        "locationName" : null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
  "c2jName": "ReservedInstanceIds",
  "c2jShape": "ReservedInstanceIdSet",
  "deprecated": false,
  "documentation": "The IDs of the Convertible Reserved Instances to exchange.<p>",
  "enumType": null,
  "fluentSetterDocumentation": /**\n  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * \n  * Returns a reference to this object so that method calls can be chained together.*\n  */,
  "fluentSetterMethodName": "withReservedInstanceIds",
  "getterDocumentation": /**\n  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * \n  * @param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.<p>
  * @return Returns a reference to this object so that method calls can be chained together.*\n  */,
  "getterMethodName": "getReservedInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ReservedInstanceId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ReservedInstanceId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "getterDocumentation": /**\n  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * The IDs of the Convertible Reserved Instances to exchange.<p>
  * \n  * @param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.<p>
  * @return Returns a reference to this object so that method calls can be chained together.*\n  */,
  "getterMethodName": "getReservedInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "ReservedInstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "ReservedInstanceIds",
"setterDocumentation": "<p>The IDs of the Convertible Reserved Instances to exchange.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*

@method
reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*

.setterMethodName": "setReservedInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reservedInstanceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
},
"simple": false,
"varargSetterDocumentation": "<p>The IDs of the Convertible Reserved Instances to exchange.</p>

@method

NOTE: This method appends the values to the existing list (if any). Use \{@link #setReservedInstanceIds(java.util.Collection)\} or \{@link #withReservedInstanceIds(java.util.Collection)\} if you want to override the existing values.</p>

@method
reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.\n@return Returns a reference to this object so that method calls can be chained together.*

"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "reservedInstanceIds",
"variableType": "java.util.List<String>",
"documentation": "<p>The IDs of the Convertible Reserved Instances to exchange.</p>

simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
},
"xmlNameSpaceUri": null
},
"c2jName": "TargetConfigurations",
"c2jShape" : "TargetConfigurationRequestSet",
"deprecated" : false,
"documentation" : "<p>The configuration requirements of the Convertible Reserved Instances to exchange for
your current Convertible Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\* The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
\* @param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"fluentSetterMethodName" : "withTargetConfigurations",
"getterDocumentation" : "/**
\* The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
\* @return The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
\*/",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
"returnType" : "java.util.List<TargetConfigurationRequest>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfiguration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetConfiguration",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "TargetConfigurationRequest",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\* @param member 
\* @return Returns a reference to this object so that method calls can be chained together.
\*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
\* @return *
\*/"}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "TargetConfigurationRequest",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TargetConfigurationRequest",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TargetConfigurationRequest",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "TargetConfigurationRequest",
  "variableName" : "member",
  "variableType" : "TargetConfigurationRequest",
  "documentation" : "",
  "simpleType" : "TargetConfigurationRequest",
  "variableSetterType" : "TargetConfigurationRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TargetConfigurationRequest",
  "variableName" : "member",
  "variableType" : "TargetConfigurationRequest",
  "documentation" : "",
  "simpleType" : "TargetConfigurationRequest",
  "variableSetterType" : "TargetConfigurationRequest"
},
"xmlNameSpaceUri" : null
"setterDocumentation": "The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances. The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.",
"setterMethodName": "setTargetConfigurations",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableType": "java.util.List<TargetConfigurationRequest>",
  "documentation": "The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.",
  "variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
},
"varargSetterDocumentation": "The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances. This method appends the values to the existing list (if any). Use { @link #setTargetConfigurations(java.util.Collection) } or { @link #withTargetConfigurations(java.util.Collection) } if you want to override the existing values. The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
  "variableType": "java.util.List<TargetConfigurationRequest>",
  "documentation": "The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.",
  "variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
},
"xmlNameSpaceUri": null}
"membersAsMap": {
    "ReservedInstanceIds": {
        "c2jName": "ReservedInstanceIds",
        "c2jShape": "ReservedInstanceIdSet",
        "deprecated": false,
        "documentation": "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>The IDs of the Convertible Reserved Instances to exchange.</p>
@param reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange
@return Returns a reference to this object so that method calls can be chained together.*/",
        "getterMethodName": "getReservedInstanceIds",
        "getterModel": {
            "returnType": "java.util.List<String>",
            "documentation": null
        }
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "ReservedInstanceId",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "ReservedInstanceId",
        "uri": false
    },
    "idempotencyToken": false,
    "list": true,
    "ListModel": {
        "implType": "com.amazonaws.internal.SdkInternalList",
        "interfaceType": "java.util.List",
        "listMemberModel": {
            "c2jName": "member",
            "c2jShape": "String",
            "deprecated": false,
            "documentation": "",
            "enumType": null,
            "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
            "getterMethodName": "withMember",
            "getterDocumentation": "/**\n@return */"
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstanceId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "ReservedInstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceIds",
"setterDocumentation" : "/**\n<p>The IDs of the Convertible Reserved Instances to exchange.</p>
@param
reservedInstanceIds The IDs of the Convertible Reserved Instances to exchange.*/",
"setterMethodName" : "setReservedInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The IDs of the Convertible Reserved Instances to exchange.</p>
\<b>NOTE:</b> This method appends the values to the existing list (if any). Use [\l\setReservedInstanceIds(java.util.Collection) or [\l\withReservedInstanceIds(java.util.Collection)] if you want to override the existing values.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"TargetConfigurations" : {
"c2jName" : "TargetConfigurations",
"c2jShape" : "TargetConfigurationRequestSet",
"deprecated" : false,
"documentation" : "The configuration requirements of the Convertible Reserved Instances to exchange for
your current Convertible Reserved Instances.

**getterDocumentation**

```java
/**
 * The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
 * @param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

**getterMethodName**

```java
"getTargetConfigurations"
```

**getterModel**

```java
{...
"returnType" : "java.util.List<TargetConfigurationRequest>",
"documentation" : null
```

**http**

```java
...
"marshallLocationName" : "TargetConfiguration",
"statusCode" : false,
"uri" : false
```

**idempotencyToken**

```java
false
```

**list**

```java
true
```

**listModel**

```java
{...
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "TargetConfigurationRequest",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "@**\n@param member \n@returns Returns a reference to this object so that method calls can be chained together.
 */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "@**\n@returns Returns a reference to this object so that method calls can be chained together.
 */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "TargetConfigurationRequest",
```

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Open Source Used In Virtualized Voice Browser 12.6(1)  23024
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetConfigurationRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "TargetConfigurationRequest",
"variableName" : "member",
"variableType" : "TargetConfigurationRequest",
"documentation" : "",
"simpleType" : "TargetConfigurationRequest",
"variableSetterType" : "TargetConfigurationRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "TargetConfigurationRequest",
"variableName" : "member",
"variableType" : "TargetConfigurationRequest",
"documentation" : "",
"simpleType" : "TargetConfigurationRequest",
"variableSetterType" : "TargetConfigurationRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "TargetConfigurationRequest",
"memberType" : "TargetConfigurationRequest",
"xmlNameSpaceUri" : null
}
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "TargetConfigurationRequest",
"templateImplType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>",
"templateType": "java.util.List<TargetConfigurationRequest>"
},
"map": false,
"mapModel": null,
"name": "TargetConfigurations",
"setterDocumentation": "**\<p>**\nThe configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.\n@\param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.*/\n\n\@param targetConfigurations\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setTargetConfigurations",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>\n",
  "variableName": "targetConfigurations",
  "variableType": "java.util.List<TargetConfigurationRequest>\n",
  "documentation": "",
  "simpleType": "List<TargetConfigurationRequest>\n",
  "variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
  },
"simple": false,
"varargSetterDocumentation": "**\<p>**\nThe configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.\n\n\bNOTE:\b This method appends the values to the existing list (if any). Use [\link #setTargetConfigurations(java.util.Collection)] or [\link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.\n\n\@param targetConfigurations The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.\n\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<TargetConfigurationRequest>\n",
  "variableName": "targetConfigurations",
  "variableType": "java.util.List<TargetConfigurationRequest>\n",
  "documentation": "\nThe configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.\n",
  "simpleType": "List<TargetConfigurationRequest>\n",
  "variableSetterType": "java.util.Collection<TargetConfigurationRequest>"
  },
"xmlNameSpaceUri": null
}
"required" : [ "ReservedInstanceIds" ],
"shapeName" : "GetReservedInstancesExchangeQuoteRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetReservedInstancesExchangeQuoteRequest",
  "variableName" : "getReservedInstancesExchangeQuoteRequest",
  "variableType" : "GetReservedInstancesExchangeQuoteRequest",
  "documentation" : null,
  "simpleType" : "GetReservedInstancesExchangeQuoteRequest",
  "variableSetterType" : "GetReservedInstancesExchangeQuoteRequest"
},
"wrapper" : false
},
"GetReservedInstancesExchangeQuoteResult" : {
  "c2jName" : "GetReservedInstancesExchangeQuoteResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ReservedInstanceValueSet",
    "c2jShape" : "ReservedInstanceReservationValueSet",
    "deprecated" : false,
    "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>*/",
    "getterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>*/",
    "getterMethodName" : "getReservedInstanceValueSet",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstanceReservationValue>",
      "documentation" : null
    },
    "http" : {
      "required" : [ "ReservedInstanceIds" ],
      "shapeName" : "GetReservedInstancesExchangeQuoteRequest",
      "unmarshaller" : null,
      "variable" : {
        "variableDeclarationType" : "GetReservedInstancesExchangeQuoteRequest",
        "variableName" : "getReservedInstancesExchangeQuoteRequest",
        "variableType" : "GetReservedInstancesExchangeQuoteRequest",
        "documentation" : null,
        "simpleType" : "GetReservedInstancesExchangeQuoteRequest",
        "variableSetterType" : "GetReservedInstancesExchangeQuoteRequest"
      },
      "wrapper" : false
    }
  }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstanceValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstanceValueSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstanceReservationValue",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstanceReservationValue",
      "documentation" : null
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstanceReservationValue",
  "variableName": "member",
  "variableType": "ReservedInstanceReservationValue",
  "documentation": "",
  "simpleType": "ReservedInstanceReservationValue",
  "variableSetterType": "ReservedInstanceReservationValue"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "ReservedInstanceReservationValue",
  "variableName": "member",
  "variableType": "ReservedInstanceReservationValue",
  "documentation": "",
  "simpleType": "ReservedInstanceReservationValue",
  "variableSetterType": "ReservedInstanceReservationValue"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstanceReservationValue",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstanceReservationValue",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
"templateType": "java.util.List<ReservedInstanceReservationValue>",
"map": false,
"mapModel": null,
"name": "ReservedInstanceValueSet",
"setterDocumentation": "/**\n@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances. */",
"setterMethodName": "setReservedInstanceValueSet"
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
  "variableName" : "reservedInstanceValueSet",
  "variableType" : "java.util.List<ReservedInstanceReservationValue>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstanceReservationValue>",
  "variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The configuration of your Convertible Reserved Instances.<p>
 * NOTE: This method appends the values to the existing list (if any). Use {@link #setReservedInstanceValueSet(java.util.Collection)} or {@link #withReservedInstanceValueSet(java.util.Collection)} if you want to override the existing values.<p>
 * @param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.<br>
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
  "variableName" : "reservedInstanceValueSet",
  "variableType" : "java.util.List<ReservedInstanceReservationValue>",
  "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>
  "<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstanceValueSet(java.util.Collection)} or { @link #withReservedInstanceValueSet(java.util.Collection)} if you want to override the existing values.<p>
  @param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.<br>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "List<ReservedInstanceReservationValue>",
  "variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ReservedInstanceValueRollup",
"c2jShape" : "ReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * @param reservedInstanceValueRollup
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstanceValueRollup",
"getterDocumentation" : "/**\n * @return */",
"getterMethodName" : "getReservedInstanceValueRollup",
"getterModel" : {
  "returnType" : "ReservationValue",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "ReservedInstanceValueRollup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstanceValueRollup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceValueRollup",
"setterDocumentation" : "/**
@param reservedInstanceValueRollup */",
"setterMethodName" : "setReservedInstanceValueRollup",
"setterModel" : {
  "variableDeclarationType" : "ReservationValue",
  "variableName" : "reservedInstanceValueRollup",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param reservedInstanceValueRollup \n@return Returns a reference to
this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ReservationValue",
  "variableName" : "reservedInstanceValueRollup",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
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"xmlNameSpaceUri" : null
},
"c2jName" : "TargetConfigurationValueSet",
"c2jShape" : "TargetReservationValueSet",
"deprecated" : false,
"documentation" : "<p>The values of the target Convertible Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTargetConfigurationValueSet",
"getterDocumentation" : "/**\n@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.\n@return The values of the target Convertible Reserved Instances. */",
"getterMethodName" : "getTargetConfigurationValueSet",
"getModel" : {
"returnType" : "java.util.List<TargetReservationValue>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TargetConfigurationValueSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "targetConfigurationValueSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "TargetReservationValue",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that method calls can be chained together */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "TargetReservationValue",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "TargetReservationValue",
  "variableName" : "member",
  "variableType" : "TargetReservationValue",
  "documentation" : "",
  "simpleType" : "TargetReservationValue",
  "variableSetterType" : "TargetReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "TargetReservationValue",
  "variableName" : "member",
  "variableType" : "TargetReservationValue",
  "documentation" : "",
  "simpleType" : "TargetReservationValue",
  "variableSetterType" : "TargetReservationValue"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "TargetReservationValue",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetReservationValue",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
"templateType" : "java.util.List<TargetReservationValue>
"},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurationValueSet",
"setterDocumentation" : "/**<p>The values of the target Convertible Reserved Instances.</p>
@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.*/",
"setterMethodName" : "setTargetConfigurationValueSet",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
    "variableName" : "targetConfigurationValueSet",
    "variableType" : "java.util.List<TargetReservationValue>",
    "documentation" : "",
    "simpleType" : "List<TargetReservationValue>",
    "variableSetterType" : "java.util.Collection<TargetReservationValue>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The values of the target Convertible Reserved Instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTargetConfigurationValueSet(java.util.Collection)] or [@link #withTargetConfigurationValueSet(java.util.Collection)] if you want to override the existing values.</p>
@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
    "variableName" : "targetConfigurationValueSet",
    "variableType" : "java.util.List<TargetReservationValue>",
    "documentation" : "The values of the target Convertible Reserved Instances.",
    "simpleType" : "List<TargetReservationValue>",
    "variableSetterType" : "java.util.Collection<TargetReservationValue>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TargetConfigurationValueRollup",
"c2jShape" : "ReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param targetConfigurationValueRollup 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfigurationValueRollup",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getTargetConfigurationValueRollup",
"getterModel" : {
    "returnType" : "ReservationValue",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationValueRollup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfigurationValueRollup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurationValueRollup",
"setterDocumentation" : "/**
@param targetConfigurationValueRollup */",
"setterMethodName" : "setTargetConfigurationValueRollup",
"setterModel" : {
  "variableDeclarationType" : "ReservationValue",
  "variableName" : "targetConfigurationValueRollup",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param targetConfigurationValueRollup \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservationValue",
  "variableName" : "targetConfigurationValueRollup",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PaymentDue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The total true upfront charge for the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param paymentDue The total true upfront charge for the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPaymentDue",
**getterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```
**getterMethodName**: `getPaymentDue`

**getterModel**: 
```js
{
  "returnType": "String",
  "documentation": null
}
```

**http**: 
```js
{
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PaymentDue",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "paymentDue",
  "uri": false
}
```

**idempotencyToken**: false

**list**: false

**listModel**: null

**map**: false

**mapModel**: null

**name**: `PaymentDue`

**setterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```
**setterMethodName**: `setPaymentDue`

**setterModel**: 
```js
{
  "variableDeclarationType": "String",
  "variableName": "paymentDue",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}
```

**simple**: true

**varargSetterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```
**varargMethodName**: `setPaymentDue`

**varargModel**: 
```js
{
  "variableDeclarationType": "String",
  "variableName": "paymentDue",
  "variableType": "String",
  "documentation": "<p>The total true upfront charge for the exchange.</p>"
}
```

**simple**: true

**varargSetterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```

**list**: false

**listModel**: null

**map**: false

**mapModel**: null

**name**: `PaymentDue`

**setterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```
**setterMethodName**: `setPaymentDue`

**setterModel**: 
```js
{
  "variableDeclarationType": "String",
  "variableName": "paymentDue",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}
```

**simple**: true

**varargSetterDocumentation**: 
```html
<p>The total true upfront charge for the exchange.</p>
```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The currency of the transaction.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The currency of the transaction.</p>@param currencyCode The currency of the transaction.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency of the transaction.</p>@return The currency of the transaction.*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency of the transaction.</p>@param currencyCode The currency of the transaction.*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency of the transaction.</p>
@param currencyCode The currency of the transaction.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency of the transaction.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OutputReservedInstancesWillExpireAt",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The new end date of the reservation term.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOutputReservedInstancesWillExpireAt",
"getterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@return The new end date of the reservation term.*/",
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OutputReservedInstancesWillExpireAt",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
  "xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "outputReservedInstancesWillExpireAt",
"setterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param
outputReservedInstancesWillExpireAt The new end date of the reservation term. */",
"setterMethodName" : "setOutputReservedInstancesWillExpireAt",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "outputReservedInstancesWillExpireAt",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param
outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "outputReservedInstancesWillExpireAt",
"variableType" : "java.util.Date",
"documentation" : "<p>The new end date of the reservation term.</p>
",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "IsValidExchange",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@param
isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withIsValidExchange",
"getterDocumentation" : "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@return If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
",
"getterMethodName" : "getIsValidExchange"}
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "IsValidExchange",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "isValidExchange",
  "uri": false
},

"idempotencyToken": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"name": "IsValidExchange",

"setterDocumentation": "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "setIsValidExchange",

"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "isValidExchange",
  "variableType": "Boolean",
  "documentation": 
  "simple": true,
  "varargSetterDocumentation": "/**<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "isValidExchange",
  "variableType": "Boolean",
  "documentation": 
  "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>
</p>"
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {  
"c2jName" : "ValidationFailureReason",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p\>Describes the reason why the exchange cannot be completed.\</p\>",
"enumType" : null,
"fluentSetterDocumentation" : "\/**\<p\>Describes the reason why the exchange cannot be completed.\</p\>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "\/**\<p\>Describes the reason why the exchange cannot be completed.\</p\>\n@return Describes the reason why the exchange cannot be completed.*/",
"getterMethodName" : "getValidationFailureReason",
"getterModel" : {  
"returnType" : "String",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidationFailureReason",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validationFailureReason",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidationFailureReason",
"setterDocumentation" : "\/**\<p\>Describes the reason why the exchange cannot be completed.\</p\>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setValidationFailureReason",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "validationFailureReason",
"variableSetterType" : "Boolean"}
"variableType": "String",
"documentation": ",
"simpleType": "String",
"variableSetterType": "String"
}
,"simple": true,
"varargSetterDocumentation": "/**\n<p>Describes the reason why the exchange cannot be completed.</p>\n@vararg validationFailureReason Describes the reason why the exchange cannot be completed.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "validationFailureReason",
"variableType": "String",
"documentation": "<p>Describes the reason why the exchange cannot be completed.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
"CurrencyCode": {
"c2jName": "CurrencyCode",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The currency of the transaction.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The currency of the transaction.</p>\n@fluent_currencyCode The currency of the transaction.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCurrencyCode",
"getterDocumentation": "/**\n<p>The currency of the transaction.</p>\n@return The currency of the transaction.*/",
"getterMethodName": "getCurrencyCode",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CurrencyCode",
"queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency of the transaction.</p>
@param currencyCode The currency of the transaction.*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency of the transaction.</p>
@param currencyCode The currency of the transaction.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "<p>The currency of the transaction.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IsValidExchange" : {
"c2jName" : "IsValidExchange",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If &lt;code&gt;true&lt;/code&gt;, the exchange is valid. If &lt;code&gt;false&lt;/code&gt;, the exchange cannot be completed.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If &lt;code&gt;true&lt;/code&gt;, the exchange is valid. If &lt;code&gt;false&lt;/code&gt;, the exchange cannot be completed.&lt;/p&gt;
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIsValidExchange",
"getterDocumentation" : "/**<p>If &lt;code&gt;true&lt;/code&gt;, the exchange is valid. If &lt;code&gt;false&lt;/code&gt;, the
exchange cannot be completed.

@return If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed. */

"getterMethodName" : "getIsValidExchange",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "IsValidExchange",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "isValidExchange",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsValidExchange",
"setterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"setterMethodName" : "setIsValidExchange",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@param isValidExchange If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isValidExchange",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"variableType" : "Boolean",
"documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"OutputReservedInstancesWillExpireAt" : {
"c2jName" : "OutputReservedInstancesWillExpireAt",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The new end date of the reservation term."
"enumType" : null,
"fluentSetterDocumentation" : "The new end date of the reservation term.
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "The new end date of the reservation term."
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutputReservedInstancesWillExpireAt",
"setterDocumentation" : "The new end date of the reservation term."
"setterMethodName" : "withOutputReservedInstancesWillExpireAt",
"getterDocumentation" : "The new end date of the reservation term."
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutputReservedInstancesWillExpireAt",
"setterDocumentation" : "The new end date of the reservation term."
"setterMethodName" : "withOutputReservedInstancesWillExpireAt",
"getterDocumentation" : "The new end date of the reservation term."
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OutputReservedInstancesWillExpireAt",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "outputReservedInstancesWillExpireAt",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OutputReservedInstancesWillExpireAt",
"setterDocumentation" : "The new end date of the reservation term."
"setterMethodName" : "withOutputReservedInstancesWillExpireAt",
"getterDocumentation" : "The new end date of the reservation term."
"getterMethodName" : "getOutputReservedInstancesWillExpireAt",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"setterMethodName" : "setOutputReservedInstancesWillExpireAt",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "outputReservedInstancesWillExpireAt",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The new end date of the reservation term.</p>
@param outputReservedInstancesWillExpireAt The new end date of the reservation term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "outputReservedInstancesWillExpireAt",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The new end date of the reservation term.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"PaymentDue" : {
  "c2jName" : "PaymentDue",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The total true upfront charge for the exchange.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@param paymentDue The total true upfront charge for the exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPaymentDue",
  "getterDocumentation" : "/**<p>The total true upfront charge for the exchange.</p>
@return The total true upfront charge for the exchange.*/",
  "getterMethodName" : "getPaymentDue",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
The total true upfront charge for the exchange.

```java
setterMethodName = "setPaymentDue",
setterModel = {
  variableDeclarationType = "String",
  variableName = "paymentDue",
  variableType = "String",
  documentation = 
  simpleType = "String",
  variableSetterType = "String"
},
simple = true,
varargSetterDocumentation = "The total true upfront charge for the exchange.

variable = {
  variableDeclarationType = "String",
  variableName = "paymentDue",
  variableType = "String",
  documentation = "The total true upfront charge for the exchange.
  "
  simpleType = "String",
  variableSetterType = "String"
},
xmNameSpaceUri = null
},
ReservedInstanceValueRollup = {
  c2jName = "ReservedInstanceValueRollup",
  c2jShape = "ReservationValue",
  deprecated = false,
  documentation = "",
  enumType = null,
  fluentSetterDocumentation = "Returns a reference to this object so that method calls can be chained together.

fluentSetterMethodName = "withReservedInstanceValueRollup",
getterDocumentation = "",
}```
"getterMethodName" : "getReservedInstanceValueRollup",
"getterModel" : {
    "returnType" : "ReservationValue",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstanceValueRollup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstanceValueRollup",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceValueRollup",
"setterDocumentation" : "/**
@param reservedInstanceValueRollup */",
"setterMethodName" : "setReservedInstanceValueRollup",
"setterModel" : {
    "variableDeclarationType" : "ReservationValue",
    "variableName" : "reservedInstanceValueRollup",
    "variableType" : "ReservationValue",
    "documentation" : "",
    "simpleType" : "ReservationValue",
    "variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param reservedInstanceValueRollup 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ReservationValue",
    "variableName" : "reservedInstanceValueRollup",
    "variableType" : "ReservationValue",
    "documentation" : "",
    "simpleType" : "ReservationValue",
    "variableSetterType" : "ReservationValue"
},
"xmlNameSpaceUri" : null
"ReservedInstanceValueSet" : {
  "c2jName" : "ReservedInstanceValueSet",
  "c2jShape" : "ReservedInstanceReservationValueSet",
  "deprecated" : false,
  "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>
@\param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withReservedInstanceValueSet",
  "getterDocumentation" : "/**
@return The configuration of your Convertible Reserved Instances.
*/",
  "getterMethodName" : "getReservedInstanceValueSet",
  "getterModel" : {
    "returnType" : "java.util.List<ReservedInstanceReservationValue>",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstanceValueSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstanceValueSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstanceReservationValue",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\param member \n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<ReservedInstanceReservationValue>",
      "documentation" : null
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ReservedInstanceReservationValue",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstanceReservationValue",
  "variableName" : "member",
  "variableType" : "ReservedInstanceReservationValue",
  "documentation" : "",
  "simpleType" : "ReservedInstanceReservationValue",
  "variableSetterType" : "ReservedInstanceReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ReservedInstanceReservationValue",
  "variableName" : "member",
  "variableType" : "ReservedInstanceReservationValue",
  "documentation" : "",
  "simpleType" : "ReservedInstanceReservationValue",
  "variableSetterType" : "ReservedInstanceReservationValue"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "ReservedInstanceReservationValue",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstanceReservationValue",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
"templateType" : "java.util.List<ReservedInstanceReservationValue>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstanceValueSet",
"setterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.
@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.</p>*/
@n@param reservedInstanceValueSet The configuration of your Convertible Reserved Instances.
	/**<p>The configuration of your Convertible Reserved Instances.</p>
	<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstanceValueSet(java.util.Collection)} or { @link #withReservedInstanceValueSet(java.util.Collection)} if you want to override the existing values.</p>*/
@n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "declarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
  "variableName" : "reservedInstanceValueSet",
  "variableType" : "java.util.List<ReservedInstanceReservationValue>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstanceReservationValue>",
  "variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration of your Convertible Reserved Instances.</p>

<p>NOTE:</p>

This method appends the values to the existing list (if any). Use { @link #setReservedInstanceValueSet(java.util.Collection)} or { @link #withReservedInstanceValueSet(java.util.Collection)} if you want to override the existing values.</p>
@n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "declarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstanceReservationValue>",
  "variableName" : "reservedInstanceValueSet",
  "variableType" : "java.util.List<ReservedInstanceReservationValue>",
  "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>",
  "simpleType" : "List<ReservedInstanceReservationValue>",
  "variableSetterType" : "java.util.Collection<ReservedInstanceReservationValue>"
},
"xmlNameSpaceUri" : null
},
"TargetConfigurationValueRollup" : {
  "c2jName" : "TargetConfigurationValueRollup"
"c2jShape" : "ReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param targetConfigurationValueRollup
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfigurationValueRollup",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getTargetConfigurationValueRollup",
"getterModel" : {
"returnType" : "ReservationValue",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationValueRollup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfigurationValueRollup",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurationValueRollup",
"setterDocumentation" : "/**\n@param targetConfigurationValueRollup */",
"setterMethodName" : "setTargetConfigurationValueRollup",
"setterModel" : {
"variableDeclarationType" : "ReservationValue",
"variableName" : "targetConfigurationValueRollup",
"variableType" : "ReservationValue",
"documentation" : "",
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param targetConfigurationValueRollup \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : 

"variableDeclarationType" : "ReservationValue",
"variableName" : "targetConfigurationValueRollup",
"variableType" : "ReservationValue",
"documentation" : "",
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
},
"xmlNameSpaceUri" : null
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"TargetConfigurationValueSet" : {
"c2jName" : "TargetConfigurationValueSet",
"c2jShape" : "TargetReservationValueSet",
"deprecated" : false,
"documentation" : "<p>The values of the target Convertible Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The values of the target Convertible Reserved Instances.</p>\n@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfigurationValueSet",
"getterDocumentation" : "/**\n<p>The values of the target Convertible Reserved Instances.</p>\n@return The values of the target Convertible Reserved Instances.*/",
"getterMethodName" : "getTargetConfigurationValueSet",
"getterModel" : {
"returnType" : "java.util.List<TargetReservationValue>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetConfigurationValueSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfigurationValueSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : "",
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
}
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"listCollections" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
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"listSet" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : "",
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
}
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"listOfType" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : "",
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
}
},
"listWithMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"listWithUnionMember" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodList" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodListMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodNonNullList" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodNonNullListMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodSet" : {
"implType" : "com.amazonaws.internal.SdkInternalSet",
"interfaceType" : "java.util.Set",
"setMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodSetMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalSet",
"interfaceType" : "java.util.Set",
"setMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodNonNullSet" : {
"implType" : "com.amazonaws.internal.SdkInternalSet",
"interfaceType" : "java.util.Set",
"setMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodNonNullSetMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalSet",
"interfaceType" : "java.util.Set",
"setMemberModel" : {
"c2jName" : "member",
"documentation" : null
}
},
"methodMap" : {
"implType" : "com.amazonaws.internal.SdkInternalMap",
"interfaceType" : "java.util.Map",
"mapKeyModel" : {
"c2jName" : "key",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"methodMapMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalMap",
"interfaceType" : "java.util.Map",
"mapKeyModel" : {
"c2jName" : "key",
"documentation" : null
}
},
"methodNonNullMap" : {
"implType" : "com.amazonaws.internal.SdkInternalMap",
"interfaceType" : "java.util.Map",
"mapKeyModel" : {
"c2jName" : "key",
"documentation" : null
}
},
"methodNonNullMapMemberUnion" : {
"implType" : "com.amazonaws.internal.SdkInternalMap",
"interfaceType" : "java.util.Map",
"mapKeyModel" : {
"c2jName" : "key",
"documentation" : null
}
}
"c2jShape" : "TargetReservationValue",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "TargetReservationValue",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "TargetReservationValue",
  "variableName" : "member",
  "variableType" : "TargetReservationValue",
  "documentation" : "",
  "simpleType" : "TargetReservationValue",
  "variableSetterType" : "TargetReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "TargetReservationValue",
"variableName" : "member",
"variableType" : "TargetReservationValue",
"documentation" : "",
"simpleType" : "TargetReservationValue",
"variableSetterType" : "TargetReservationValue"
],
"xmlNameSpaceUri" : null
}
},
"memberLocationName" : "item",
"memberType" : "TargetReservationValue",
"map" : false.
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "TargetReservationValue",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
"templateType" : "java.util.List<TargetReservationValue>
",
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurationValueSet",
"setterDocumentation" : "/**
<p>The values of the target Convertible Reserved Instances.</p>
@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.</p>*/",
"setterMethodName" : "setTargetConfigurationValueSet",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
"variableName" : "targetConfigurationValueSet",
"variableType" : "java.util.List<TargetReservationValue>",
"documentation" : "",
"simpleType" : "List<TargetReservationValue>",
"variableSetterType" : "java.util.Collection<TargetReservationValue>"
],
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurationValueSet",
"setterDocumentation" : "/**\n<p>The values of the target Convertible Reserved Instances.</p>*/

\</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTargetConfigurationValueSet(java.util.Collection)} or { @link #withTargetConfigurationValueSet(java.util.Collection)} if you want to override the existing values.</p>\n@param targetConfigurationValueSet The values of the target Convertible Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<TargetReservationValue>",
"variableName" : "targetConfigurationValueSet",
"variableType" : "java.util.List<TargetReservationValue>",
"documentation" : "",
"simpleType" : "List<TargetReservationValue>",
"simpleType" : "List<TargetReservationValue>"
"variableSetterType" : "java.util.Collection<
ValidationFailureReason"},
"xmlNameSpaceUri" : null
},
"ValidationFailureReason" : {
"c2jName" : "ValidationFailureReason",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Describes the reason why the exchange cannot be completed.<p>
"enumType" : null,
"fluentSetterDocumentation" : "Describes the reason why the exchange cannot be completed.<p>

"fluentSetterMethodName" : "withValidationFailureReason",
"getterDocumentation" : "Describes the reason why the exchange cannot be completed.<p>

"getterMethodName" : "getValidationFailureReason",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidationFailureReason",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validationFailureReason",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidationFailureReason",
"setterDocumentation" : "Describes the reason why the exchange cannot be completed.<p>

"setterMethodName" : "setValidationFailureReason",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "validationFailureReason"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/** Describes the reason why the exchange cannot be completed. */
@param validationFailureReason Describes the reason why the exchange cannot be completed.
@return Returns a reference to this object so that method calls can be chained together."",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "validationFailureReason",
  "variableType" : "String",
  "documentation" : "<p>Describes the reason why the exchange cannot be completed.</p>
  "@param validationFailureReason Describes the reason why the exchange cannot be completed.
  "@return Returns a reference to this object so that method calls can be chained together."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"enums": null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
    {
        "c2jName": "GroupName",
        "c2jShape": "String",
        "deprecated": false,
        "documentation": "<p>The name of the security group.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withGroupName",
        "getterDocumentation": "/**<p>The name of the security group.</p>
@return The name of the security group.*/",
        "getterMethodName": "getGroupName",
        "getterModel": {
            "returnType": "String",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "GroupName",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "groupName",
            "uri": false
        },
        "idempotencyToken": false,
        "list": false,
        "listModel": null,
        "map": false,
        "mapModel": null,
        "name": "GroupName",
        "setterDocumentation": "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
        "setterMethodName": "setGroupName",
        "setterModel": 
    },
    ...
]
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The name of the security group.\n@param groupName The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "<p>The name of the security group.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>
"simple" : true,
"fluentSetterDocumentation" : "/**\p>The ID of the security group.\n@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**\p>The ID of the security group.\n@return The ID of the security group.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>@param groupId The ID of the security group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "GroupId" : {
    "c2jName" : "GroupId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the security group.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId",
    "getterDocumentation" : "/**<p>The ID of the security group.</p>@return The ID of the security group.*/",
    "getterMethodName" : "getGroupId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "method" : "GET",
      "resourcePath" : "/2016-11-15/security-groups/{groupId}",
      "responseBodyShape" : "GroupIdResponse",
      "responseType" : "String"
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "groupId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "groupId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the security group.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"GroupName" : {
 "c2jName" : "GroupName",
 "c2jShape" : "String",
 "deprecated" : false,
"documentation" : "The name of the security group.\n@\n@param\n\n@\n@return\nReturns a reference to this object so that method calls can be chained together.\n\n\n"fluentSetterMethodName" : "withGroupName",\n"getterDocumentation" : "The name of the security group.\n@\n@param\n\n@\n@return\nThe name of the security group.\n\n\n"getterMethodName" : "getGroupName",\n"getterModel" : {\n  "returnType" : "String",\n  "documentation" : null\n},\n"http" : {\n  "additionalMarshallingPath" : null,\n  "additionalUnmarshallingPath" : null,\n  "flattened" : false,\n  "greedy" : false,\n  "header" : false,\n  "isPayload" : false,\n  "isStreaming" : false,\n  "location" : null,\n  "marshallLocationName" : "GroupName",\n  "queryString" : false,\n  "statusCode" : false,\n  "unmarshallLocationName" : "groupName",\n  "uri" : false\n},\n"idempotencyToken" : false,\n"list" : false,\n"listModel" : null,\n"map" : false,\n"mapModel" : null,\n"name" : "GroupName",\n"setterDocumentation" : "The name of the security group.\n@\n@param\n\n@\n@return\nReturns a reference to this object so that method calls can be chained together.\n\n\n"setterMethodName" : "setGroupName",\n"setterModel" : {\n  "variableDeclarationType" : "String",\n  "variableName" : "groupName",\n  "variableType" : "String",\n  "documentation" : "",\n  "simpleType" : "String",\n  "variableSetterType" : "String"\n},\n"simple" : true,\n"varargSetterDocumentation" : "The name of the security group.\n@\n@param\n\n@\n@return\nReturns a reference to this object so that method calls can be chained together.\n\n\n"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "The name of the security group."
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GroupIdentifier",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "groupIdentifier",
  "variableType" : "GroupIdentifier",
  "documentation" : null,
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"wrapper" : false
},
"HistoryRecord" : {
  "c2jName" : "HistoryRecord",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes an event in the history of the Spot fleet request."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
  "c2jName" : "Timestamp",
  "c2jShape" : "DateTime"}]}
"deprecated" : false,
"documentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param timestamp The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTimestamp",
"getterDocumentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@return The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). */",
"getterMethodName" : "getTimestamp",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Timestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "timestamp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param timestamp The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "timestamp",
  "variableType" : "java.util.Date"
"documentation": "",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The date and time of the event, in UTC format (for example, \<i>YYYY</i>-\<i>MM</i>-\<i>DD</i>\,<i>HH</i>:<i>MM</i>:<i>SS</i>).</p>\n@param timestamp The date and time of the event, in UTC format (for example, \<i>YYYY</i>-\<i>MM</i>-\<i>DD</i>\,<i>HH</i>:<i>MM</i>:<i>SS</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "timestamp",
  "variableType": "java.util.Date",
  "documentation": "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"c2jName": "EventType",
"c2jShape": "EventType",
"deprecated": false,
"documentation": "<p>The event type.</p> 
<ul> 
  <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> 
  </li> 
  <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> 
  </li> 
  <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> 
  </li> 
</ul>
@return Returns a reference to this object so that method calls can be chained together.
@see EventType*/",
"fluentSetterDocumentation": "/**The event type. \n<ul> \li > <p>code>error</p> - Indicates an error with the Spot fleet request. \n</li> <li> <p>code>fleetRequestChange</p> - Indicates a change in the status or configuration of the Spot fleet request. \n</li> <li> <p>code>instanceChange</p> - Indicates that an instance was launched or terminated. \n</ul> \n@see EventType*/",
"fluentSetterMethodName": "withEventType",
"getterDocumentation": "/**The event type. \n<ul> \li > <p>code>error</p> - Indicates an error with the Spot fleet request. \n</li> <li> <p>code>fleetRequestChange</p> - Indicates a change in the status or configuration of the Spot fleet request. \n</li> <li> <p>code>instanceChange</p> - Indicates that an instance was launched or terminated. \n</ul>
@see EventType*/",
"getterMethodName": "getEventType",
"getterModel": {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/** <p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul> <p>@see EventType*/",
"setterMethodName" : "setEventType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "eventType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul> <p>@see EventType*/",Open Source Used In Virtualized Voice Browser 12.6(1)  23066
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "<p>The event type.</p> <ul>
  <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li>
  <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li>
  <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li>
  </ul>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlns:SpaceUri" : null
},
{"c2jName" : "EventInformation",
"c2jShape" : "EventInformation",
"deprecated" : false,
"documentation" : "<p>Information about the event.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the event.</p>\n@param eventInformation Information about the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEventInformation",
"getterDocumentation" : "/**<p>Information about the event.</p>\n@return Information about the event.*/",
"getterMethodName" : "getEventInformation",
"getterModel" : {
  "returnType" : "EventInformation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EventInformation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "eventInformation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "EventInformation",
"setterDocumentation": "/**<p>Information about the event.</p>*/
@param eventInformation Information about the event.*"",
"setterMethodName": "setEventInformation",
"setterModel": {
  "variableDeclarationType": "EventInformation",
  "variableName": "eventInformation",
  "variableType": "EventInformation",
  "documentation": "",
  "simpleType": "EventInformation",
  "variableSetterType": "EventInformation"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the event.</p>*/
@param eventInformation Information about the event.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "EventInformation",
  "variableName": "eventInformation",
  "variableType": "EventInformation",
  "documentation": "<p>Information about the event.</p>",
  "simpleType": "EventInformation",
  "variableSetterType": "EventInformation"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "EventInformation": {
  "c2jName": "EventInformation",
  "c2jShape": "EventInformation",
  "deprecated": false,
  "documentation": "<p>Information about the event.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Information about the event.</p>*/
@param eventInformation Information about the event.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName": "withEventInformation",
  "getterDocumentation": "/**<p>Information about the event.</p>*/
@return Information about the event.*"",
  "getMethodName": "getEventInformation",
  "getMethodModel": {
    "returnType": "EventInformation",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "map": false,
    "mapModel": null,
    "name": "EventInformation",
    "setterDocumentation": "/**<p>Information about the event.</p>*/
@param eventInformation Information about the event.*"",
    "setterMethodName": "setEventInformation",
    "setterModel": {
      "variableDeclarationType": "EventInformation",
      "variableName": "eventInformation",
      "variableType": "EventInformation",
      "documentation": "",
      "simpleType": "EventInformation",
      "variableSetterType": "EventInformation"
    },
    "simple": false,
    "varargSetterDocumentation": "/**<p>Information about the event.</p>*/
@param eventInformation Information about the event.
@return Returns a reference to this object so that method calls can be chained together.*"",
    "variable": {
      "variableDeclarationType": "EventInformation",
      "variableName": "eventInformation",
      "variableType": "EventInformation",
      "documentation": "<p>Information about the event.</p>",
      "simpleType": "EventInformation",
      "variableSetterType": "EventInformation"
    },
    "xmlNameSpaceUri": null
  }
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "EventInformation",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "eventInformation",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EventInformation",
"setterDocumentation": "/*\n<p>Information about the event.\n@param eventInformation Information about the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEventInformation",
"setterModel": {
"variableDeclarationType": "EventInformation",
"variableName": "eventInformation",
"variableType": "EventInformation",
"documentation": "",
"simpleType": "EventInformation",
"variableSetterType": "EventInformation"
},
"simple": false,
"varargSetterDocumentation": "/*\n<p>Information about the event.\n@param eventInformation Information about the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "EventInformation",
"variableName": "eventInformation",
"variableType": "EventInformation",
"documentation": "<p>Information about the event.</p>",
"simpleType": "EventInformation",
"variableSetterType": "EventInformation"
},
"xmlnsSpaceUri": null
},
"EventType": {
"c2jName": "EventType",
"c2jShape": "EventType",
"deprecated": false,
"documentation": "The event type.\n<ul>\n<li><p>\n</li>
"<code>error</code> - Indicates an error with the
Spot fleet request.\</li>\li>\p>\code{fleetRequestChange}\</code> - Indicates a change in the status or configuration of the Spot fleet request.\</li>\li>\p>\code{instanceChange}\</code> - Indicates that an instance was launched or terminated.\</li>\li>\p>n@param eventType The event type.\</li>\li>\p>n@return Returns a reference to this object so that method calls can be chained together.\n
"fluentSetterDocumentation" : "withEventType",
"getterDocumentation" : "/**\p>The event type.\</li>\li>\p>n@return The event type.\</li>
"getterMethodName" : "getEventType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/**\p>The event type.\</li>\li>\p>n@see EventType*/";
with the Spot fleet request.</p>
<li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p>
<li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p></li>
<li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p>
<li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p>
<li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p>
</li>

```xml
<s:parameter name="eventType"><p>The event type.</p>
<ul>
<li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p>
<li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p>
<li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p>
</li>
</ul>
</s:parameter>
```

```xml
.setterMethodName" : "setEventType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "eventType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@see EventType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "eventType",
"variableType" : "String",
"documentation" : "The event type.
<ul>
<li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p>
<li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p>
<li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p>
</li>
</ul>
@param timestamp The date and time of the event, in UTC format (for example, <i>YYYY-MM-DDThh:mm:ssZ</i>).</p>

```xml
"Timestamp" : {
"c2jName" : "Timestamp",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time of the event, in UTC format (for example, <i>YYYY-MM-DDThh:mm:ssZ</i>)."
},
"enumType" : null,
"fluentSetterDocumentation" : "\n@see timestamp The date and time of the event, in UTC format (for example, <i>YYYY-MM-DDThh:mm:ssZ</i>)."
```
**Timestamp**

```java
public 

/**<p>The date and time of the event, in UTC format (for example, "YYYY-MM-DD HH:MM:SS".)</p>
@return The date and time of the event, in UTC format (for example, "YYYY-MM-DD HH:MM:SS".)*/
getterMethodName" : "getTimestamp",
getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Timestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "timestamp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Timestamp",
"setterDocumentation" : "/**<p>The date and time of the event, in UTC format (for example, "YYYY-MM-DD HH:MM:SS").</p>
@param timestamp The date
```
and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "timestamp",
"variableType" : "java.util.Date",
"documentation" : "The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).

"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Timestamp", "EventType", "EventInformation" ],
"shapeName" : "HistoryRecord",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "HistoryRecord",
"variableName" : "historyRecord",
"variableType" : "HistoryRecord",
"documentation" : null,
"simpleType" : "HistoryRecord",
"variableSetterType" : "HistoryRecord"
},
"wrapper" : false
",
"Host" : {
"c2jName" : "Host",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the properties of the Dedicated Host.

"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember": false,
"marshaller": null,
"members": [{
  "c2jName": "HostId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the Dedicated Host.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the Dedicated Host.</p>
  @param hostId The ID of the Dedicated Host.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withHostId",
  "getterDocumentation": "/**<p>The ID of the Dedicated Host.</p>
  @return The ID of the Dedicated Host.
  */",
  "getterMethodName": "getHostId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "HostId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "hostId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "HostId",
  "setterDocumentation": "/**<p>The ID of the Dedicated Host.</p>
  @param hostId The ID of the Dedicated Host.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setHostId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "hostId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Dedicated Host.</p>
@param hostId The ID of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "hostId",
"variableType" : "String",
"documentation" : "<p>The ID of the Dedicated Host.</p>
/**<p>The ID of the Dedicated Host.</p>
@param hostId The ID of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"c2jName" : "AutoPlacement",
"c2jShape" : "AutoPlacement",
"deprecated" : false,
"documentation" : "<p>Whether auto-placement is on or off.</p>
/**<p>Whether auto-placement is on or off.</p>
@param autoPlacement Whether auto-placement is on or off.
@return Whether auto-placement is on or off.
@see AutoPlacement*/",
"fluentSetterMethodName" : "withAutoPlacement",
"getterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@return Whether auto-placement is on or off.
@see AutoPlacement*/",
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoPlacement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "autoPlacement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@param autoPlacement Whether auto-placement is on or off.
@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Whether auto-placement is on or off.</p>
@param autoPlacement Whether auto-placement is on or off.
@return Returns a reference to this object so that method calls can be chained together.
@see AutoPlacement*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "p>Whether auto-placement is on or off.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "HostReservationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostReservationId",
"getterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@return The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.*/",
"getterMethodName" : "getHostReservationId",
"getterModel" : {
  "returnType" : "String",
"
**The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation.**

@param hostReservationId

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
    "documentation" : "The reservation ID of the Dedicated Host. This returns a `<code>null</code>` response if the Dedicated Host doesn't have an associated reservation."
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.</p>&lt;/**
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/a&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{/c2jName" : "HostProperties",
"c2jShape" : "HostProperties",
"deprecated" : false}
"documentation" : "<p>The hardware specifications of the Dedicated Host.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hardware specifications of the Dedicated Host.</p>
@param hostProperties The hardware specifications of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostProperties",
"getterDocumentation" : "/**<p>The hardware specifications of the Dedicated Host.</p>
@return The hardware specifications of the Dedicated Host.*/",
"getterMethodName" : "getHostProperties",
"getterModel" : {
"returnType" : "HostProperties",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostProperties",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostProperties",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostProperties",
"setterDocumentation" : "/**<p>The hardware specifications of the Dedicated Host.</p>
@param hostProperties The hardware specifications of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHostProperties",
"setterModel" : {
"variableDeclarationType" : "HostProperties",
"variableName" : "hostProperties",
"variableType" : "HostProperties",
"documentation" : "",
"simpleType" : "HostProperties",
"variableSetterType" : "HostProperties"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The hardware specifications of the Dedicated Host.</p>
@param hostProperties The hardware specifications of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/"
that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "HostProperties",
  "variableName" : "hostProperties",
  "variableType" : "HostProperties",
  "documentation" : "<p>The hardware specifications of the Dedicated Host.</p>",
  "simpleType" : "HostProperties",
  "variableSetterType" : "HostProperties"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "State",
  "c2jShape" : "AllocationState",
  "deprecated" : false,
  "documentation" : "<p>The Dedicated Host's state.</p>",
  "enumType" : "AllocationState",
  "fluentSetterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@return The Dedicated Host's state.
@see AllocationState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "State"
"setterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@see AllocationState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : <p>The Dedicated Host's state.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "/p>The Availability Zone of the Dedicated Host.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"fluentSetterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@param availabilityZone The Availability Zone of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@return The Availability Zone of the Dedicated Host.
@see AllocationState*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@param availabilityZone
The Availability Zone of the Dedicated Host.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the Dedicated Host.</p>
@param availabilityZone The Availability Zone of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the Dedicated Host.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Instances",
"c2jShape" : "HostInstanceList",
"deprecated" : false,
"documentation" : "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>",
"enumType" : null,
"fluuentSetterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
@param instances The IDs and instance type that are currently running on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluuentSetterMethodName" : "withInstances"
"getterDocumentation": "**@return** The IDs and instance type that are currently running on the Dedicated Host.

"getterMethodName": "getInstances",
"getterModel": {
  "returnType": "java.util.List<HostInstance>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Instances",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instances",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "HostInstance",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "**\n  @param member \n  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "**\n  @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "HostInstance",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Instances",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "instances",
      "uri": false
    },
    "idempotencyToken": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "HostInstance",
  "variableName" : "member",
  "variableType" : "HostInstance",
  "documentation" : ":",
  "simpleType" : "HostInstance",
  "variableSetterType" : "HostInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@member @param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "HostInstance",
  "variableName" : "member",
  "variableType" : "HostInstance",
  "documentation" : "",
  "simpleType" : "HostInstance",
  "variableSetterType" : "HostInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "HostInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",

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{"templateType": "java.util.List<HostInstance>"},
"map": false,
"mapModel": null,
"name": "Instances",
"setterDocumentation": "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p><p>\n@param instances The IDs and instance type that are currently running on the Dedicated Host.</p>*/",
"setterMethodName": "setInstances",
"setterModel": {"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HostInstance>",
"variableName": "instances",
"variableType": "java.util.List<HostInstance>",
"documentation": "",
"simpleType": "List<HostInstance>",
"variableSetterType": "java.util.Collection<HostInstance>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p><p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setInstances(java.util.Collection)\} or \{@link #withInstances(java.util.Collection)\} if you want to override the existing values.</p><p>\n@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
"varargSetterMethodName": "withAvailableCapacity",
"variable": {"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<HostInstance>",
"variableName": "instances",
"variableType": "java.util.List<HostInstance>",
"documentation": "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>",
"simpleType": "List<HostInstance>",
"variableSetterType": "java.util.Collection<HostInstance>"
},
"xmlNameSpaceUri": null
},
"c2jName": "AvailableCapacity",
"c2jShape": "AvailableCapacity",
"deprecated": false,
"documentation": "<p>The number of new instances that can be launched onto the Dedicated Host.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of new instances that can be launched onto the Dedicated Host.</p><p>\n@returns Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withAvailableCapacity",
"getterDocumentation": "/**<p>The number of new instances that can be launched onto the Dedicated Host.</p><p>\n@returns The number of new instances that can be launched onto the Dedicated Host.</p>*/",
"getterMethodName": "getAvailableCapacity",
"getterModel": {"returnType": "AvailableCapacity",
"documentation": null
};
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailableCapacity",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availableCapacity",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableCapacity",
"setterDocumentation" : "/**<p>The number of new instances that can be launched onto the Dedicated Host.</p>*/
@param availableCapacity The number of new instances that can be launched onto the Dedicated Host.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setAvailableCapacity",
"setterModel" : {
  "variableDeclarationType" : "AvailableCapacity",
  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : "",
  "simpleType" : "AvailableCapacity",
  "variableSetterType" : "AvailableCapacity"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The number of new instances that can be launched onto the Dedicated Host.</p>*/
@param availableCapacity The number of new instances that can be launched onto the Dedicated Host.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "AvailableCapacity",
  "variableName" : "availableCapacity",
  "variableType" : "AvailableCapacity",
  "documentation" : "<p>The number of new instances that can be launched onto the Dedicated Host.</p>",
  "simpleType" : "AvailableCapacity",
  "variableSetterType" : "AvailableCapacity"
},
"xmlnsNameSpaceUri" : null
},
"membersAsMap" : {
"AutoPlacement" : {
  "c2jName" : "AutoPlacement",
  "c2jShape" : "AutoPlacement",
  "deprecated" : false,
  "documentation" : "Whether auto-placement is on or off.\n@see AutoPlacement",
  "enumType" : "AutoPlacement",
  "fluentSetterDocumentation" : "Whether auto-placement is on or off.\n@see AutoPlacement\n@return Returns a reference to this object so that method calls can be chained together.\n@see AutoPlacement*/",
  "fluentSetterMethodName" : "withAutoPlacement",
  "getterDocumentation" : "Whether auto-placement is on or off.\n@see AutoPlacement\n@return Whether auto-placement is on or off.\n@see AutoPlacement*/",
  "getterMethodName" : "getAutoPlacement",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AutoPlacement",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "autoPlacement",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AutoPlacement",
  "setterDocumentation" : "Whether auto-placement is on or off.\n@see AutoPlacement\n@see AutoPlacement*/",
  "setterMethodName" : "setAutoPlacement",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "autoPlacement",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
Whether auto-placement is on or off.

```java
public class AutoPlacement {
    private String autoPlacement;

    public String getAutoPlacement() {
        return autoPlacement;
    }

    public void setAutoPlacement(String autoPlacement) {
        this.autoPlacement = autoPlacement;
    }
}
```
AvailabilityZone:

```java
/**
 * The Availability Zone of the Dedicated Host.
 *
 * @param availabilityZone The Availability Zone of the Dedicated Host.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

simple: true,

varargSetterDocumentation: "/*\<p>The Availability Zone of the Dedicated Host.\</p>\n@\param availabilityZone The Availability Zone of the Dedicated Host.\</p>\n@return\n\nReturns a reference to this object so that method calls can be chained together.*/",

variable: {

variableDeclarationType: "String",

variableName: "availabilityZone",

variableType: "String",

documentation: "",

simpleType: "String",

variableSetterType: "String"

},

taxNameSpaceUri: null,

AvailableCapacity: {

c2jName: "AvailableCapacity",

c2jShape: "AvailableCapacity",

deprecated: false,

documentation: "<p>The number of new instances that can be launched onto the Dedicated Host.</p>",

enumType: null,

fluentSetterDocumentation: "<p>The number of new instances that can be launched onto the Dedicated Host.</p>\n@\param availableCapacity The number of new instances that can be launched onto the Dedicated Host.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

fluentSetterMethodName: "withAvailableCapacity",

getterDocumentation: "<p>The number of new instances that can be launched onto the Dedicated Host.</p>\n@\param availableCapacity The number of new instances that can be launched onto the Dedicated Host.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

getterMethodName: "getAvailableCapacity",

getterModel: {

returnType: "AvailableCapacity",

documentation: null
}
}
}
null, "additionalUnmarshallingPath" : null, "flattened" : false, "greedy" : false, "header" : false, "isPayload" : false, "isStreaming" : false, "location" : null, "marshallLocationName" : "AvailableCapacity", "queryString" : false, "statusCode" : false, "unmarshallLocationName" : "availableCapacity", "uri" : false }, "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "AvailableCapacity", "setterDocumentation" : "/**<p>The number of new instances that can be launched onto the Dedicated Host.<p>@param availableCapacity The number of new instances that can be launched onto the Dedicated Host.</p>*/", "setterMethodName" : "setAvailableCapacity", "setterModel" : { "variableDeclarationType" : "AvailableCapacity", "variableName" : "availableCapacity", "variableType" : "AvailableCapacity", "documentation" : "", "simpleType" : "AvailableCapacity", "variableSetterType" : "AvailableCapacity" }, "simple" : false, "varargSetterDocumentation" : "/**<p>The number of new instances that can be launched onto the Dedicated Host.<p>@param availableCapacity The number of new instances that can be launched onto the Dedicated Host.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/", "variable" : { "variableDeclarationType" : "AvailableCapacity", "variableName" : "availableCapacity", "variableType" : "AvailableCapacity", "documentation" : "<p>The number of new instances that can be launched onto the Dedicated Host.</p>", "simpleType" : "AvailableCapacity", "variableSetterType" : "AvailableCapacity" }, "xmlnsNameSpaceUri" : null }, "ClientToken" : { "c2jName" : "ClientToken", "idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false, "mapModel" : null, "name" : "ClientToken", "setterDocumentation" : "/**<p>This is a unique token for an operation that is used to ensure idempotency. If a request is received with an idempotency token that is already in use, the request is "idempotent" and will be processed as if it were the first time the request was sent. The idempotency token is included in the response, so that the calling service can use it to determine if the request needs to be redone or can simply be ignored. Here is a typical usage scenario: A service offers a long-running operation, such as creating a database. The service returns an idempotency token for the operation. The client application stores the token in a database or other storage system, and then sends the token to the service each time the operation is requested. If the token is already in use, the service will not create a new instance of the database, but will return the existing one. The client application polls the service to check the status of the operation, and waits for it to complete. If the operation is already in progress, the client application will poll again, and the process will continue until the operation is complete.</p>*/", "setterMethodName" : "setClientToken", "setterModel" : { "variableDeclarationType" : "ClientToken", "variableName" : "ClientToken", "variableType" : "ClientToken", "documentation" : "", "simpleType" : "ClientToken", "variableSetterType" : "ClientToken" }, "simple" : false, "varargSetterDocumentation" : "/**<p>This is a unique token for an operation that is used to ensure idempotency. If a request is received with an idempotency token that is already in use, the request is "idempotent" and will be processed as if it were the first time the request was sent. The idempotency token is included in the response, so that the calling service can use it to determine if the request needs to be redone or can simply be ignored. Here is a typical usage scenario: A service offers a long-running operation, such as creating a database. The service returns an idempotency token for the operation. The client application stores the token in a database or other storage system, and then sends the token to the service each time the operation is requested. If the token is already in use, the service will not create a new instance of the database, but will return the existing one. The client application polls the service to check the status of the operation, and waits for it to complete. If the operation is already in progress, the client application will poll again, and the process will continue until the operation is complete.</p>*/", "variable" : { "variableDeclarationType" : "ClientToken", "variableName" : "ClientToken", "variableType" : "ClientToken", "documentation" : "", "simpleType" : "ClientToken", "variableSetterType" : "ClientToken" }, "xmlnsNameSpaceUri" : null }}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>
@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"HostId" : {
  "c2jName" : "HostId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Dedicated Host.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
<p>The ID of the Dedicated Host.</p>\n
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withHostId",
}
"getterDocumentation" : "/**\<p>The ID of the Dedicated Host.</p>\n@return The ID of the Dedicated Host.*/",
"getterMethodName" : "getHostId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostId",
"setterDocumentation" : "/**\<p>The ID of the Dedicated Host.</p>\n@param hostId The ID of the Dedicated Host.*/",
"setterMethodName" : "setHostId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "hostId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The ID of the Dedicated Host.</p>\n@param hostId The ID of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "hostId",
"variableType" : "String",
"documentation" : "<p>The ID of the Dedicated Host.</p>",
"simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"HostProperties" : {
 "c2jName" : "HostProperties",
 "c2jShape" : "HostProperties",
 "deprecated" : false,
 "documentation" : "<p>The hardware specifications of the Dedicated Host.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/*\n* The hardware specifications of the Dedicated Host.\n*/\n@param hostProperties The hardware specifications of the Dedicated Host.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withHostProperties",
 "getterDocumentation" : "/*\n* The hardware specifications of the Dedicated Host.\n*/\n@return The hardware specifications of the Dedicated Host.*/",
 "getterMethodName" : "getHostProperties",
 "getterModel" : {
 "returnType" : "HostProperties",
 "documentation" : null,
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "HostProperties",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "hostProperties",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "HostProperties",
 "setterDocumentation" : "/*\n* The hardware specifications of the Dedicated Host.\n*/\n@param hostProperties The hardware specifications of the Dedicated Host.*/",
 "setterMethodName" : "setHostProperties",
 "setterModel" : {
 "variableDeclarationType" : "HostProperties",
 "variableName" : "hostProperties"}
"variableType" : "HostProperties",
"documentation" : "",
"simpleType" : "HostProperties",
"variableSetterType" : "HostProperties"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The hardware specifications of the Dedicated Host.
 */
@Param
hostProperties The hardware specifications of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "HostProperties",
"variableName" : "hostProperties",
"variableType" : "HostProperties",
"documentation" : "<p>The hardware specifications of the Dedicated Host.</p>
@param hostProperties The hardware specifications of the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri" : null
},
"HostReservationId" : {
"c2jName" : "HostReservationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
 */
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withHostReservationId",
"getterDocumentation" : "/**
 * The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
 */
@return The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
"getterMethodName" : "getHostReservationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostReservationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostReservationId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.*/",
"setterMethodName" : "setHostReservationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>
@param hostReservationId The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "<p>The reservation ID of the Dedicated Host. This returns a <code>null</code> response if the Dedicated Host doesn't have an associated reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Instances" : {
  "c2jName" : "Instances",
  "c2jShape" : "HostInstanceList",
  "deprecated" : false,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "HostInstance",
  "variableName": "member",
  "variableType": "HostInstance",
  "documentation": "",
  "simpleType": "HostInstance",
  "variableSetterType": "HostInstance"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "HostInstance",
  "variableName": "member",
  "variableType": "HostInstance",
  "documentation": "",
  "simpleType": "HostInstance",
  "variableSetterType": "HostInstance"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "HostInstance",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "HostInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
"templateType" : "java.util.List<HostInstance>",
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>The IDs and instance type that are currently running on the Dedicated Host.</p>
@param instances The IDs and instance type that are currently running on the Dedicated Host.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<HostInstance>",
  "documentation" : "",
  "simpleType" : "List<HostInstance>",
  "variableSetterType" : "java.util.Collection<HostInstance>",
  "map" : false,
  "mapModel" : null,
  "name" : "Instances",
  "setterDocumentation" : "/**\n * The IDs and instance type that are currently running on the Dedicated Host.
 * \n * @param instances The IDs and instance type that are currently running on the Dedicated Host.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
    "variableName" : "instances",
    "variableType" : "java.util.List<HostInstance>",
    "documentation" : "The IDs and instance type that are currently running on the Dedicated Host.",
    "simpleType" : "List<HostInstance>",
    "variableSetterType" : "java.util.Collection<HostInstance>",
    "xmlNameSpaceUri" : null,
  },
  "State" : {
    "c2jName" : "State",
    "c2jShape" : "AllocationState",
    "deprecated" : false,
    "documentation" : "<p>The Dedicated Host's state.</p>
    @see AllocationState",
    "fluentSetterMethodName" : "withState",
    "fluentSetterDocumentation" : "/**\n     * The Dedicated Host's state.
     * @param state The Dedicated Host's state.
     * @return Returns a reference to this object so that method calls can be chained together.
     */",
    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<HostInstance>",
      "variableName" : "instances",
      "variableType" : "java.util.List<HostInstance>",
      "documentation" : "The Dedicated Host's state.",
      "simpleType" : "List<HostInstance>",
      "variableSetterType" : "java.util.Collection<HostInstance>",
      "xmlNameSpaceUri" : null,
    }
  }
}
"getterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@return The Dedicated Host's state.
@see AllocationState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@see AllocationState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Dedicated Host's state.</p>
@param state The Dedicated Host's state.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The Dedicated Host's state.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "Host",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "Host",
"variableName": "host",
"variableType": "Host",
"documentation": null,
"simpleType": "Host",
"variableSetterType": "Host"
},
"wrapper": false
},
"HostInstance": {
"c2jName": "HostInstance",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an instance running on a Dedicated Host.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>the IDs of instances that are running on the Dedicated Host.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>the IDs of instances that are running on the Dedicated
Host.

@returns

Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**\n * the IDs of instances that are running on the Dedicated Host.
 */

ID of instances that are running on the Dedicated Host.

"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**\n * the IDs of instances that are running on the Dedicated Host.
 */

ID of instances that are running on the Dedicated Host.

"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * the IDs of instances that are running on the Dedicated Host.
 */

ID of instances that are running on the Dedicated Host.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>the IDs of instances that are running on the Dedicated Host.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>\n@param instanceType The instance type size (for example, <code>m3.medium</code>) of the running instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>\n@return The instance type size (for example, <code>m3.medium</code>) of the running instance.*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
running instance.

@param instanceType The instance type size (for example, `<code>m3.medium</code>`) of the running instance.*"*/;

"setterMethodName" : "setInstanceType",
"setterModel" : {
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  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>\n@param instanceType The instance type size (for example, `<code>m3.medium</code>`) of the running instance.
@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>
  
  @return Returns a reference to this object so that method calls can be chained together.*/
},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "InstanceId" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>the IDs of instances that are running on the Dedicated Host.</p>
  
  @return Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>the IDs of instances that are running on the Dedicated Host.</p>
   
   @param instanceId the IDs of instances that are running on the Dedicated Host.
   @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>the IDs of instances that are running on the Dedicated Host.</p>
   
   @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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    "http" : {
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"map" : false,
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"name" : "InstanceId",
"setterDocumentation" : "/**<p>the IDs of instances that are running on the Dedicated Host.</p>
@param instanceId the IDs of instances that are running on the Dedicated Host.*"/
,  
"setterMethodName" : "setInstanceId",
"setterModel" : {

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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,

"varargSetterDocumentation" : "/**<p>the IDs of instances that are running on the Dedicated Host.</p>
@param instanceId the IDs of instances that are running on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*"/
,  
"variable" : {

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"variableType" : "String",
"documentation" : "<p>the IDs of instances that are running on the Dedicated Host.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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},
"InstanceType" : {

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"documentation" : "<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>*/
@param instanceType The instance type size (for example, `<code>m3.medium</code>`) of the running instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>
@return The instance type size (for example, `<code>m3.medium</code>`) of the running instance.*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
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"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>
@param instanceType The instance type size (for example, `<code>m3.medium</code>`) of the running instance.
*/",
"setterMethodName" : "setInstanceType",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type size (for example, `<code>m3.medium</code>`) of the running instance.</p>
@param instanceType The instance type size (for example, `<code>m3.medium</code>`) of the running instance.
*/"
the running instance.

@returns Returns a reference to this object so that method calls can be chained together.

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    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "The instance type size (for example, <code>m3.medium</code>) of the running instance.


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"marshaller": null,
"members": [
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    "c2jName": "OfferingId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the offering.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withOfferingId",
    "getterDocumentation": "/**<p>The ID of the offering.</p>
@return The ID of the offering.*/",
    "getterMethodName": "getOfferingId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
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      "isStreaming": false,
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      "queryString": false,
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      "unmarshallLocationName": "offeringId",
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    "listModel": null,
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    "mapModel": null,
    "name": "OfferingId",
    "setterDocumentation": "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName": "setOfferingId",
    "setterModel": {
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      "variableName": "offeringId",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
"varargSetterDocumentation" : "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "offeringId",
"variableType" : "String",
"documentation" : ":<p>The ID of the offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "InstanceFamily",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance family of the offering.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance family of the offering.</p>
@param instanceFamily The instance family of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceFamily",
"getterDocumentation" : "/**<p>The instance family of the offering.</p>
@return The instance family of the offering.*/",
"getterMethodName" : "getInstanceFamily",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceFamily",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "InstanceFamily",
"setterDocumentation" : "/**<p>The instance family of the offering.</p>
@param instanceFamily The instance family of the offering. */",
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  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together. */",
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  "documentation" : "<p>The instance family of the offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "PaymentOption",
  "deprecated" : false,
  "documentation" : 
"The available payment option.
@see PaymentOption"
",  
"fluentSetterDocumentation" : "/**<p>The available payment option.</p>
@param paymentOption The available payment option.
@return Returns a reference to this object so that method calls can be chained together.
@see PaymentOption*/",
"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**<p>The available payment option.</p>
@return The available payment option.
@see PaymentOption*/",
"getterMethodName" : "getPaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "PaymentOption",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "paymentOption",
"uri" : false}
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
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@param paymentOption The available payment option.\n@see PaymentOption*/",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
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  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The available payment option.</p>
@param paymentOption The available payment option.\n@return Returns a reference to this object so that method calls can be chained together.\n@see PaymentOption*/",
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  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>The available payment option.</p>",
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  "variableSetterType" : "String"
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 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>
@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.\n@return Returns a reference to this object so that method calls can be chained together.*/"
"getUpfrontPrice": {"returnType":"String","documentation":null},
"http": {
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.additionalUnmarshallingPath":null,
"flattened":false,
"greedy":false,
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"isStreaming":false,
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"statusCode":false,
"unmarshallLocationName":"upfrontPrice",
"uri":false
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"idempotencyToken":false,
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name":"UpfrontPrice",
"setterDocumentation":/\**\p>The upfront price of the offering. Does not apply to No Upfront offerings.\n@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.*/",
"setterMethodName":"setUpfrontPrice",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"upfrontPrice",
"variableType":"String",
"documentation":"",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":/\**\p>The upfront price of the offering. Does not apply to No Upfront offerings.\n@param upfrontPrice The upfront price of the offering. Does not apply to No Upfront offerings.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable":{
"variableDeclarationType":"String",
"variableName":"upfrontPrice",
"variableType":"String"}
"documentation": "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
"simpleType": "String",
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"xmlNameSpaceUri": null,
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The hourly price of the offering.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The hourly price of the offering.</p>
@param hourlyPrice The hourly price of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withHourlyPrice",
"getterDocumentation": "/**<p>The hourly price of the offering.</p>
@return The hourly price of the offering.*/",
"getterMethodName": "getHourlyPrice",
"getterModel": {
"returnType": "String",
"documentation": null
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "hourlyPrice",
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "HourlyPrice",
"setterDocumentation": "/**<p>The hourly price of the offering.</p>
@param hourlyPrice The hourly price of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setHourlyPrice",
"setterModel": {
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"variableName": "hourlyPrice"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price of the offering.</p>
@param hourlyPrice The hourly price of the offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The hourly price of the offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsSpaceUri" : null
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"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency of the offering.</p>",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency of the offering.</p>
@param currencyCode The currency of the offering.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency of the offering.</p>
@return The currency of the offering.
@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CurrencyCode",
"setterDocumentation": "/**\<p>The currency of the offering.\</p>\n@param currencyCode The currency of the offering.\n@see CurrencyCodeValues*/",
"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>The currency of the offering.\</p>\n@param currencyCode The currency of the offering.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"variable": {
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  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "<p>The currency of the offering.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Duration",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The duration of the offering (in seconds).</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\<p>The duration of the offering (in seconds).</p>\n@param duration The duration of the offering (in seconds).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDuration",
"getterDocumentation": "/**\<p>The duration of the offering (in seconds).</p>\n@return The duration of the offering (in seconds).*/",
"getterMethodName": "getDuration",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
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  "list": false,  
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  "map": false,  
  "mapModel": null,  
  "name": "Duration",  
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@param duration The duration of the offering (in seconds).*/",  
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  "setterModel": {  
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    "variableName": "duration",  
    "variableType": "Integer",  
    "documentation": "",  
    "simpleType": "Integer",  
    "variableSetterType": "Integer"  
  },  
  "simple": true,  
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@param duration The duration of the offering (in seconds).
@return Returns a reference to this object so that method calls can be chained together.*/",  
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    "variableType": "Integer",  
    "documentation": "<p>The duration of the offering (in seconds).</p>
",  
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    "variableSetterType": "Integer"  
  },  
  "xmlnsNameSpaceUri": null  
}  
}],  
"membersAsMap": {  
  "CurrencyCode": {  

"c2jName": "CurrencyCode",
"c2jShape": "CurrencyCodeValues",
"deprecated": false,
"documentation": "The currency of the offering.",
"enumType": "CurrencyCodeValues",
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@param currencyCode The currency of the offering.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
"fluentSetterMethodName": "withCurrencyCode",
"getterDocumentation": "The currency of the offering.
@return The currency of the offering.
@see CurrencyCodeValues*/",
"getterMethodName": "getCurrencyCode",
"getterModel": {
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "currencyCode",
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"name": "CurrencyCode",
"setterDocumentation": "The currency of the offering.
@param currencyCode The currency of the offering.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"varargSetterDocumentation" : "<p>The currency of the offering.</p>
@param currencyCode The currency of the offering.
@return Returns a reference to this object so that method calls can be chained together.
@see CurrencyCodeValues*/",
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@return Returns a reference to this object so that method calls can be chained
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@return The available payment option
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@returns The upfront price of the offering.
@see UpfrontPrice*/"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"list" : false,
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"name" : "InstanceType",
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@param instanceType The instance type size that the Dedicated Host supports (for example, "m3.medium")
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "The number of cores on the Dedicated Host.
"enumType" : null,
"fluentSetterDocumentation" : "The number of cores on the Dedicated Host.
"getterDocumentation" : "The number of cores on the Dedicated Host.
"getterMethodName" : "getCores",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"http" : {
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"statusCode" : false,
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"uri" : false
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"name" : "Cores",
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"setterMethodName" : "setCores",
"setterModel" : {
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  "variableName" : "cores",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
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@param cores The number of cores on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).</p>

"fluentSetterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>). The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).<br>
@<br>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>). The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).<br>
@<br>
@return The instance type size that the Dedicated Host supports (for example, <code>m3.medium</code>).*/",
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  "documentation" : null
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  "greedy" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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chained together.*/",
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  "variableSetterType" : "String"
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"Sockets" : {
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The number of sockets on the Dedicated Host."
}
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"fluentSetterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
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The number of sockets on the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@return The number of sockets on the Dedicated Host.*/",
"getterMethodName" : "getSockets",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
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 "greedy" : false,
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 "isPayload" : false,
 "isStreaming" : false,
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 "unmarshallLocationName" : "sockets",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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 "documentation" : "",
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 "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>The number of sockets on the Dedicated Host.</p>
@param sockets
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@return Returns a reference to this object so that method calls can be chained together.*/"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "simpleType": "HostProperties",
   "variableSetterType": "HostProperties"
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"wrapper": false
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@ return Returns a reference to this object so that method calls can be chained together.
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@ return The ID of the reservation that specifies the associated Dedicated Hosts.
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"returnType" : "String",
"documentation" : null
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"isStreaming" : false,
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"uri" : false
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  "documentation" : "",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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"xmlnsSpaceUri" : null
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"c2jName" : "HostIdSet",
"c2jShape" : "ResponseHostIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts associated with the reservation.</p>\n@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostIdSet",
"getterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts associated with the reservation.</p>\n@return The IDs of the Dedicated Hosts associated with the reservation.*/",
"getterMethodName" : "getHostIdSet",
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"uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "String",
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    "enumType" : null,
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method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return *
*/",
    "getterMethodType" : "getMember",
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      "documentation" : null
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      "greedy" : false,
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      "unmarshallLocationName" : "item",
      "uri" : false
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"mapModel" : null,
"name" : "Member",
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@param member */",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
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"map" : false,
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"setterDocumentation" : "/*
The IDs of the Dedicated Hosts associated with the reservation.

@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.

**/",
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  "variableName" : "hostIdSet"}
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"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
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"simple" : false,
"varargSetterDocumentation" : "/**\p> The IDs of the Dedicated Hosts associated with the
reservation.</p>\n\b> NOTE:\b> This method appends the values to the existing list (if any). Use [@link
#setHostIdSet(java.util.Collection)] or [@link #withHostIdSet(java.util.Collection)] if you want to override the
existing values.</p>\n@\param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.\n@\return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "java.util.List<String>",
"documentation" : "\p> The IDs of the Dedicated Hosts associated with the reservation.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p> The ID of the reservation. This remains the same regardless of which Dedicated Hosts
are associated with it.</p>",
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are associated with it.</p>\n@\param offeringId The ID of the reservation. This remains the same
regardless of which Dedicated Hosts are associated with it.\n@\return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**\p> The ID of the reservation. This remains the same regardless of which Dedicated Hosts
are associated with it.</p>\n@\return
The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n@\param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n@\return
The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.*/",
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"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>@param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
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  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "InstanceFamily",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
"enumType" : null,
"fluientSetterDocumentation" : "/**<p>The instance family of the Dedicated Host Reservation. The instance
family on the Dedicated Host must be the same in order for it to benefit from the reservation.

```java
@param

The component of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.

@return

A reference to this object so that method calls can be chained together.

```
"simple" : true,

"varargSetterDocumentation" : "/**<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>\n@param
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"deprecated" : false,
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@param
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"fluentSetterDocumentation" : "/**<p>The payment option selected for this reservation.</p>
@param
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"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**<p>The payment option selected for this reservation.</p>
@return The payment option selected for this reservation.</p>\n@see PaymentOption*/",

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"getterModel" : {
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    "uri" : false
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@n@return Returns a reference to this object so that method calls can be chained together.
@n@see PaymentOption*/",
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  "variableType": "String",
  "documentation": "<p>The payment option selected for this reservation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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@n@return Returns a reference to this object so that method calls can be chained together.
@n@see HourlyPrice*/",
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@param hourlyPrice The hourly
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@return Returns a reference to this object so that method calls can be chained
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@param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. */
@see CurrencyCodeValues*/",
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    "documentation": "",
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    "variableSetterType": "String"
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@param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. */
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@param count The number of Dedicated Hosts the reservation is associated with. */
@see CurrencyCodeValues*/"
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@return The number of Dedicated Hosts the reservation is associated with.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param start The date and time that the reservation started.*/"
date and time that the reservation started.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time that the reservation started.
 */

public java.util.Date getStart()

@param start The date and time that the reservation started.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time that the reservation started.
 */

public void setStart(java.util.Date start)

/**
 * The date and time that the reservation started.
 */

public java.util.Date getStart()

param start The date and time that the reservation started.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time that the reservation started.
 */

public void setStart(java.util.Date start)

/**
 * The date and time that the reservation started.
 */

public java.util.Date getStart()

param start The date and time that the reservation started.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time that the reservation started.
 */

public void setStart(java.util.Date start)

/**
 * The date and time that the reservation started.
 */

public java.util.Date getStart()

param start The date and time that the reservation started.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The date and time that the reservation started.
 */

public void setStart(java.util.Date start)
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      "fluentSetterDocumentation" : "/**\n   \n   @param count The number of Dedicated Hosts the reservation is associated with.\n   \n   @return Returns a reference to this object so that method calls can be chained together.\n   @see ReservationState*/",
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      "getterDocumentation" : "/**\n   \n   @return The number of Dedicated Hosts the reservation is associated with.\n   @see ReservationState*/",
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@<param count The number of Dedicated Hosts the reservation is associated with.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "deprecated" : false,
  "documentation" : "<p>The currency in which the <code>upfrontPrice</code> and<br/> <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
  "enumType" : "CurrencyCodeValues",
  "fluentSetterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and<br/> <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is
"
<code>USD</code>.<p>@param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see CurrencyCodeValues*/

    "fluentSetterMethodName" : "withCurrencyCode",
    "getterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
    @return The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@see CurrencyCodeValues*/",
    "getterMethodName" : "getCurrencyCode",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CurrencyCode",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "currencyCode",
        "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CurrencyCode",
    "setterDocumentation" : "/**<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
    @param currencyCode The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.<p>@see CurrencyCodeValues*/",
    "setterMethodName" : "setCurrencyCode",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "currencyCode",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String","
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "**\nThe currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n**",
"simple" : true,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
"c2jName" : "Duration",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.",
"enumType" : null,
"fluentSetterDocumentation" : "**\nThe length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.\n**",
"enumType" : null,
"fluentSetterMethodName" : "withDuration",
"getterDocumentation" : "**\nThe length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.\n**",
"getterMethodName" : "getDuration",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "duration",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@param duration The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@param duration The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"End" : {
  "c2jName" : "End",
  "c2jShape" : "DateTime",
  "deprecated" : false,
"documentation": " The date and time that the reservation ends.\p",
"enumType": null,
"fluentSetterDocumentation": /**\p>The date and time that the reservation ends.\p>\n@param end The date and time that the reservation ends.\n@return Returns a reference to this object so that method calls can be chained together. */
",
"fluentSetterMethodName": "withEnd",
"getterDocumentation": /**\p>The date and time that the reservation ends.\p>\n@return The date and time that the reservation ends. */
",
"getterMethodName": "getEnd",
"getterModel": {
  "returnType": "java.util.Date",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": false,
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"list": false,
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"map": false,
"mapModel": null,
"name": "End",
"setterDocumentation": /**\p>The date and time that the reservation ends.\p>\n@param end The date and time that the reservation ends.\n@return Returns a reference to this object so that method calls can be chained together. */
",
"setterMethodName": "setEnd",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "end",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": /**\p>The date and time that the reservation ends.\p>\n@param end The date and time that the reservation ends.\n@return Returns a reference to this object so that method calls can be
chained together.*"},
  "variable" : {
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    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time that the reservation ends.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
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"HostIdSet" : {
  "c2jName" : "HostIdSet",
  "c2jShape" : "ResponseHostIdSet",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
  @return The IDs of the Dedicated Hosts associated with the reservation.</p>
  \n  @return The IDs of the Dedicated Hosts associated with the reservation.*"},
  "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
  @return The IDs of the Dedicated Hosts associated with the reservation.*"},
  "getterMethodName" : "getHostIdSet",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
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    "interfaceType" : "java.util.List"}
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**\n@return \n*/",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**\n@param member \n@return\n*/",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that"
method calls can be chained together.*"/
        "variable" : {
            "variableDeclarationType" : "String",
            "variableName" : "member",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "xmlNameSpaceUri" : null
    },
    "memberLocationName" : "item",
    "memberType" : "String",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : true,
    "simpleType" : "String",
    "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
    "templateType" : "java.util.List<String>
    
},
    "map" : false,
    "mapModel" : null,
    "name" : "HostIdSet",
    "setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
    @param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.*"/
        "setterMethodName" : "setHostIdSet",
        "setterModel" : {
            "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
            "variableName" : "hostIdSet",
            "variableType" : "java.util.List<String>",
            "documentation" : "",
            "simpleType" : "List<String>",
            "variableSetterType" : "java.util.Collection<String>
    
},
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
    <b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
    #setHostIdSet(java.util.Collection)] or [@link #withHostIdSet(java.util.Collection)] if you want to override the
    existing values.*/
    @return Returns a reference to this object so that method calls can be chained together.*"/
        "variable" : {
            "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
            "variableName" : "hostIdSet",
            "variableType" : "java.util.List<String>",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
    
"
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>`
),
"xmlNameSpaceUri" : null
},
"HostReservationId" : {
"c2jName" : "HostReservationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the reservation that specifies the associated Dedicated Hosts.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;The ID of the reservation that specifies the associated Dedicated Hosts.&lt;/p&gt;\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostReservationId",
"getterDocumentation" : "/*&lt;p&gt;The ID of the reservation that specifies the associated Dedicated Hosts.&lt;/p&gt;\n@\return The ID of the reservation that specifies the associated Dedicated Hosts.*/",
"getterMethodName" : "getHostReservationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostReservationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostReservationId",
"setterDocumentation" : "/*&lt;p&gt;The ID of the reservation that specifies the associated Dedicated Hosts.&lt;/p&gt;\n@\param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.*/",
"setterMethodName" : "setHostReservationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableSetterType" : "java.util.Collection<String>`
},
"xmlNameSpaceUri" : null
},
"variableName" : "hostReservationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
@param hostReservationId The ID of the reservation that specifies the associated Dedicated Hosts.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "hostReservationId",
"variableType" : "String",
"documentation" : <p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"HourlyPrice" : {
"c2jName" : "HourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The hourly price of the reservation.</p>
"fluentSetterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@param hourlyPrice The hourly price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" : "/**<p>The hourly price of the reservation.</p>
@return The hourly price of the reservation.*/",
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**\n@param hourlyPrice The hourly price of the reservation.<p></p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
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  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param hourlyPrice The hourly price of the reservation.<p></p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "The hourly price of the reservation."
},
"xmlNameSpaceUri" : null
},
"InstanceFamily" : {
  "c2jName" : "InstanceFamily",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation."
},
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param instanceFamily The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.<p></p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInstanceFamily",
**getterDocumentation** : "/*\*\*<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\*/
\*\n\*\*\*/",

`getterMethodName` : "getInstanceFamily",

`getterModel` : {
    "returnType" : "String",
    "documentation" : null
},

`http` : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "InstanceFamily",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceFamily",
    "uri" : false
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`idempotencyToken` : false,

`list` : false,

`listModel` : null,

`map` : false,

`mapModel` : null,

`name` : "InstanceFamily",

`setterDocumentation` : "/*\*\*<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\*/
\*\n\*\*\*/",

`setterMethodName` : "setInstanceFamily",

`setterModel` : {
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    "variableName" : "instanceFamily",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

`simple` : true,

`varargSetterDocumentation` : "/*\*\*<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\*/
\*\n\*\*\*/"
method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "<p>The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingId" : {
  "c2jName" : "OfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>
  @param offeringId The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
  @return Returns a reference to this object so that method calls can be chained together.</p>",
  "fluentSetterMethodName" : "withOfferingId",
  "getterDocumentation" : "/**<p>The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.</p>
  @return The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.
  */",
  "getterMethodName" : "getOfferingId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringId",
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  "isIdempotent" : false
};
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"http" : {
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  "greedy" : false,
  "header" : false,
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  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "paymentOption",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
"setterDocumentation" : "/**<p>The payment option selected for this reservation.</p>
@param paymentOption The payment option selected for this reservation.<br>@see PaymentOption*/",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The payment option selected for this reservation.</p>
@param paymentOption The payment option selected for this reservation.<br>@return Returns a reference to this object so that method calls can be chained together.<br>@see PaymentOption*/",
"variable" : {
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  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>The payment option selected for this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"Start" : {
  "c2jName" : "Start",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date and time that the reservation started.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date and time that the reservation started.</p>@param start The date and time that the reservation started.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withStart",
  "getterDocumentation" : "/**<p>The date and time that the reservation started.</p>@return The date and time that the reservation started.</p>*/",
  "getterMethodName" : "getStart",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "start",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Start",
  "setterDocumentation" : "/**<p>The date and time that the reservation started.</p>@param start The date and time that the reservation started.</p>*/",
  "setterMethodName" : "setStart",
  "setterModel" : {
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@param state The state of the reservation.
@see ReservationState*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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@param state The state of the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservationState*/",
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@see ReservationState*/",
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  "getterModel": {
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    "documentation": null
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  "variableType" : "String",
  "documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "HostTenancy"
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  }, {
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    "value" : "xen"
  } ],
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  "hasStreamingMember" : false,
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    "variableSetterType" : "HypervisorType"
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"enumType" : null,
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@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
@return The Amazon Resource Name (ARN) of the instance profile.
*/",
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"getterModel" : {
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"documentation" : null
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"map" : false,
"mapModel" : null,
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@param arn
The Amazon Resource Name (ARN) of the instance profile.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param arn
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType" : null,
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The ID of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withId",
  "getterDocumentation" : "/**<p>The ID of the instance profile.</p>
@return The ID of the instance profile.*/"
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  "documentation" : null
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "id",
  "uri" : false
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@param id The ID of the instance profile.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param id The ID of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the instance profile.*/",
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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      "getterDocumentation" : "/**<p>The ID of the association.</p>
\n@return The ID of the association.*/",
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@param associationId The ID of the association.
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param associationId The ID of the association.
@return Returns a reference to this object so that method calls can be chained together.
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",
"enumType" : null,
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.
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@return The ID of the instance.
*/",
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  "documentation" : null
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"statusCode": false,
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@param instanceId The ID of the instance.*/",
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  "variableSetterType": "String"
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
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  "c2jShape": "IamInstanceProfile",
  "deprecated": false,
  "documentation": "<p>The IAM instance profile.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**
<p>The IAM instance profile.</p>
@param iamInstanceId The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "name": "InstanceId",  
  "setterDocumentation": "/**
<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",  
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"fluentSetterMethodName": "withIamInstanceProfile",
"getterDocumentation": "/**<p>The IAM instance profile.</p>
\n@return The IAM instance profile.*/",
"getterMethodName": "getIamInstanceProfile",
"getterModel": {
  "returnType": "IamInstanceProfile",
  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>The IAM instance profile.</p>
\n@param iamInstanceProfile The IAM instance profile.*/",
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  "variableName": "iamInstanceProfile",
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  "documentation": "",
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  "variableSetterType": "IamInstanceProfile"
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\n@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "IamInstanceProfile",
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"enumType" : "IamInstanceProfileAssociationState",
"fluentSetterDocumentation" : "/**<p>The state of the association.</p>@param state The state of the association.
@return Returns a reference to this object so that method calls can be chained together.
@see IamInstanceProfileAssociationState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the association.</p>@return The state of the association.
@see IamInstanceProfileAssociationState*/",
"getterMethodName" : "getState",
"getterModel" : {
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"documentation" : null
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"statusCode" : false,
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"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the association.</p>@param state The state of the association.
@return Returns a reference to this object so that method calls can be chained together.
@see IamInstanceProfileAssociationState*/",
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"setterModel" : {
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"variableName" : "state",
"variableType" : "String",
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"documentation" : ",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The state of the association.</p>
@param state The state of the association.
@return Returns a reference to this object so that method calls can be chained together.
@see IamInstanceProfileAssociationState*/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the association.*/",
    "fluentSetterMethodName": "withAssociationId",
    "getterDocumentation": "/**<p>The ID of the association.</p>
@return The ID of the association.*/",
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  "variableSetterType" : "String"
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  "simpleType" : "String",
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  "documentation": null
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.
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"deprecated" : false,
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"enumType" : "IamInstanceProfileAssociationState",
"fluentSetterDocumentation" : "/**<p>The state of the association.</p>
@param state The state of the association.
@return Returns a reference to this object so that method calls can be chained together.
@see IamInstanceProfileAssociationState*/",
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@return The state of the association.
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  "errorCode" : null,
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  "hasPayloadMember" : false,
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    "enumType" : null,
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@returns A reference to this object so that method calls can be chained together.\*/",
  },
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"getterDocumentation" : "/**<p>The Amazon Resource Name (ARN) of the instance profile.</p>
@return The Amazon Resource Name (ARN) of the instance profile.*/",
"getterMethodName" : "getArn",
"getterModel" : {
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
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"map" : false,
"mapModel" : null,
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@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "",
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    "variableSetterType" : "String"
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@param arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param name The name of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>The name of the instance profile.</p>
@return The name of the instance profile.*/",
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"getterModel" : {
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"statusCode" : false,
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@param name The name of the instance profile.*/",
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"variableSetterType" : "String"
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"getterDocumentation" : "/**\n*\n@returns The Amazon Resource Name (ARN) of the instance profile.\n*\n*\n@returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getArn",
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"documentation" : null
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"isStreaming" : false,
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@param
@arn The Amazon Resource Name (ARN) of the instance profile.*/",
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"setterModel" : {
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@param
@arn The Amazon Resource Name (ARN) of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@name The name of the instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The name of the instance profile.*/",
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  },
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    "variableSetterType" : "String"
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  "varargSetterDocumentation" : "/**\n * The name of the instance profile.
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 @return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType": "IamInstanceProfileSpecification"
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    "skipGeneratingUnmarshaller": true
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    "documentation": "<p>The ICMP type. A value of -1 means all types.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ICMP type. A value of -1 means all types.</p>\n@returns A reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withType",
    "getterDocumentation": "/**<p>The ICMP type. A value of -1 means all types.</p>\n@returns The ICMP type. A value of -1 means all types.*\*/",
    "getterMethodName": "getType"}
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "type",
  "uri" : false
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"list" : false,
"listModel" : null,
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"name" : "Type",
"setterDocumentation" : "/**<p>The ICMP type. A value of -1 means all types.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setType",
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  "variableType" : "Integer",
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  "variableSetterType" : "Integer"
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@n@return Returns a reference to this object so that method calls can be chained together.*/",
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@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
@return The ICMP code. A value of -1 means all codes for the specified ICMP type.*/",
"getterMethodName" : "getCode",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"list" : false,
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"map" : false,
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"name" : "Code",
"setterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>
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"variableName" : "code",
"variableType" : "Integer",
"documentation" : "",
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"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* @param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Integer",
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* @param code The ICMP code. A value of -1 means all codes for the specified ICMP type.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@return The ICMP code. A value of -1 means all codes for the specified ICMP type.\n\n@see \n*\n\n@return The ICMP code. A value of -1 means all codes for the specified ICMP type.*/",
"getterMethodName" : "getCode",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false}
"setterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.*///",
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"setterModel" : {
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  "variableName" : "code",
  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p>@param code The ICMP code. A value of -1 means all codes for the specified ICMP type.
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  "documentation" : <p>The ICMP code. A value of -1 means all codes for the specified ICMP type.</p",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "c2jShape" : "Integer",
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  "documentation" : "<p>The ICMP type. A value of -1 means all types.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ICMP type. A value of -1 means all types.</p>@param type The ICMP type. A value of -1 means all types.
@return Returns a reference to this object so that method calls can be chained together.*///",
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  "getterDocumentation" : "/**<p>The ICMP type. A value of -1 means all types.</p>@return The ICMP type. A value of -1 means all types.*///",
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "type",
    "uri" : false
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"unmarshaller" : {
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"wrapper" : false
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  "enums" : null,
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     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>The type of resource.</p>
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      "fluentSetterDocumentation" : "/**<p>The type of resource.</p>
@returns {string} The type of resource.*/",
      "fluentSetterMethodName" : "withResource",
      "getterDocumentation" : "/**<p>The type of resource.</p>
@returns {string} The type of resource.*/",
      "getterMethodName" : "getResource",
      "getterModel" : {"returnType" : "string"}
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  "variableSetterType": "String"
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"varargSetterDocumentation": "/**\n@p>The type of resource.</p>\n@param resource The type of resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "Boolean"
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"documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>\n@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUseLongIds",
"getterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>\n@return Indicates whether longer IDs (17-character IDs) are enabled for the resource.*/",
"getterMethodName" : "getUseLongIds",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "UseLongIds",
  "queryString" : false,
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  "unmarshallLocationName" : "useLongIds",
  "uri" : false
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"list" : false,
"listModel" : null,
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"name" : "UseLongIds",
"setterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>\n@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUseLongIds",
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  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>\n@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>\n@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeadline",
  "getterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>
  @return The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.*/",
  "getterMethodName" : "getDeadline",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "deadline",
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"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Deadline",
"setterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>*/
@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.
*/",
"setterMethodName" : "setDeadline",
"setterModel" : {
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  "variableName" : "deadline",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>*/
@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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,"xmlNameSpaceUri" : null
} }
"membersAsMap" : {
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>*/
@param deadline The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.
*/",  
  
}
}
The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.

```java
public class Deadline {
  public Date getDeadline()
```

```java
public void setDeadline(Date deadline)
```
The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>

```java
public class Resource {
    private java.util.Date deadline;

    public java.util.Date getDeadline() {
        return deadline;
    }

    public void setDeadline(java.util.Date value) {
        this.deadline = value;
    }
}
```

The type of resource.

```java
public class Resource {
    private String resourceType;

    public String getResourceType() {
        return resourceType;
    }

    public void setResourceType(String value) {
        this.resourceType = value;
    }
}
```
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource.</p>
@param resource The type of resource.*/",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource.</p>
@param resource The type of resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The type of resource.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"UseLongIds" : {
  "c2jName" : "UseLongIds",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.
@param useLongIds Indicates whether longer IDs (17-character IDs) are enabled for the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUseLongIds",
  "getterDocumentation" : "/**<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>
",
  "getMethodName" : "useLongIds",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
**Indicates whether longer IDs (17-character IDs) are enabled for the resource.**

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.PARAMETER)
public @interface UseLongIds {
    boolean value();
    @Default("false")
    boolean defaultValue();
}
```

**Indicates whether longer IDs (17-character IDs) are enabled for the resource.**

```java
public void setUseLongIds(boolean useLongIds) {
    ...}
```

**Indicates whether longer IDs (17-character IDs) are enabled for the resource.**

```java
public boolean getUseLongIds() {
    ...}
```
"flattened": false,
"resultWrapper": null,
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"variable": {
"variableDeclarationType": "IdFormat",
"variableName": "idFormat",
"variableType": "IdFormat",
"documentation": null,
"simpleType": "IdFormat",
"variableSetterType": "IdFormat"
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"wrapper": false
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"Image": {
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"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Describes an image.",
"enums": null,
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"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
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"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the AMI.",
"enumType": null,
"fluentSetterDocumentation": "The ID of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
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"getterDocumentation": "The ID of the AMI.\n@return The ID of the AMI.\*/",
"getterMethodName": "getImageId",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "ImageLocation",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The location of the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The location of the AMI.</p>
@param imageLocation The location of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withImageLocation",
"getterDocumentation" : "/**<p>The location of the AMI.
@return The location of the AMI.</p>*/",
"getterMethodname" : "getImageLocation",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImageLocation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageLocation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageLocation",
"setterDocumentation" : "/**<p>The location of the AMI.
@param imageLocation The location of the AMI.</p>*/",
"setterMethodName" : "setImageLocation",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageLocation",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The location of the AMI.
@param imageLocation The location of the AMI
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageLocation",
  "variableType" : "String",
  "documentation" : "<p>The location of the AMI.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "State",
"c2jShape" : "ImageState",
"deprecated" : false,
"documentation" : "<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>",
"enumType" : "ImageState",
"fluentSetterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@return The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.
@see ImageState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageState",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@param state The current state of the AMI. If
the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.

```java
@see ImageState*/
```

```java
setterMethodName" : "setState",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p><p>@param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>@return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>
  @param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.
  @return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>
  @param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.
  @return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
varargSetterDocumentation" : "/**<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p><p>@param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>@return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>
  @param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.
  @return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>
  @param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.
  @return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",

```java
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.</p>
  @param state The current state of the AMI. If the state is `<code>available</code>`, the image is successfully registered and can be used to launch an instance.
  @return Returns a reference to this object so that method calls can be chained together.@see ImageState*/",
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageOwnerId",
"uri" : false}
,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**\n<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the image owner.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
,
{ "c2jName" : "CreationDate",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The date and time the image was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The date and time the image was created.</p>\n\n@\nparam creationDate
The date and time the image was created.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withCreationDate",
"getterDocumentation" : "/**<p>The date and time the image was created.</p>
@return The date and time the image was created.*/",
"getterMethodName" : "getCreationDate",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreationDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "creationDate",
-uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationDate",
"setterDocumentation" : "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreationDate",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "creationDate",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the image was created.</p>
@param creationDate The date and time the image was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableType" : "String"}
"creationDate" : "creationDate",
"stringType" : "String",
"documentation" : "<p>The date and time the image was created.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
],
"xmlNameSpaceUri" : null
}, { 
"c2jName" : "Public",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPublic",
"getterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@return Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.*/",
"getterMethodName" : "getPublic",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IsPublic",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "isPublic",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Public",
"setterDocumentation" : "/**\n@publicValue Indicates whether the image has public launch permissions. The value is \ntrue if this image has public launch permissions or false if it has only implicit and \nexplicit launch permissions.\n\npublicValue Indicates whether the image has public launch permissions. The value is \ntrue if this image has public launch permissions or false if it has only implicit and explicit launch permissions.\*/

"setterMethodName" : "setPublic",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "publicValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@publicValue Indicates whether the image has public launch permissions. The value is \ntrue if this image has public launch permissions or false if it has only implicit and explicit launch permissions.\n\npublicValue Indicates whether the image has public launch permissions. The value is \ntrue if this image has public launch permissions or false if it has only implicit and explicit launch permissions.\n\nreturn Returns a reference to this object so that method calls can be chained together.\*/

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "publicValue",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the image has public launch permissions. The value is \ntrue if this image has public launch permissions or false if it has only implicit and explicit launch permissions.\n",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "Any product codes associated with the AMI.\n\nreturn Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterDocumentation" : "/**\n@productCodes Any product codes associated with the AMI.\n\nreturn Returns a reference to this object so that method calls can be chained together.\*/

"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**\n@productCodes Any product codes associated with the AMI.\n\nreturn Any product codes
associated with the AMI.*",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<ProductCode>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productCodes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "marshallLocationName" : "ProductCodes",
  "marshallLocationName" : "ProductCodes",
  "queryString" : false,
  "statusCode" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ProductCode",
"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
"simpleType": "ProductCode",
"variableSetterType": "ProductCode"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "ProductCode",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ProductCode",
"templateImplType": "com.amazonaws.internal.SdkInternalList<
ProductCode>",
"templateType": "java.util.List<
ProductCode>"
Any product codes associated with the AMI.

```
/**
 * Any product codes associated with the AMI.
 *
 * @param productCodes Any product codes associated with the AMI.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

This method appends the values to the existing list (if any). Use { @link #setProductCodes(java.util.Collection) } or { @link #withProductCodes(java.util.Collection) } if you want to override the existing values.

```
/**
 * Any product codes associated with the AMI.
 *
 * @param productCodes Any product codes associated with the AMI.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

The architecture of the image.

```
/**
 * The architecture of the image.
 *
 * @param architecture The architecture of the image.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

The architecture of the image.

```
/**
 * The architecture of the image.
 *
 * @param architecture The architecture of the image.
 * @return The architecture of the image.
 */
```

The architecture of the image.
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@return Returns a reference to this object so that method calls can be chained together. */",
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  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The name of the AMI that was provided during image creation.</p>\n@param name The name of the AMI that was provided during image creation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "name",
  "variableType": "String",
  "documentation": "<p>The name of the AMI that was provided during image creation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "Description",
  "c2jShape": "String",
}
"deprecated": false,
"documentation": "The description of the AMI that was provided during image creation.

**getterMethodDescription**

The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

**setterMethodDescription**

The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

http

additionalMarshallingPath: null,
additionalUnmarshallingPath: null,
flattened: false,
greedy: false,
header: false,
isPayload: false,
isStreaming: false,
location: null,
marshallLocationName: "Description",
queryString: false,
statusCode: false,
unmarshallLocationName: "description",
uri: false

idempotencyToken: false,
list: false,
listModel: null,
map: false,
mapModel: null,
name: "Description",
setterDocumentation": "/**<p>The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

**setterMethodDescription**

The description of the AMI that was provided during image creation.

setModel: 

variableDeclarationType: "String",
variableName: "description",
variableType: "String",
documentation": "",
simpleType: "String",
variableSetterType: "String"

simple: true,
varargSetterDocumentation": "/**<p>The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

**setterMethodDescription**: 

The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

**setterMethodDescription**: 

The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.

**setterMethodDescription**: 

The description of the AMI that was provided during image creation.

@returns The description of the AMI that was provided during image creation.
creation.

```html
@param description The description of the AMI that was provided during image creation.
@return Returns a reference to this object so that method calls can be chained together.*
```

```json
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description of the AMI that was provided during image creation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RootDeviceType",
"c2jShape" : "DeviceType",
"deprecated" : false,
"documentation" : "<p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
"enumType" : "DeviceType",
"fluentSetterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume. </p>\n@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeviceType*/",
"fluentSetterMethodName" : "withRootDeviceType",
"getterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@return The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume:\n@see DeviceType*/",
"getterMethodName" : "getRootDeviceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RootDeviceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
```

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"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceType",
"setterDocumentation": "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume or
an instance store volume.</p>
@param rootDeviceType The type of root device used by the AMI. The AMI can
use an EBS volume or an instance store volume.
@see DeviceType*/",
"setterMethodName": "setRootDeviceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>
@param rootDeviceName The device name of the root device (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).)
@return Returns a reference to this object so that
method calls can be chained together.
@see DeviceType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceType",
  "variableType": "String",
  "documentation": "<p>The type of root device used by the AMI. The AMI can use an EBS volume or an
instance store volume.</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "RootDeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The device name of the root device (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).)
"enumType": null,
"fluentSetterDocumentation": "/**<p>The device name of the root device (for example,
<code>/dev/sda1</code> or <code>/dev/xvda</code>).)
@return Returns a reference to this object so that
method calls can be chained together.
@see DeviceType*/",
"fluentSetterMethodName": "withRootDeviceName",
"getterDocumentation": "/**<p>The device name of the root device (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).)
@see DeviceType*/",
"getterMethodName": "getRootDeviceName",
"getterModel": {
"c2jName": "RootDeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The device name of the root device (for example, <code>/dev/sda1</code> or
<code>/dev/xvda</code>).)
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceName",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/**<p>The device name of the root device (for example, \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code>).*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name of the root device (for example,
\</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code>).*/
\n\n@\param rootDeviceName The device name of the root device (for example,
\</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code>).*/
\n\n@\return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "<p>The device name of the root device (for example, \</code>/dev/sda1</code> or
\</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code> or \</code>/dev/xvda</code> or \</code>/dev/sda1</code>).</p>
*/",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
],
]}
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>Any block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any block device mapping entries.</p>@param blockDeviceMappings Any block device mapping entries
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>Any block device mapping entries.</p>@return Any block device mapping entries.*",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
  }
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BlockDeviceMapping",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Any block device mapping entries.</p>
@param blockDeviceMappings Any block device mapping entries.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any block device mapping entries.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings Any block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>Any block device mapping entries.</p>",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VirtualizationType",
"c2jShape" : "VirtualizationType",
"deprecated" : false,
The type of virtualization of the AMI.

@see VirtualizationType

setter documentation

setter documentation
chained together.

@see VirtualizationType*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "virtualizationType",
    "variableType" : "String",
    "documentation" : "<p>The type of virtualization of the AMI.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the image."",
"enumType" : null,
"fluentSetterDocumentation" : "/**
Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.
@return Returns a reference to this object so that method calls can be chained together.*!

"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**
Any tags assigned to the image.</p>
@return Any tags assigned to the image.*!

"getterMethodName" : "getTags",
"getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
```
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
documentation calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
documentation calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
documentation calls can be chained together. */",
"variable" : {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.*/

@link #setTags(java.util.Collection) or @link #withTags(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "<p>Any tags assigned to the image.</p>",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},

"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hypervisor type of the image.\n@param hypervisor The hypervisor type of the image.\n@return Returns a reference to this object so that method calls can be chained together.\n@see HypervisorType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The hypervisor type of the image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Architecture" : {
    "c2jName" : "Architecture",
    "c2jShape" : "ArchitectureValues",
    "deprecated" : false,
    "documentation" : "<p>The architecture of the image.</p>",
    "enumType" : "ArchitectureValues",
    "fluentSetterDocumentation" : "/**<p>The architecture of the image.\n@param architecture The architecture of the image.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ArchitectureValues*/",
    "fluentSetterMethodName" : "withArchitecture",
    "getterDocumentation" : "/**<p>The architecture of the image.\n@return The architecture of the image.\n@see ArchitectureValues*/",
    "getterMethodName" : "getArchitecture",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Architecture",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "architecture",
      "uri" : false
    }
  }
}
http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "BlockDeviceMapping",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "blockDeviceMapping",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "BlockDeviceMapping",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "BlockDeviceMapping",
      "documentation": null
    },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "uri": false,
  }
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
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"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>Any block device mapping entries.</p>\n@param blockDeviceMappings
\n*/"
Any block device mapping entries.*/

 setterMethodName" : "setBlockDeviceMappings",
.setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
   "variableName" : "blockDeviceMappings",
   "variableType" : "java.util.List<BlockDeviceMapping>",
   "documentation" : "",
   "simpleType" : "List<BlockDeviceMapping>",
   "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
   "varargSetterDocumentation" : "/**<p>Any block device mapping entries.</p>
      <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)}
or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing
values.</p>
      @param blockDeviceMappings Any block device mapping entries.
    @return Returns a reference to
      this object so that method calls can be chained together.*/",
"variable" : {
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   "variableName" : "blockDeviceMappings",
   "variableType" : "java.util.List<BlockDeviceMapping>",
   "documentation" : "<p>Any block device mapping entries.</p>
   "simpleType" : "List<BlockDeviceMapping>",
   "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
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"xmlNameSpaceUri" : null
},
"CreationDate" : {
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   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The date and time the image was created.</p>
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The date and time the image was created.</p>
      @param creationDate
    @return Returns a reference to
      this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreationDate",
"getterDocumentation" : "/**<p>The date and time the image was created.</p>
      @return The date and time the image was created.</p>
      @param creationDate
    @return Returns a reference to
      this object so that method calls can be chained together.*/",
"getterMethodDescription" : "getCreationDate",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "creationDate",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreationDate",
"setterDocumentation": /**\n@\n\nThe date and time the image was created.
\n@\n\nthe image was created.*/
setterMethodName": "setCreationDate",
setterModel": {
"variableDeclarationType": "String",
"variableName": "creationDate",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": /**\nThe date and time the image was created.
\n@\n\nthe image was created.
\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"variable": {
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"variableType": "String",
"documentation": "The date and time the image was created.\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"\n"simple": true,
"varargSetterDocumentation": /**\nThe date and time the image was created.
\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"variable": {
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"variableType": "String",
"documentation": "The date and time the image was created.*/
"simple": true,
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"documentation": "The description of the AMI that was provided during image creation.
\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"simple": true,
"varargSetterDocumentation": /**\nThe description of the AMI that was provided during image creation.
\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"variable": {
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"variableType": "String",
"documentation": "The description of the AMI that was provided during image creation.
\n\nReturns a reference to this object so that method calls can be
\n\nchained together.*/
"xmlNameSpaceUri": null
},
"openSourceUsedInVirtualizedVoiceBrowser": "12.6(1) 23263"
The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

### Method Name: withDescription

Returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: setDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: getDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: setDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: getDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: getDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: getDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```

### Method Name: getDescription

The description of the AMI that was provided during image creation.

@returns a reference to this object so that method calls can be chained together.

```java
@get
public String getDescription() {
    return description;
}
```

```java
@set
public void setDescription(String description) {
    this.description = description;
}
```
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>The description of the AMI that was provided during image creation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"EnaSupport" : {
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together."/",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>
@return Specifies whether enhanced networking with ENA is enabled.*="/",
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"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.*="/",
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"setterModel" : {
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"simple" : true,
"varargSetterDocumentation" : "/**\n* Specifies whether enhanced networking with ENA is enabled.
* @param enaSupport Specifies whether enhanced networking with ENA is enabled.
* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
  "documentation" : "Specifies whether enhanced networking with ENA is enabled.
  @param enaSupport Specifies whether enhanced networking with ENA is enabled.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jName" : "Hypervisor",
  "c2jShape" : "HypervisorType",
  "deprecated" : false,
  "documentation" : "The hypervisor type of the image.
  @param hypervisor The hypervisor type of the image.
  @return Returns a reference to this object so that method calls can be chained together.
  @see HypervisorType*/",
  "fluentSetterMethodName" : "withHypervisor",
  "getterDocumentation" : "/**\n* The hypervisor type of the image.
* @param hypervisor The hypervisor type of the image.
* @return Returns a reference to this object so that method calls can be chained together.
* @see HypervisorType*/",
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  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "isPayload" : false,
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  "documentation" : null
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "imageId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
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@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.
@n@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The location of the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The location of the AMI.</p>
@param imageLocation The location of
the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImageLocation",
  "getterDocumentation" : "/**<p>The location of the AMI.</p>
@return The location of the AMI.*/",
  "getterMethodName" : "getImageLocation",
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    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageLocation",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageLocation",
  "setterDocumentation" : "/**<p>The location of the AMI.</p>
@param imageLocation The location of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setImageLocation",
  "setterModel" : {
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    "variableName" : "imageLocation",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
},

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false

"simple": true,
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@<param imageLocation The location of the AMI
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "imageLocation",
  "variableType": "String",
  "documentation": "The location of the AMI.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"ImageOwnerAlias": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.",
  "enumType": null,
  "fluentSetterDocumentation": "/*<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
@<param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withImageOwnerAlias",
  "getterDocumentation": "/*<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
@return The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.",
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  "getterModel": {
    "returnType": "String",
    "documentation": null
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "imageOwnerAlias",
    "uri": false
  }
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageOwnerAlias",
"setterDocumentation" : "/**<p>The AWS account alias (for example, <code>amazon</code>, 
<code>self</code>) or the AWS account ID of the AMI owner.</p>
@param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.*/",

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  "variableName" : "imageOwnerAlias",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account alias (for example, <code>amazon</code>, 
<code>self</code>) or the AWS account ID of the AMI owner.</p>
@param imageOwnerAlias The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.
@return Returns a reference to this object so that method calls can be chained together.*/",

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  "variableType" : "String",
  "documentation" : "<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "ImageTypeValues",
  "deprecated" : false,
  "documentation" : "<p>The type of image.</p>
"enumType" : "ImageTypeValues",
  "fluentSetterDocumentation" : "/**<p>The type of image.</p>
@param imageType The type of image.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageTypeValues*/",
  "fluentSetterMethodName" : "withImageType",
  "getterDocumentation" : "/**<p>The type of image.</p>
@return The type of image.
@see ImageTypeValues*/",
  "getMethodName" : "getImageType",
  "getterModel" : [

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"documentation": null
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"http": {
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  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "imageType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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@param imageType The type of image.
@see ImageTypeValues*/",
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"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of image.</p>
@param imageType The type of image.
@return Returns a reference to this object so that method calls can be chained together.
@see ImageTypeValues*/",
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  "variableType": "String",
  "documentation": "<p>The type of image.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"KernelId" : {
  "c2jName" : "KernelId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The kernel associated with the image, if any. Only applicable for machine images.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The kernel associated with the image, if any. Only applicable for machine images.</p>
@param kernelId The kernel associated with the image, if any. Only applicable for machine images.@n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "/**<p>The kernel associated with the image, if any. Only applicable for machine images.</p>
@return The kernel associated with the image, if any. Only applicable for machine images.@n*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KernelId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "kernelId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "KernelId",
  "setterDocumentation" : "/**<p>The kernel associated with the image, if any. Only applicable for machine images.</p>
@param kernelId The kernel associated with the image, if any. Only applicable for machine images.@n*/",
  "setterMethodName" : "setKernelId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "kernelId",
    "variableType" : "String",
  }
}
"unmarshallLocationName" : "name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**\n * The name of the AMI that was provided during image creation.\n */",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "The name of the AMI that was provided during image creation.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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",
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  "c2jName" : "OwnerId",
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  "documentation" : "The AWS account ID of the image owner.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n * The AWS account ID of the image owner.\n */",
  "fluentSetterMethodName" : "withOwnerId",
  "getterDocumentation" : "/*\n * The AWS account ID of the image owner.\n */",
  "getterMethodName" : "getOwnerId",
  "getterModel" : {
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  "variableName" : "OwnerId",
  "variableType" : "String",
  "documentation" : "The AWS account ID of the image owner.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"documentation" : null
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "imageOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the image owner.</p>
@param ownerId The AWS account ID of the image owner.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the image owner.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"Platform" : {
  "c2jName" : "Platform",
  "c2jShape" : "PlatformValues",
  "deprecated" : false,
  "documentation" : "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>",
  "enumType" : "PlatformValues",
  "fluentSetterDocumentation" : "/*<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
  "fluentSetterMethodName" : "withPlatform",
  "getterDocumentation" : "/*<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>
@return The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@see PlatformValues*/",
  "getterMethodName" : "getPlatform",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Platform",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "platform",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Platform",
  "setterDocumentation" : "/*<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
  "setterMethodName" : "setPlatform",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "platform",
    "variableProperty" : null
  }
};
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.<p>@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "platform",
"variableType" : "String",
"documentation" : "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows AMIs; otherwise blank.<p>
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"xmlNameSpaceUri" : null
},
"ProductCodes" : {
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>Any product codes associated with the AMI.</p>
@param productCodes Any product codes associated with the AMI.<p>
@return Returns a reference to this object so that method calls can be chained together.</p>
@see ProductCodes*/",
"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**<p>Any product codes associated with the AMI.</p>
@return Any product codes associated with the AMI.</p>*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
"returnType" : "java.util.List<ProductCode>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCodes",
"queryString" : false,
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
],
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>
}
],
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>Any product codes associated with the AMI.</p>
@param productCodes Any product codes associated with the AMI.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>
}
],
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any product codes associated with the
AMI.</p>

**NOTE:** This method appends the values to the existing list (if any). Use {@link #setProductCodes(java.util.Collection)} or {@link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>

@returns a reference to this object so that method calls can be chained together.*/

```
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
    "variableName" : "productCodes",
    "variableType" : "java.util.List<ProductCode>",
    "documentation" : "Any product codes associated with the AMI.",
    "simpleType" : "List<ProductCode>",
    "variableSetterType" : "java.util.Collection<ProductCode>",
},
"xmlnsSpaceUri" : null,
"Public" : {
    "c2jName" : "Public",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.",
    "enumType" : null,
    "fluentSetterDocumentation" : "Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.",
    "fluentSetterMethodName" : "withPublic",
    "getterDocumentation" : "Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.",
    "getterMethodName" : "getPublic",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null,
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    }
```
"marshallLocationName" : "IsPublic",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "isPublic",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Public",
"setterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.*/",
"setterMethodName" : "setPublic",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "publicValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>
@param publicValue Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "publicValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "marshallLocationName" : "RamdiskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RamdiskId",
  "uri" : false
}
"deprecated" : false,
"documentation" : "<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>*/@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.
@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/*<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>*/
@return The RAM disk associated with the image, if any. Only applicable for machine images.*",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RamdiskId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ramdiskId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/*<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>*/
@param ramdiskId The RAM disk associated with the image, if any. Only applicable for machine images.*",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ramdiskId",
    "variableType" : "String",
    "documentation" : "The RAM disk associated with the image, if any. Only applicable for
    machine images.<p>
    @param ramdiskId The RAM disk associated with the image, if any. Only applicable for
    machine images.<p>@return Returns a reference to this object so that method calls can be chained together. */",

    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The RAM disk associated with the image, if any. Only applicable for
    machine images.<p>
    @param ramdiskId The RAM disk associated with the image, if any. Only applicable for
    machine images.<p>@return Returns a reference to this object so that method calls can be chained together. */",

    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceName" : {
    "c2jName" : "RootDeviceName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The device name of the root device (for example, <code>/dev/sda1</code> or
    <code>/dev/xvda</code>)."
},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The device name of the root device (for example,
    <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p>@param rootDeviceName The device name of the
    root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).<p>@return Returns a reference to
    this object so that method calls can be chained together. */",

    "fluentSetterMethodName" : "withRootDeviceName",
    "getterDocumentation" : "/**<p>The device name of the root device (for example, <code>/dev/sda1</code>
    or <code>/dev/xvda</code>).<p>@return The device name of the root device (for example,
    <code>/dev/sda1</code> or <code>/dev/xvda</code>). */",

    "getterMethodName" : "getRootDeviceName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "RootDeviceName",
        "queryString" : false,
        "statusCode" : false,
"unmarshallLocationName" : "rootDeviceName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/**\n\nThe device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n\n@see DeviceType\n\n*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n\n@see DeviceType\n\n*/",
"vararg" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceType" : {
  "c2jName" : "RootDeviceType",
  "c2jShape" : "DeviceType",
  "deprecated" : false,
  "documentation" : "The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n\n@see DeviceType\n\n*/",
  "enumType" : "DeviceType",
  "fluentSetterDocumentation" : "/**\nThe type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.\n\n@see DeviceType\n\n*/
},
"fluentSetterMethodName" : "withRootDeviceType",
"getterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume
or an instance store volume.</p>@return The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>*/",
"getterMethodName" : "getRootDeviceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RootDeviceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceType",
"setterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS volume
or an instance store volume.</p>@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>*/",
"setterMethodName" : "setRootDeviceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>@param rootDeviceType The type of root device used by the AMI. The AMI can use an EBS
volume or an instance store volume.</p>@return Returns a reference to this object so that
method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceType",
"variableType" : "String",
"documentation" : "<p>The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
"c2jName" : "SriovNetSupport",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SriovNetSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sriovNetSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>SPECIFIES WHETHER ENHANCED NETWORKING WITH THE INTEL 82599 VIRTUAL FUNCTION INTERFACE IS ENABLED.</p>
@returns{param sriovNetSupport} Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled. */",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sriovNetSupport",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>SPECIFIES WHETHER ENHANCED NETWORKING WITH THE INTEL 82599 VIRTUAL FUNCTION INTERFACE IS ENABLED.</p>
@returns{param sriovNetSupport} Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled. 
@returns{returns} Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sriovNetSupport",
"variableType" : "String",
"documentation" : "<p>SPECIFIES WHETHER ENHANCED NETWORKING WITH THE INTEL 82599 VIRTUAL FUNCTION INTERFACE IS ENABLED.</p>
@returns{returns} Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri" : null
},
"State" : {
"c2jName" : "State",
"c2jShape" : "ImageState",
"deprecated" : false,
"documentation" : "<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@returns{returns} Returns a reference to this object so that method calls can be chained together. */",
"enumType" : "ImageState",
"fluentSetterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@returns{returns} Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.</p>
@returns{returns} Returns a reference to this object so that method calls can be chained together. */
"@see ImageState*/"
"getterMethodName" : "getState",
"getterModel" : {  
"returnType" : "String",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageState",
"uri" : false  
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\p>\The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<\p>\n\@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<\n\@see ImageState*/",
"setterMethodName" : "setState",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>\The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<\p>\n\@param state The current state of the AMI. If the state is <code>available</code>, the image is successfully registered and can be used to launch an instance.<\n\@return Returns a reference to this object so that method calls can be chained together.<\n\@see ImageState*/",
"variable" : {  
"variableDeclarationType" : "String",
"variableName" : "state",
}
"variableType": "String",
"documentation": "The current state of the AMI. If the state is "available", the image is successfully registered and can be used to launch an instance.",
"complexType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"StateReason": {
"c2jName": "StateReason",
"c2jShape": "StateReason",
"deprecated": false,
"documentation": "The reason for the state change."

"enumType": null,
"fluentSetterDocumentation": "The reason for the state change.\n@param stateReason The reason for the state change.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStateReason",
"getterDocumentation": "The reason for the state change.\n@returns The reason for the state change.*/",
"getterMethodName": "getStateReason",
"getterModel": {
"returnType": "StateReason",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
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"isStreaming": false,
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"setterDocumentation": "The reason for the state change.\n@param stateReason The reason for the state change.*/",
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  "variableSetterType" : "StateReason"
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"simple" : false,
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 */\n @param stateReason The reason for the state change.\n @return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The reason for the state change.\n @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "StateReason"
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"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "Any tags assigned to the image.\n @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * Any tags assigned to the image.\n @param tags Any tags assigned to the image.\n @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**\n * Any tags assigned to the image.\n @return Any tags assigned to the image.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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    "greedy" : false,
    "header" : false,
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  "listMemberModel" : {
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    "c2jShape" : "Tag",
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    "documentation" : "",
    "enumType" : null,
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     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
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    "getterDocumentation" : "/**\n     * @return */",
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      "documentation" : null
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    "setterDocumentation" : "/**\n     * @param member */",
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    "setterModel" : {
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      "c2jShape" : "Tag",
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"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"memberType" : "Tag",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
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"templateType" : "java.util.List<Tag>
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"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the image.</p>
@param tags Any tags assigned to the image.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the image.</p>
<b>NOTE:</b> This..."
method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.

```java
@link #setTags(java.util.Collection)
```

Any tags assigned to the image.

```java
@link #withTags(java.util.Collection)
```

Returns a reference to this object so that method calls can be chained together.

```java
public PutImageResult withTags(java.util.Collection<Tag> tags)
```

Method setTags appends the values to the existing list (if any). Use `#setTags(java.util.Collection)` or `#withTags(java.util.Collection)` if you want to override the existing values.

```java
public PutImageResult setTags(java.util.List<Tag> tags)
```

Any tags assigned to the image.

```java
public PutImageResult withTags(java.util.List<Tag> tags)
```

The type of virtualization of the AMI.

```java
public PutImageResult withVirtualizationType(VirtualizationType virtualizationType)
```

The type of virtualization of the AMI.

```java
public PutImageResult getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public VirtualizationType getVirtualizationType()
```

The type of virtualization of the AMI.

```java
public String getVirtualizationType()
```
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"mapModel" : null,
"name" : "VirtualizationType",
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"setterMethodName" : "setVirtualizationType",
"setterModel" : {
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  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of virtualization of the AMI.\n */\n @param virtualizationType The type of virtualization of the AMI.\n @return Returns a reference to this object so that method calls can be chained together.\n @see VirtualizationType*/",
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  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "The type of virtualization of the AMI.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"requestSignerClassFqn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "image",
  "variableType" : "Image",
  "documentation" : null,
  "simpleType" : "Image",
  "variableSetterType" : "Image"
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"customization" : {  
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  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Describes an image attribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The ID of the AMI.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
   * @param imageId The ID of the AMI.
   * @return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withImageId",
   "getterDocumentation" : "/**<p>The ID of the AMI.</p>
   * @return The ID of the AMI.
   */",
   "getterMethodName" : "getImageId",
   "getterModel" : {  
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocationName" : "ImageId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "imageId",
      "uri" : false
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   "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**\n   * The ID of the AMI.
   * @param imageId The ID of the AMI.
   */",
"setterMethodName" : "setImageId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "imageId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n   * The ID of the AMI.
   * @param imageId The ID of the AMI.
   * @return Returns a reference to this object so that method calls can be chained together.*\n   */",
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   "variableName" : "imageId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the AMI.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "LaunchPermissionList",
"deprecated" : false,
"documentation" : "<p>One or more launch permissions.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n   * One or more launch permissions.
   * @param launchPermissions One or more launch permissions.
   * @return Returns a reference to this object so that method calls can be chained together.*\n   */",
"fluentSetterMethodName" : "withLaunchPermissions",
"getterDocumentation" : "/**\n   * One or more launch permissions.
   * @return One or more launch permissions.
   */",
"getterMethodName" : "getLaunchPermissions",
"getterModel" : {
   "returnType" : "java.util.List<LaunchPermission>",
   "documentation" : null
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchPermission",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "LaunchPermission",
    "deprecated" : false,
    "documentation" : "",
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method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
  }
}
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<LaunchPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "LaunchPermissions",
"setterDocumentation" : "/**
One or more launch permissions.

@param launchPermissions One or more launch permissions.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLaunchPermissions",
"setterModel" : {
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  "variableName" : "launchPermissions",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "variableSetterType" : "LaunchPermission"
}
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>
}
,
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more launch permissions.<p/>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setLaunchPermissions(java.util.Collection)] or [@link #withLaunchPermissions(java.util.Collection)] if you want to override the existing values.</p>

\@param launchPermissions One or more launch permissions.
\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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   "variableName" : "launchPermissions",
   "variableType" : "java.util.List<LaunchPermission>",
   "documentation" : "<p>One or more launch permissions.</p>
   "simpleType" : "List<LaunchPermission>",
   "variableSetterType" : "java.util.Collection<LaunchPermission>
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},
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"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>One or more product codes.</p>
   "getterDocumentation" : "/**<p>One or more product codes.</p>
   \@return One or more product codes.
   \@return Returns a reference to this object so that method calls can be chained together.*/",
   "getterMethodName" : "getProductCodes",
   "getterModel" : {
      "returnType" : "java.util.List<ProductCode>",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ProductCodes",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "productCodes",
      "uri" : false
   }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
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    "http" : {
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      "header" : false,
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      "isStreaming" : false,
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      "marshallLocationName" : "Item",
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
@param member
*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "ProductCode",
      "variableName" : "member",
      "variableType" : "ProductCode"} 
  } 
},
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
*/",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ProductCode"} 
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"variableSetterType": "ProductCode"
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"variableName": "member",
"variableType": "ProductCode",
"documentation": "",
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"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
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"simple": false,
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"mapModel": null,
"name": "ProductCodes",
"setterDocumentation": "/**\n<p>One or more product codes.</p>
@param productCodes One or more product codes.<p>

@link #setProductCodes\n@link #withProductCodes\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setProductCodes",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName": "productCodes",
"variableType": "java.util.List<ProductCode>",
"documentation": "",
"simpleType": "List<ProductCode>",
"variableSetterType": "java.util.Collection<ProductCode>",
"varargSetterDocumentation": "/**\n<p>One or more product codes.</p>

@link #setProductCodes\n@link #withProductCodes\n
NOTE: This method appends the values to the existing list (if any). Use @link #setProductCodes(java.util.Collection) or @link #withProductCodes(java.util.Collection) if you want to override the existing values.
\n\n@return Returns a reference to this object so that method calls can be chained together.*/"}


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"variable": {
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  "variableName": "productCodes",
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  "simpleType": "List<ProductCode>",
  "variableSetterType": "java.util.Collection<ProductCode>",
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"xmlNameSpaceUri": null
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"c2jName": "KernelId",
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"deprecated": false,
"documentation": "<p>The kernel ID.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The kernel ID.</p>
@param kernelId The kernel ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withKernelId",
"getterDocumentation": "/**<p>The kernel ID.</p>
@return The kernel ID.*/",
"getterMethodName": "getKernelId",
"getterModel": {
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  "documentation": null
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"list": false,
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"name": "KernelId",
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@param kernelId The kernel ID.
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together. */",

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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The RAM disk ID.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n * The RAM disk ID.
 * @param ramdiskId The RAM disk ID.
 * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withRamdiskId",
  "getterDocumentation": "/**\n * The RAM disk ID.
 * @return The RAM disk ID.
 */",
  "getterMethodName": "getRamdiskId",
  "getterModel": {
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    "documentation": null
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    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ramdisk",
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"list" : false,
"listModel" : null,
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"mapModel" : null,
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  "variableName" : "ramdiskId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The RAM disk ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description for the AMI.</p>
@return A description for the AMI."/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>A description for the AMI.</p>
@return A description for the AMI."/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "description",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description for the AMI.</p>
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"setterModel": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>A description for the AMI.</p>
@param description A description for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "enumType": null,
"fluentSetterDocumentation" : "/**\p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@\n@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**\p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\p>\n\p>\n@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sriovNetSupport",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**\p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\p>\n@\n@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled. */",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled. */"
Function interface is enabled.

@ param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.

@return Returns a reference to this object so that method calls can be chained together.

```

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"c2jName" : "BlockDeviceMappings",
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"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.
*/",
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"getterModel" : {
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    "documentation" : null
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    "greedy" : false,
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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  "c2jShape" : "BlockDeviceMapping",
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  "enumType" : null,
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method calls can be chained together. */",
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  "getterDocumentation" : "/**
@return */",
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  "getterModel" : {
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    "documentation" : null
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  "variableType" : "BlockDeviceMapping",
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  "variableSetterType" : "BlockDeviceMapping"
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  "documentation": null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "member",
  "variableType": "BlockDeviceMapping",
  "documentation": "",
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  "variableSetterType": "BlockDeviceMapping"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "BlockDeviceMapping",
  "documentation": "",
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"variableType": "BlockDeviceMapping",
"documentation": "",
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"variableSetterType": "BlockDeviceMapping"
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"templateType": "java.util.List<BlockDeviceMapping>"
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"name": "BlockDeviceMappings",
"setterDocumentation": "/**<p>One or more block device mapping entries.</p>*/",
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"setterModel": {
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  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
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  "variableName": "blockDeviceMappings",
  "variableType": "java.util.List<BlockDeviceMapping>",
  "documentation": "<p>One or more block device mapping entries.</p>",
  "simpleType": "List<BlockDeviceMapping>",
  "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
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"setterModel" : {
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>\n@param imageId The ID of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The kernel ID.</p>\n  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The kernel ID.</p>\n  @param kernelId The kernel ID.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "/**<p>The kernel ID.</p>\n  @return The kernel ID.*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
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    "isPayload" : false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "kernel",
"uri": false
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"list": false,
"listModel": null,
"map": false,
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"name": "KernelId",
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@param kernelId The kernel ID.*/",
"setterMethodName": "setKernelId",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The kernel ID.</p>
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@return Returns a reference to this object so that method calls can be chained together. */",
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  "c2jShape": "LaunchPermissionList",
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  "documentation": "<p>One or more launch permissions.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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  "variableSetterType": "String"
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  "c2jShape": "LaunchPermissionList",
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  "documentation": "<p>One or more launch permissions.</p>",
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  "variableSetterType": "String"
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  "variableType": "String",
  "documentation": "<p>The kernel ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"getterMethodName" : "getLaunchPermissions",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LaunchPermission",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "launchPermission",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "LaunchPermission",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n \n @param member \n @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n \n @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
"setterDocumentation" : "/**<p>One or more launch permissions.</p>
@param launchPermissions One or more launch permissions.*\*/",
"setterMethodName" : "setLaunchPermissions",
"setterModel" : {
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  "variableName" : "launchPermissions",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "simpleType" : "List<LaunchPermission>",
  "variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more launch permissions.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setLaunchPermissions(java.util.Collection)] or [@link #withLaunchPermissions(java.util.Collection)] if you want to override the existing values.</p>
@param launchPermissions One or more launch permissions.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
  "variableName" : "launchPermissions",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "<p>One or more launch permissions.</p>",
  "simpleType" : "List<LaunchPermission>",
  "variableSetterType" : "java.util.Collection<LaunchPermission>"
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"xmlNameSpaceUri" : null,
"ProductCodes" : {
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  "c2jShape" : "ProductCodeList",
  "deprecated" : false,
  "documentation" : "<p>One or more product codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more product codes.</p>
@param productCodes One or more product codes.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/**<p>One or more product codes.</p>
@return One or more product codes.*\*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<ProductCode>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCodes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productCodes",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ProductCode",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n*## Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n*## Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ProductCode",
      "documentation" : null
    },
    "http" : {
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
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"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
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"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>One or more product codes.</p>
@param productCodes One or more product codes.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
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  "variableName" : "productCodes",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
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"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>"
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more product codes.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setProductCodes(java.util.Collection)\} or \{@link #withProductCodes(java.util.Collection)\} if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "One or more product codes.",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>",
"xmlNameSpaceUri" : null
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"RamdiskId" : {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The RAM disk ID.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withRamdiskId",
  "getterDocumentation" : "/**<p>The RAM disk ID.</p>
@return The RAM disk ID.
*/",
  "getterMethodName" : "getRamdiskId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ramdisk",
    "queryString" : false,
    "xmlNameSpaceUri" : null
  }
}
"statusCode" : false,
"unmarshallLocationName" : "ramdisk",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**\n* The RAM disk ID.
* @param ramdiskId The RAM disk ID.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The RAM disk ID.
* @param ramdiskId The RAM disk ID
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The RAM disk ID.
*",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
* @param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled
* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSriovNetSupport",
  "getterDocumentation" : "/**\n* Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
* @return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sriovNetSupport",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/"}
interface is enabled.<p>"simpleType" : "String",
"variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ImageAttribute",
"variableName" : "imageAttribute",
"variableType" : "ImageAttribute",
"documentation" : null,
"simpleType" : "ImageAttribute",
"variableSetterType" : "ImageAttribute"
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"wrapper" : false
}.
"ImageAttributeName" : {
"c2jName" : "ImageAttributeName",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"name" : "Description",
"value" : "description"
}, {
"name" : "Kernel",
"value" : "kernel"
}, {
"name" : "Ramdisk",
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}, {
"name" : "LaunchPermission",
"value" : "launchPermission"
}];
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"value": "productCodes"
},

"name": "BlockDeviceMapping",
"value": "blockDeviceMapping"
},

"name": "SriovNetSupport",
"value": "sriovNetSupport"
}
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"errorCode": null,

"hasHeaderMember": false,

"hasPayloadMember": false,

"hasStatusCodeMember": false,

"hasStreamingMember": false,

"marshaller": null,

"members": null,

"membersAsMap": {}

,"requestSignerAware": false,

"requestSignerClassFqcn": null,

"required": null,

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"unmarshaller": {

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"variableName": "imageAttributeName",

"variableType": "ImageAttributeName",

"documentation": null,

"simpleType": "ImageAttributeName",

"variableSetterType": "ImageAttributeName"
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"wrapper": false
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"ImageDiskContainer": {

"c2jName": "ImageDiskContainer",

"customization": {

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"skipGeneratingMarshaller": false,

"skipGeneratingModelClass": false,

"skipGeneratingUnmarshaller": false
},

"deprecated": false,

"documentation": "Describes the disk container object for an import image task."

"enums": null,

"errorCode": null,

"hasHeaderMember": false,
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The description of the disk image.</p>
@param description The
description of the disk image.</p>
@return Returns a reference to this object so that method calls can be chained
together.
*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "description",
"variableType": "String",
"documentation": "<p>The description of the disk image.</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Format",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p> 
@param format
The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> 
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withFormat",
"getterDocumentation": "/**<p>The format of the disk image being imported.</p> <p>Valid values:
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> </p> 
@return The
format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> */",
"getterMethodName": "getFormat",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Format",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p>
@param format
The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p>
@param format
The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Url",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://...) or an Amazon S3 URL (s3://...)</p>"
"enumType": null,
"fluentSetterDocumentation": /* The URL to the Amazon S3-based disk image being imported. The URL can either be a HTTPS URL (https://..) or an Amazon S3 URL (s3://..).*/
"fluentSetterMethodName": "withUrl",
"getterDocumentation": /* The URL to the Amazon S3-based disk image being imported. The URL can either be a HTTPS URL (https://..) or an Amazon S3 URL (s3://..).*/
"getterMethodName": "getUrl",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Url",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Url",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Url",
"setterDocumentation": /* The URL to the Amazon S3-based disk image being imported. The URL can either be a HTTPS URL (https://..) or an Amazon S3 URL (s3://..).*/
"setterMethodName": "setUrl",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "url",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)<br>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>",
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
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"c2jShape" : "UserBucket",
"deprecated" : false,
"documentation" : "<p>The S3 bucket for the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>@param userBucket The S3 bucket for the disk image.<br>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withUserBucket",
"getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>@return The S3 bucket for the disk image.</p>*/",
"getterMethodName" : "getUserBucket",
"getterModel" : {
  "returnType" : "UserBucket",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UserBucket",
  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserBucket",
"setterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.</p>*/",
"setterMethodName" : "setUserBucket",
"setterModel" : {
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  "variableName" : "userBucket",
  "variableType" : "UserBucket",
  "documentation" : "",
  "simpleType" : "UserBucket",
  "variableSetterType" : "UserBucket"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "UserBucket",
  "variableName" : "userBucket",
  "variableType" : "UserBucket",
  "documentation" : "<p>The S3 bucket for the disk image.</p>
  "simpleType" : "UserBucket",
  "variableSetterType" : "UserBucket"
},
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"c2jName" : "DeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The block device mapping for the disk.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The block device mapping for the disk.</p>
  @param deviceName The block device mapping for the disk.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceName",
"getterDocumentation" : "/**<p>The block device mapping for the disk.</p>
  @return The block device mapping for the disk.*/",
"getterMethodName" : "getDeviceName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeviceName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The block device mapping for the disk.</p>
@param deviceName The block
device mapping for the disk.</p>*/",
"setterMethodName" : "setDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The block device mapping for the disk.</p>
@param deviceName The block
device mapping for the disk.</p>
@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "<p>The block device mapping for the disk.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>The ID of the EBS snapshot to be used for importing the snapshot.\</p>\n@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**\<p>The ID of the EBS snapshot to be used for importing the snapshot.\</p>\n@return The ID of the EBS snapshot to be used for importing the snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
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"name" : "SnapshotId",
"setterDocumentation" : "/**\<p>The ID of the EBS snapshot to be used for importing the snapshot.\</p>\n@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.*/",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
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"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"deprecated" : false,
"documentation" : "<p>The description of the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The description of the disk image.</p><p>@param description The description of the disk image.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description of the disk image.</p><p>@return The description of the disk image.</p>*/",
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",}
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The description of the disk image.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The block device mapping for the disk.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The block device mapping for the disk.</p>
@param deviceName The block device mapping for the disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDeviceName",
    "getterDocumentation" : "/**<p>The block device mapping for the disk.</p>
@return The block device mapping for the disk.*/",
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        "documentation" : null
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"statusCode" : false,
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The block device mapping for the disk.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"Format" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The format of the disk image being imported.</p>\nValid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>\n"enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The format of the disk image being imported.</p>\nValid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>\n*/"}
<code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>

The format of the disk image being imported. <p>
Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>

@returns a reference to this object so that method calls can be chained together.*\n
"setterDocumentation" : "setFormat",
"setterModel" : {
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 "variableName" : "format",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p> 
@param format The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code>
@return Returns a reference to this object so that method calls can be chained together."*/",
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  "variableType": "String",
  "documentation": "The format of the disk image being imported. 
Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code> 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "complexType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"SnapshotId": {
  "c2jName": "SnapshotId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the EBS snapshot to be used for importing the snapshot.
@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation": "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSnapshotId",
  "getterDocumentation": "/**<p>The ID of the EBS snapshot to be used for importing the snapshot.</p>
@return The ID of the EBS snapshot to be used for importing the snapshot. */",
  "getterMethodName": "getSnapshotId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SnapshotId",
  "uri": false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
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"setterMethodName" : "setSnapshotId",
"setterModel" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n@p The ID of the EBS snapshot to be used for importing the snapshot.\n@param snapshotId The ID of the EBS snapshot to be used for importing the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**\n@p The ID of the EBS snapshot to be used for importing the snapshot.
@return The ID of the EBS snapshot to be used for importing the snapshot.*/",
"getterMethodName" : "getSnapshotId",
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"list" : false,
"listModel" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "pThe URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@p The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUrl",
"getterDocumentation" : "/**\n@p The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n@p Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getUrl"}
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "Url",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n\n@param url The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)*/",
"setterMethodName" : "setUrl",
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  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n\n@throws IllegalArgumentException If the URL is invalid\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)\n\n@return Returns a reference to this object so that method calls can be chained together.*/"
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"simpleType": "String",
"variableSetterType": "String",
"xmlNameSpaceUri": null
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"UserBucket": {
"c2jName": "UserBucket",
"c2jShape": "UserBucket",
"deprecated": false,
"documentation": "<p>The S3 bucket for the disk image.</p>",
"enumType": null,
"fluentSetterDocumentation": "<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained
        together.*/",
"fluentSetterMethodName": "withUserBucket",
"getterDocumentation": "<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
"getterMethodName": "getUserBucket",
"getterModel": {
"returnType": "UserBucket",
"documentation": null
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"http": {
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"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
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@return Returns a reference to this object so that method calls can be chained
        together.*/",
"setterMethodName": "setUserBucket",
"setterModel": {
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"documentation" : "",
"simpleType" : "UserBucket",
"variableSetterType" : "UserBucket"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "UserBucket",
  "documentation" : "The S3 bucket for the disk image.",
  "simpleType" : "UserBucket",
  "variableSetterType" : "UserBucket"
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"wrapper" : false
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"ImageState" : {
  "c2jName" : "ImageState",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
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  "value" : "pending"
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  "value" : "available"
}, {
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  "value" : "invalid"
}, {
  "name" : "Deregistered",
  "value" : "deregistered"
}, {
  "name" : "Transient",
  "value" : "transient"
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"hasStreamingMember" : false,
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  "variableType" : "ImageState",
  "documentation" : null,
  "simpleType" : "ImageState",
  "variableSetterType" : "ImageState"
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Machine",
    "value" : "machine"
  }, {
    "name" : "Kernel",
    "value" : "kernel"
  }, {
    "name" : "Ramdisk",
    "value" : "ramdisk"
  } ],
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
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  "requestSignerClassFqcn" : null,
  "required" : null,
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  "unmarshaller" : {
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    "resultWrapper" : null
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    "variableName" : "imageTypeValues",
    "variableType" : "ImageTypeValues",
    "documentation" : null,
    "simpleType" : "ImageTypeValues",
    "variableSetterType" : "ImageTypeValues"
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  "wrapper" : false
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"ImportImageRequest" : {

"c2jName" : "ImportImageRequest",
"customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description string for the import image task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * A description string for the import image task.
     * @param
     * Description A description string for the import image task.
     * @return
     * Returns a reference to this object so that method calls can be chained together.
     */",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**
     * A description string for the import image task.
     * @return
     * Description A description string for the import image task.
     */",
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    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description string for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "DiskContainers",
"c2jShape" : "ImageDiskContainerList",
"deprecated" : false,
"documentation" : "<p>Information about the disk containers.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the disk containers.</p>
@param diskContainers Information about the disk containers.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDiskContainers",
"getterDocumentation" : "/**<p>Information about the disk containers.</p>
@return Information about the disk containers.*/"
disk containers.

"getterMethodName" : "getDiskContainers",
"getterModel" : {
  "returnType" : "java.util.List<ImageDiskContainer>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DiskContainer",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DiskContainer",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ImageDiskContainer",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ImageDiskContainer",
      "documentation" : null
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      "greedy" : false,
      "header" : false,
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      "isStreaming" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"list" : false,
"listModel" : null,
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  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ImageDiskContainer",
  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ImageDiskContainer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImageDiskContainer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"templateType" : "java.util.List<ImageDiskContainer>"
Valid values: <code>AWS</code> | <code>BYOL</code> | Returns a reference to this object so that method calls can be chained together.*/*/.

"fluentSetterMethodName": "withLicenseType",
"getterDocumentation": "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see Prerequisites in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> */

@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.

<b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see Prerequisites in the VM Import/Export User Guide.

Valid values: <code>AWS</code> | <code>BYOL</code>*/*/.

"getterMethodName": "getLicenseType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "LicenseType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LicenseType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LicenseType",
"setterDocumentation": "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see Prerequisites in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code> */

@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.

<b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see Prerequisites in the VM Import/Export User Guide.

Valid values: <code>AWS</code> | <code>BYOL</code>*/*/.
"setterMethodName" : "setLicenseType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p>  
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> 
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> 
@return The license type to be used for the Amazon Machine Image (AMI) after importing.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "Hypervisor",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The target hypervisor platform.</p> 
@param hypervisor The target hypervisor platform.</p> 
@return The target hypervisor platform.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "/**<p>The target hypervisor platform.</p> 
@param hypervisor The target hypervisor platform.</p> 
@return The target hypervisor platform.</p> 
@return Returns a reference to this object so that method calls can be chained together.*/"}
"getterMethodName": "getHypervisor",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Hypervisor",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Hypervisor",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Hypervisor",
"setterDocumentation": "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p> 
@param hypervisor The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setHypervisor",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "hypervisor",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor platform.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "hypervisor",
"variableType": "String",
"documentation": "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p> 
"simple": "String",
"variableSetterType": "String"
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> */",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Architecture",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> */",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Architecture",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"variableDeclarationType" : "String",
"variableName" : "architecture",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\param architecture The architecture of the virtual machine.
\returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "The architecture of the virtual machine. Valid values: \code{i386} | \code{x86_64} \n\param architecture The architecture of the virtual machine. Valid values: \code{i386} | \code{x86_64} \n\returns Returns a reference to this object so that method calls can be chained together./*",
  "xmlNameSpaceUri" : null,
},
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The operating system of the virtual machine. Valid values: \code{Windows} | \code{Linux}",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\param platform The operating system of the virtual machine. Valid values: \code{Windows} | \code{Linux} \n\returns Returns a reference to this object so that method calls can be chained together./*",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**
\returns The operating system of the virtual machine. Valid values: \code{Windows} | \code{Linux}"
"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The operating system of the virtual machine.</p>
"complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientData",
"c2jShape" : "ClientData",
"deprecated" : false,
"documentation" : "<p>The client-specific data.</p>
"complexType" : "String",
"enumType" : null}
"fluentSetterDocumentation" : "/**<p>The client-specific data.</p>
@returns The client-specific data.*/",
"fluentSetterMethodName" : "withClientData",
"getterDocumentation" : "/**<p>The client-specific data.</p>
@return The client-specific data.*/",
"getterMethodName" : "getClientData",
"getterModel" : {
  "returnType" : "ClientData",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientData",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientData",
"setterDocumentation" : "/**<p>The client-specific data.</p>
@param clientData The client-specific data.*/",
"setterMethodName" : "setClientData",
"setterModel" : {
  "variableDeclarationType" : "ClientData",
  "variableName" : "clientData",
  "variableType" : "ClientData",
  "documentation" : "",
  "simpleType" : "ClientData",
  "variableSetterType" : "ClientData"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The client-specific data.</p>
@returns The client-specific data.*/",
"varargSetterMethodName" : "getClientData",
"varargSetterModel" : {
  "variableDeclarationType" : "ClientData",
  "variableName" : "clientData",
  "variableType" : "ClientData",
  "documentation" : "",
  "simpleType" : "ClientData",
  "variableSetterType" : "ClientData"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The client-specific data.</p>
@returns The client-specific data.*/"
"simpleType" : "ClientData",
"variableSetterType" : "ClientData"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The token to enable idempotency for VM import requests.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@return The token to enable idempotency for VM import requests.</p>*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@param clientToken The token to enable idempotency for VM import requests.</p>*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken"
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to enable idempotency for VM import
requests.</p>
@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : "<p>The token to enable idempotency for VM import requests.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RoleName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the role to use when not using the default role, 'vmimport'.</p>
@param roleName The name of the role to use when not using the default role, 'vmimport'.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoleName",
"getterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>
@return The name of the role to use when not using the default role, 'vmimport'.*/",
"getterMethodName" : "getRoleName",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RoleName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "RoleName",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>
@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
"setterMethodName" : "setRoleName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>
@param roleName The name of the role to use when not using the default role, 'vmimport'.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "The name of the role to use when not using the default role, 'vmimport'.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null},
"membersAsMap" : {
"Architecture" : {
  "c2jName" : "Architecture",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The architecture of the virtual machine.
  <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86-64</code></p>.
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The architecture of the virtual machine.</p>
  <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86-64</code></p>.
  "getterDocumentation" : "/**<p>The architecture of the virtual machine.</p>
  <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86-64</code></p>.
  "setterDocumentation" : "/**<p>The architecture of the virtual machine.</p>
  <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86-64</code></p>.
  "setterMethodName" : "withArchitecture",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "architecture",
    "variableType" : "String",
    "documentation" : "The architecture of the virtual machine.
    <p>Valid values: <code>i386</code> | <code>x86_64</code> | <code>x86-64</code></p>.
    "xmlNameSpaceUri" : null
  }
}

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values: `<code>i386</code>` | `<code>x86_64</code>` */

"getterMethodName" : "getArchitecture",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Architecture",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: `<code>i386</code>` | `<code>x86_64</code>` </p>
@param architecture The architecture of the virtual
machine.</p> <p>Valid values: `<code>i386</code>` | `<code>x86_64</code>` */",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The architecture of the virtual machine.</p> <p>Valid values: `<code>i386</code>` | `<code>x86_64</code>` </p>
@param architecture The architecture of the virtual
machine.</p> <p>Valid values: `<code>i386</code>` | `<code>x86_64</code>`
@return Returns a reference to this
object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "variableSetterType" : "String"
**documentation**: 

-The architecture of the virtual machine. 

Valid values: `<code>i386</code>` | `<code>x86_64</code>`

**simpleType**: `"String"`,

**variableSetterType**: `"String"`

},

**xmlNameSpaceUri**: `null`

},

**ClientData**: [
  **c2jName**: `"ClientData"`,
  **c2jShape**: `"ClientData"`,
  **deprecated**: `false`,
  **documentation**: 

-The client-specific data. 

"flu[ntSettlrDocumentation" : "/**<p>The client-specific data.</p>

@returns The client-specific data.*/

@returns Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getClientData",

**getterModel** : {

  **returnType** : "ClientData",

  **documentation** : null

},

**http** : {

  **additionalMarshallingPath** : `null`,

  **additionalUnmarshallingPath** : `null`,

  **flattened** : `false`,

  **greedy** : `false`,

  **header** : `false`,

  **isPayload** : `false`,

  **isStreaming** : `false`,

  **location** : `null`,

  **marshallLocationName** : "ClientData",

  **queryString** : `false`,

  **statusCode** : `false`,

  **unmarshallLocationName** : "ClientData",

  **uri** : `false`

},

**idempotencyToken**: `false`,

**list**: `false`,

**listModel**: `null`,

**map**: `false`,

**mapModel**: `null`,

**name**: `"ClientData"`,

**setterDocumentation** : "/**<p>The client-specific data.</p>

@returns The client-specific data.*/

@returns Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setClientData",

**setterModel**: {

  **variableDeclarationType** : "ClientData"
"variableName": "clientData",
"variableType": "ClientData",
"documentation": "",
"simpleType": "ClientData",
"variableSetterType": "ClientData"
],
"simple": false,
"varargSetterDocumentation": "/**\n@\n\n@param clientData The client-specific data.
@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ClientData",
"variableName": "clientData",
"variableType": "ClientData",
"documentation": "The client-specific data.",
"simpleType": "ClientData",
"variableSetterType": "ClientData"
},
"xmlNameSpaceUri": null
},
"ClientToken": {
"c2jName": "ClientToken",
"c2jShape": "String",
"deprecated": false,
"documentation": "The token to enable idempotency for VM import requests.",
"enumType": null,
"fluentSetterDocumentation": "/**\n@\n\n@param clientToken The token to enable idempotency for VM import requests.
@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withClientToken",
"getterDocumentation": "/**\n@\n\n@return The token to enable idempotency for VM import requests.
@\n\n*/",
"getterMethodName": "getClientToken",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ClientToken",
"queryString": false,
"statusCode": false,
"unmarshalLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@param
clientToken The token to enable idempotency for VM import requests.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The token to enable idempotency for VM import requests.</p>
@param clientToken The token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "The token to enable idempotency for VM import requests.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A description string for the import image task.",
  "enumType" : null,
  "fluentSetterDocumentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "A description string for the import image task."
"getterMethodName" : "getDescription",
"getterModel" : {"name" : "Description", "setterDocumentation" : "A description string for the import image task."
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description string for the import image task.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
  "name" : "Description", "setterDocumentation" : "A description string for the import image task."
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "A description string for the import image task.
@param
description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description string for the import image task.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description string for the import image task.</p>
@param description A description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description string for the import image task.</p>
"
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"DiskContainers" : {
  "c2jName" : "DiskContainers",
  "c2jShape" : "ImageDiskContainerList",
  "deprecated" : false,
  "documentation" : "<p>Information about the disk containers.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the disk containers.</p>@param diskContainers
  Information about the disk containers.</p>@return Returns a reference to this object so that method calls can be
  chained together.*/",
  "fluentSetterMethodName" : "withDiskContainers",
  "getterDocumentation" : "/**<p>Information about the disk containers.</p>@return Information about the
  disk containers.</p>@*/",
  "getterMethodName" : "getDiskContainers",
  "getterModel" : {
    "returnType" : "java.util.List<ImageDiskContainer>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DiskContainer",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DiskContainer",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ImageDiskContainer",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n  @param member \n  Returns a reference to this object so that method calls can be
  chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n  @return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<ImageDiskContainer>",
        "documentation" : null
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "ImageDiskContainer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ImageDiskContainer",
  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ImageDiskContainer",
  "variableName" : "member",
  "variableType" : "ImageDiskContainer",
  "documentation" : "",
  "simpleType" : "ImageDiskContainer",
  "variableSetterType" : "ImageDiskContainer"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "ImageDiskContainer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImageDiskContainer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"templateType" : "java.util.List<ImageDiskContainer>",
"map" : false,
"mapModel" : null,
"name" : "DiskContainers",
"setterDocumentation" : "/**\n<p>Information about the disk containers.</p>*/
@param diskContainers Information about the disk containers.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDiskContainers",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"variableName" : "diskContainers",
"variableType" : "java.util.List<ImageDiskContainer>",
"documentation" : "",
"simpleType" : "List<ImageDiskContainer>",
"variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Information about the disk containers.</p>*/
@param diskContainers Information about the disk containers.
@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImageDiskContainer>",
"variableName" : "diskContainers",
"variableType" : "java.util.List<ImageDiskContainer>",
"documentation" : "<p>Information about the disk containers.</p>",
"simpleType" : "List<ImageDiskContainer>",
"variableSetterType" : "java.util.Collection<ImageDiskContainer>"
},
"xmlNameSpaceUri" : null
},
"Hypervisor" : {
"c2jName" : "Hypervisor",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>
@return The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
*/",
"getterMethodName" : "getHypervisor",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Hypervisor",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Hypervisor",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code> </p>
@param hypervisor The target hypervisor platform.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/
"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The target hypervisor platform.</p> <p>Valid values: <code>xen</code></p> ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LicenseType" : {
  "c2jName" : "LicenseType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p> ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p> 
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLicenseType",
  "getterDocumentation" : "/**<p>The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p> 
@return The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <p>Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p> */",
  "getterMethodName" : "getLicenseType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
}
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"isStreaming": false,
"location": null,
"marshallingLocationName": "LicenseType",
"queryString": false,
"statusCode": false,
"unmarshallingLocationName": "LicenseType",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LicenseType",
"setterDocumentation": "/**<p>The license type to be used for the Amazon Machine Image (AMI) after
importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these
licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-
import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM
Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p>
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third
party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-
import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM
Import/Export User Guide.</p>
*/",
"setterMethodName": "setLicenseType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "licenseType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The license type to be used for the Amazon Machine Image (AMI)
after importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use
these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-
import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM
Import/Export User Guide.</p> <p>Valid values: <code>AWS</code> | <code>BYOL</code></p>
@param licenseType The license type to be used for the Amazon Machine Image (AMI) after importing.</p> <b>Note:</b> You may only use BYOL if you have existing licenses with rights to use these licenses in a third
party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-
import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM
Import/Export User Guide.</p>
*/",
"setterMethodName": "setLicenseType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "licenseType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The license type to be used for the Amazon Machine Image (AMI)

Valid values: <code>AWS</code> | <code>BYOL</code>

```javascript
@return Returns a reference to this object so that method calls can be chained together. */
```

```javascript
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "licenseType",
  "variableType" : "String",
  "documentation" : "The license type to be used for the Amazon Machine Image (AMI) after importing.

Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#prerequisites-image">Prerequisites</a> in the VM Import/Export User Guide.

Valid values: <code>AWS</code> | <code>BYOL</code>
```

```javascript
"simpleType" : "String",
"variableSetterType" : "String"
```

```javascript
"xmlNameSpaceUri" : null,
```

```javascript
"Platform" : {
  "c2jName" : "Platform",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>
```

```javascript
"enumType" : null,
"fluentSetterDocumentation" : "The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>
```

```javascript
@param platform The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>
```

```javascript
@return Returns a reference to this object so that method calls can be chained together.*/
```

```javascript
"getterDocumentation" : "The operating system of the virtual machine.

Valid values: <code>Windows</code> | <code>Linux</code>
```

```javascript
@return The operating system of the virtual machine.
```

```javascript
"getterMethodName" : "getPlatform",
```

```javascript
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
```

```javascript
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
```
**Platform**

- **setterDocumentation**:
  ```
  /**<p>The operating system of the virtual machine.</p> 
  <p>Valid values: <code>Windows</code> | <code>Linux</code></p>
  @param platform The operating system of the virtual machine.
  <p>Valid values: <code>Windows</code> | <code>Linux</code>*/
  
  @return Returns a reference to this object so that method calls can be chained together. */
  ```

- **setterMethodName**: `setPlatform`

- **setterModel**:
  ```
  { 
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p> 
  <p>Valid values: <code>Windows</code> | <code>Linux</code> The operating system of the virtual machine. 
  <p>Valid values: <code>Windows</code> | <code>Linux</code> 
  @return Returns a reference to this object so that method calls can be chained together. */
  
  @variable 
  ```

- **xmlNameSpaceUri** : `null`

---

**RoleName**

- **c2jName**: `RoleName`

- **c2jShape**: `String`

- **deprecated** : false

- **documentation** : "<p>The name of the role to use when not using the default role, 'vmimport'.</p>

- **enumType** : `null`

- **fluentSetterDocumentation** : "/**<p>The name of the role to use when not using the default role, 'vmimport'. The name of the role to use when not using the default role, 'vmimport'. 
  @return Returns a reference to this object so that method calls can be chained together. */
  ```

- **fluentSetterMethodName**: `withRoleName`

---

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"getterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>@return The name of the role to use when not using the default role, 'vmimport'.*/",
"getterMethodName" : "getRoleName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RoleName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RoleName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.</p>@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
"setterMethodName" : "setRoleName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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  "variableType" : "String",
  "documentation" : "<p>The name of the role to use when not using the default role, 'vmimport'.</p>"
"getterDocumentation" : "/**<p>The task ID of the import image task.</p>
\n@<p>The task ID of the import image task.</p>*/",
"getterMethodName" : "getImportTaskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "importTaskId",
  "uri" : false
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"setterDocumentation" : "/**<p>The task ID of the import image task.</p>
\n@<p>The task ID of the import image task.</p>@

\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The task ID of the import image task.</p>
\n@<p>The task ID of the import image task.</p>@

\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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"fluentSetterDocumentation": "/**\p> The architecture of the virtual machine.\n@param architecture The architecture of the virtual machine.\n@return The architecture of the virtual machine.*/",
"getterDocumentation": "/**\p> The architecture of the virtual machine.\n@return The architecture of the virtual machine.*/",
"getterMethodName": "getArchitecture",
"getterModel": {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The license type of the virtual machine.</p>",
"enumType" : null,
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@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLicenseType",
"getterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@return The license type of the virtual machine.*/",
"getterMethodName" : "getLicenseType",
"getterModel" : {
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  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "licenseType",
  "xmlNameSpaceUri" : null
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  "variableSetterType" : "String"
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@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The operating system of the virtual machine.</p>
@param platform The operating system of the virtual machine.*/",
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"getterModel" : {
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param hypervisor The target hypervisor of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The target hypervisor of the import task.</p>
@return The target hypervisor of the import task.*/",
"getterMethodName" : "getHypervisor",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "hypervisor",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The target hypervisor of the import task.</p>
@param hypervisor The target hypervisor of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "The target hypervisor of the import task.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param description A description of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the import task.</p>
@return A description of the import task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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  "documentation" : null
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
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"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the import task.</p>
@param description A description of
the import task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the import task.</p>
@param description A description of the import task.
@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "documentation" : "<p>A description of the import task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
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"c2jName" : "SnapshotDetails",
"c2jShape" : "SnapshotDetailList",
"deprecated" : false,
"documentation" : "<p>Information about the snapshots.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the snapshots.
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withSnapshotDetails",
"getterDocumentation" : "/**<p>Information about the snapshots.
@return Information about the snapshots.*/",
"getterMethodName" : "getSnapshotDetails",
"getterModel" : {
  "returnType" : "java.util.List<SnapshotDetail>",
  "documentation" : null
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"http" : {
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  "greedy" : false,
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "snapshotDetailSet",
"uri": false
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "SnapshotDetail",
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    "documentation": "",
    "enumType": null,
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    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n\n**/\nreturn *!",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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    "http": {
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      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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    "list": false,
    "listModel": null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "SnapshotDetail",
  "documentation" : "",
  "simpleType" : "SnapshotDetail",
  "variableSetterType" : "SnapshotDetail"
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@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "SnapshotDetail",
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  "variableSetterType" : "SnapshotDetail"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
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"simple" : false,
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"templateType" : "java.util.List<SnapshotDetail>"
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"map" : false,
"mapModel" : null,
"name" : "SnapshotDetails",
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@param snapshotDetails Information about the snapshots.*/",
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  "variableType" : "java.util.List<SnapshotDetail>",
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  "simpleType" : "SnapshotDetail",
  "variableSetterType" : "SnapshotDetail"
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    "variableName" : "snapshotDetails",
    "variableType" : "java.util.List<SnapshotDetail>",
    "documentation" : "Information about the snapshots.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setSnapshotDetails(java.util.Collection)] or [@link #withSnapshotDetails(java.util.Collection)] if you want to override the existing values.<p>@param snapshotDetails Information about the snapshots.<p>@return Returns a reference to this object so that method calls can be chained together.*"",
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"deprecated" : false,
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"enumType" : null,
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"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "The ID of the Amazon Machine Image (AMI) created by the import task.<p><p><b>Note:</b> The ID of the Amazon Machine Image (AMI) created by the import task can be chained together.*"",
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    "queryString" : false,
    "statusCode" : false,
    "xmlNameSpaceUri" : null
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"listModel": null,
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>
@param imageId The ID of the Amazon Machine Image (AMI) created by the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jName": "Progress",
"c2jShape": "String",
"deprecated": false,
"documentation": "/p>The progress of the task.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The progress of the task.</p>
@param progress The progress of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withProgress",
"getterDocumentation": "/**<p>The progress of the task.</p>
@return The progress of the task.*/",
"getterMethodName": "getProgress",
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  "documentation": null
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"mapModel" : null,
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  "variableSetterType" : "String"
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"simple" : true,
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@param progress The progress of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The progress of the task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A detailed status message of the import task.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>A detailed status message of the import task.</p>
@param statusMessage A detailed status message of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStatusMessage",
"getterDocumentation": "/**<p>A detailed status message of the import task.</p>
@return A detailed status message of the import task.*/",
"getterMethodName": "getStatusMessage",
"getterModel": {
"returnType": "String",
"documentation": null
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"isStreaming": false,
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"listModel": null,
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"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**<p>A detailed status message of the import task.</p>
@param statusMessage A detailed status message of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel": {
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"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>A detailed status message of the import task.</p>
@param statusMessage A detailed status message of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
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  "variableType" : "String",
  "documentation" : "A detailed status message of the import task.\n  ",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
],
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A brief status of the task.\n  ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n  A brief status of the task.\n  
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The license type of the virtual machine.

@returns Returns a reference to this object so that method calls can be chained together.

```

```

The operating system of the virtual machine.

@returns Returns a reference to this object so that method calls can be chained together.

```

```

The operating system of the virtual machine.

@returns The operating system of the virtual machine.

```

```

The license type of the virtual machine.

@returns Returns a reference to this object so that method calls can be chained together.

```

```

The operating system of the virtual machine.

@returns Returns a reference to this object so that method calls can be chained together.

```

```


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Information about the snapshots.

@return Returns a reference to this object so that method calls can be chained together.

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  "variableSetterType" : "String"
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"documentation": "<p>A detailed status message of the import task.</p>",
"enumType": null,
"fluentSetterDocumentation": "/*@param statusMessage A detailed status message of the import task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStatusMessage",
"getterDocumentation": "/*@param statusMessage A detailed status message of the import task.
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"variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "ImportImageResult",
  "documentation" : null,
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  "variableSetterType" : "ImportImageResult"
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    "skipGeneratingUnmarshaller" : false
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  "documentation" : "Describes an import image task.",
  "enums" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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 "enumType" : null,
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\n@see {String} The ID of the import image task.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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\n@see The ID of the import image task.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "marshallLocationName" : "ImportTaskId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "importTaskId",
 "uri" : false
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 "mapModel" : null,
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 "setterDocumentation" : "/**<p>The ID of the import image task.</p>\n@returns The ID of the import image task.
\n@see The ID of the import image task.
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code> </p>
@param architecture The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@return The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code>*/",
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@param architecture The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code>*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The license type of the virtual machine.</p>"",
"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The license type of the virtual machine.</p>\n@return The license type of the virtual machine.*/",
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"getterModel" : {

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"documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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@param licenseType The license type of the virtual machine.*/",
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  "variableType" : "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"isStreaming" : false,
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"mapModel": null,
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@param hypervisor The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>*/",
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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@param hypervisor The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
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@return A description of the import task.*/",
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  "documentation": null
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@param description A description of the import task.
@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>A description of the import task.</p>
@param description A description of the import task.
@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "isStreaming": false,
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  "uri": false
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"mapModel": null,
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   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
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  "variableType": "SnapshotDetail",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<SnapshotDetail>
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"name" : "SnapshotDetails",
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@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*
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@return Returns a reference to this object so that method calls can be chained together.*
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"simpleType" : "SnapshotDetail",
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"templateType" : "java.util.List<SnapshotDetail>
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"mapModel" : null,
"name" : "SnapshotDetails",
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@param snapshotDetails Information about the snapshots.*
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"setterModel" : {


",
"simple" : false,
"varargSetterDocumentation" : "/**
*p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*
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"fluentSetterDocumentation" : "/**
*p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<SnapshotDetail>",
"templateType" : "java.util.List<SnapshotDetail>
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"mapModel" : null,
"name" : "SnapshotDetails",
"setterDocumentation" : "/**
*p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.*
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"setterModel" : {


",
"simple" : false,
"varargSetterDocumentation" : "/**
*p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together.*
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",
"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"documentation" : "p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**
*p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*
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"simple" : false,
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@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"}
The ID of the Amazon Machine Image (AMI) of the imported virtual machine.

The percentage of progress of the import image task.

Returns a reference to this object so that method calls can be chained together.

The percentage of progress of the import image task.

The percentage of progress of the import image task.

Returns a reference to this object so that method calls can be chained together.

The percentage of progress of the import image task.
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  "variableType" : "String",
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  "fluentSetterDocumentation" : "/**\n A descriptive status message for the import image task.\n @param statusMessage A descriptive status message for the import image task.\n @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**\n A descriptive status message for the import image task.\n @return A descriptive status message for the import image task. */",
  "getterMethodName" : "getStatusMessage",
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"name" : "StatusMessage",
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* \n* @param statusMessage A descriptive status message for the import image task.
* \n* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* A descriptive status message for the import image task.
* \n* @param statusMessage A descriptive status message for the import image task.
* \n* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "A brief status for the import image task.
  \n  @param status A brief status for the import image task.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "variableSetterType" : "String"
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}, {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A brief status for the import image task.
  \n  @param status A brief status for the import image task.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "fluentSetterDocumentation" : "/**\n* A brief status for the import image task.
* \n* @param status A brief status for the import image task.
* \n* @return Returns a reference to this object so that method calls can be chained together.
* \n* @param status A brief status for the import image task.
* \n* @return Returns a reference to this object so that method calls can be chained together.
* \n* @param status A brief status for the import image task.
* \n* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**\n* A brief status for the import image task.
* \n* @return A brief status for the import image task.
* \n* @return A brief status for the import image task.
* \n* @return A brief status for the import image task.
*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
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    "variableName" : "statusMessage",
    "variableType" : "String",
    "documentation" : "A brief status for the import image task.
    \n    @param status A brief status for the import image task.
    \n    @return Returns a reference to this object so that method calls can be chained together.
    */",
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  },
  "xmlNameSpaceUri" : null
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"documentation" : null
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  "greedy" : false,
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@param status A brief status for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A brief status for the import image task.</p>
@param status A brief status for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>A brief status for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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        "c2jShape": "String",
        "deprecated": false,
        "documentation": "The architecture of the virtual machine.
Valid values: i386 | x86_64",
        "enumType": null,
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Valid values: i386 | x86_64",
        "getterDocumentation": "The architecture of the virtual machine.
Valid values: i386 | x86_64",
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            "documentation": null
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Valid values: i386 | x86_64",
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        }
    }
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"variableSetterType" : "String"
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@param architecture The architecture of the virtual machine.
@return Returns a reference to this object so that method calls can be chained together.*"",
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"variableType" : "String",
"documentation" : "The architecture of the virtual machine.
Valid values: <code>i386</code> | <code>x86_64</code>

Getters

**getArchitecture()**

Get the architecture of the virtual machine.

**setArchitecture(String value)**

Set the architecture of the virtual machine.

## Description

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description of the import task.

Getters

**getDescription()**

Get a description of the import task.

**setDescription(String value)**

Set a description of the import task.

## HTTP

"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
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"unmarshallLocationName": "description",
"uri": false
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  "variableType": "String",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>
</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The target hypervisor for the import task.</p> <p>Valid values: <code>xen</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
**getterDocumentation**:

```html
<p>The target hypervisor for the import task.</p>
<p>Valid values: <code>xen</code></p>
```  

```html
@<p>return The target hypervisor for the import task.</p>
```  

**setterDocumentation**:

```html
<p>The target hypervisor for the import task.</p>
<p>Valid values: <code>xen</code></p>
```  

```html
@<p>param hypervisor The target hypervisor for the import task.</p>
```  

```html
@return Returns a reference to this object so that method calls can be chained together.*"*/
```
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"enumType": null,
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"statusCode": false,
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"uri": false
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"uri": false
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"statusCode": false,
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"map": false,
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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 * @param imageId The ID of the Amazon Machine Image (AMI) of the imported virtual machine.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "The ID of the Amazon Machine Image (AMI) of the imported virtual machine.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jName": "ImportTaskId",
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  "deprecated": false,
  "documentation": "The ID of the import image task.

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 * @param importTaskId The ID of the import image task.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withImportTaskId",
  "getterDocumentation": "/**\n * The ID of the import image task.
 * @return The ID of the import image task.*/",
  "getterMethodName": "getImportTaskId",
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    "documentation": null
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
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"statusCode" : false,
"unmarshallLocationName" : "importTaskId",
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"mapModel" : null,
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"setterDocumentation" : "/**\n@param importTaskId The ID of the import image task.*/",
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "enumType" : null,
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  "fluentSetterMethodName" : "withLicenseType",}
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@return The license type of
the virtual machine.*/",
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  "returnType" : "String",
  "documentation" : null
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@param licenseType The
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@return Returns a reference to this object so that method calls can be
chained together.*/",
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  "variableName" : "licenseType",
  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The license type of the virtual machine.</p>
@param licenseType The license type of the virtual machine.
@return Returns a reference to this object so that method calls can be
chained together.*/",
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  "variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The description string for the import image task.</p>
@param platform The description string for the import image task.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The description string for the import image task.</p>
@return The description string for the import image task.<br/>
*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
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"statusCode" : false,
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@param platform The description string for the import image task.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
*/",
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"variableSetterType" : "String"}
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The description string for the import image task.</p>
@param platform The description string for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The description string for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Progress" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The percentage of progress of the import image task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>
@param progress The percentage of progress of the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The percentage of progress of the import image task.</p>
@return The percentage of progress of the import image task.*/",
  "getterMethodName" : "getProgress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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"unmarshallLocationName" : "progress",
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"list" : false,
"listModel" : null,
"map" : false,
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"xmlNameSpaceUri" : null
},
"SnapshotDetails" : {
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  "c2jShape" : "SnapshotDetailList",
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  "documentation" : "<p>Information about the snapshots.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p>Information about the snapshots.\n@param snapshotDetails Information about the snapshots.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "getterDocumentation" : "/**\n*p>Information about the snapshots.\n\n@return Information about the snapshots.*/",
  "getterMethodName" : "getSnapshotDetails",
  "xmlNameSpaceUri" : null
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"getterModel" : {
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  "documentation" : null
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    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "isStreaming" : false,
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  }
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"mapModel" : null,
"name" : "SnapshotDetails",
"setterDocumentation" : "/**<p>Information about the snapshots.</p>
@param snapshotDetails Information about the snapshots. */",
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"setterModels" : {
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  "variableName" : "snapshotDetails",
  "variableType" : "java.util.List<SnapshotDetail>",
  "documentation" : "",
  "simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the snapshots.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link setSnapshotDetails(java.util.Collection)] or [@link withSnapshotDetails(java.util.Collection)] if you want to override the existing values. </p>

@param snapshotDetails Information about the snapshots.
@return Returns a reference to this object so that method calls can be chained together. */",
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"simpleType" : "List<SnapshotDetail>",
  "variableSetterType" : "java.util.Collection<SnapshotDetail>"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A brief status for the import image task.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A brief status for the import image task.</p>
  @param status A brief status for the import image task.
  @return Returns a reference to this object so that method calls can be chained together. */",
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  "getterDocumentation" : "/**<p>A brief status for the import image task.</p>
  @param A brief status for the import image task.
  @return A brief status for the import image task.
  */",
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  "getterModel" : {
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    "documentation" : null
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  "http" : {
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}
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"greedy" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Status",
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@param status A brief status for the import image task.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param status A brief status for the import image task.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>A brief status for the import image task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
"documentation" : ":<p>A descriptive status message for the import image task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : ":**<p>A descriptive status message for the import image task.</p><@param
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so that method calls can be chained together.*/",
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"getterDocumentation" : ":**<p>A descriptive status message for the import image task.</p><@return A
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"getterMethodName" : "getStatusMessage",
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  "documentation" : null
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  "header" : false,
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  "statusCode" : false,
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  "uri" : false
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so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ":**<p>A descriptive status message for the import image task.</p><@param
statusMessage A descriptive status message for the import image task.<@return Returns a reference to this object
so that method calls can be chained together.*”

```
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    "variableType" : "String",
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    "variableSetterType" : "String"
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    "variableType" : "ImportImageTask",
    "documentation" : null,
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    "variableSetterType" : "ImportImageTask"
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes the launch specification for VM import.</p>",
    "enums" : null,
    "errorCode" : null,
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
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                "documentation" : null,
                "simpleType" : "ImportInstanceLaunchSpecification",
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            }
        }
    ]
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"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "The architecture of the instance.\n@see ArchitectureValues*/",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "The architecture of the instance.\n@param architecture The architecture of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ArchitectureValues*/",
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"getterDocumentation" : "The architecture of the instance.\n@return The architecture of the instance.\n@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
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  "returnType" : "String",
  "documentation" : null
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  "uri" : false
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@param architecture The architecture of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape": "SecurityGroupStringList",
"deprecated": false,
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"enumType": null,
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@param groupNames One or more security group names.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroupNames",
"getterDocumentation": "/**\n<p>One or more security group names.</p>
@return One or more security group names.
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"getterMethodName": "getGroupNames",
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  "documentation": null
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  "greedy": false,
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   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**
   * @return */",
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    "documentation" : null
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  "isStreaming" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroup",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"setterDocumentation" : "/**
   * @param member *
   */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
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"mapModel" : null,
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@param groupNames One or more security group names.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "groupNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group names.</p>
@param groupNames One or more security group names.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"documentation" : "<p>One or more security group names.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"enumType" : null,
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* @param groupIds One or more security group IDs.
* @return Returns a reference to this object so that method calls can be chained together.**/",
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"getterDocumentation" : "/**<p>One or more security group IDs.</p>
* @return One or more security group IDs.
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@param member 
@return Returns a reference to this object so that
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  "variableType": "String",
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  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": ""
"simpleType" : "String",
"variableSetterType" : "String"
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"memberLocationName" : "SecurityGroupId",
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"templateType" : "java.util.List<String>
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"mapModel" : null,
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"setterDocumentation" : "/**\n@IBOutlet One or more security group IDs.\n*/",
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"setterModel" : {
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  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@IBOutlet One or more security group IDs.\n*/\n\b\bNOTE:</b> This method appends the values to the existing list (if any). Use \{@link #setGroupIds(java.util.Collection)\} or \{@link #withGroupIds(java.util.Collection)\} if you want to override the existing values.\n\n@IBOutlet One or more security group IDs.\n\nreturn Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
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"c2jName" : "AdditionalInfo"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/**<p>Reserved.</p>@return Reserved.*/",
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  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
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"c2jName" : "UserData",
"c2jShape" : "UserData",
"deprecated" : false,
"documentation" : "<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"returnType" : "UserData",
"documentation" : null
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"isPayload" : false,
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"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "UserData",
  "variableName" : "userData",
  "variableType" : "UserData",
  "documentation" : "",
  "simpleType" : "UserData",
  "variableSetterType" : "UserData"
},
"simple" : false,
"varargSetterDocumentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"variable" : {
  "variableDeclarationType" : "UserData",
  "variableName" : "userData",
  "variableType" : "UserData",
  "documentation" : "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "simpleType" : "UserData",
  "variableSetterType" : "UserData"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"">Instance Types</a> in the VM Import/Export User Guide.",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-
**Instance Types**<\a> in the VM Import/Export User Guide.<\p>\n@\param

instanceType The instance type. For more information about the instance types that you can import, see <\a href="\http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"\>Instance Types<\a> in the VM Import/Export User Guide.<\p>\n@return Returns a reference to this object so that method calls can be chained together.<\n>@see InstanceType*/

"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**\p>The instance type. For more information about the instance types that you can import, see <\a href="\http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"\>Instance Types<\a> in the VM Import/Export User Guide.<\p>\n@return The instance type. For more information about the instance types that you can import, see <\a href="\http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"\>Instance Types<\a> in the VM Import/Export User Guide.<\p>\n@see InstanceType*/",

"getMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\p>The instance type. For more information about the instance types that you can import, see <\a href="\http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"\>Instance Types<\a> in the VM Import/Export User Guide.<\p>\n@\param

instanceType The instance type. For more information about the instance types that you can import, see <\a href="\http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types"\>Instance Types<\a> in the VM Import/Export User Guide.<\p>\n@see InstanceType*/",

"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",

/*
 * The instance type. For more information about the instance types that you
can import, see http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types

@constructor InstanceType The instance type. For more information about the instance types that you can import, see http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types

@returns {InstanceType} Returns a reference to this object so that method calls can be chained together.
*/

"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "String"
}
"simple" : true,
"varargsSetterDocumentation" : "/**<p>The instance type. For more information about the instance types that you can import, see http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types</p>
@param instanceType The instance type. For more information about the instance types that you can import, see http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The instance type. For more information about the instance types that you can import, see http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Placement",
"c2jShape" : "Placement",
"deprecated" : false,
"documentation" : "The placement information for the instance.
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Placement The placement information for the instance.
{returns}
@returns {Placement} Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/**<p>The placement information for the instance.</p>
@return The placement information for the instance.
*/

"getterMethodName" : "getPlacement",
"getterModel" : {
  "returnType" : "Placement",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**
<p>The placement information for the instance.</p>
@param placement The placement information for the instance.</param
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Placement",
  "variableName" : "placement",
  "variableType" : "Placement",
  "documentation" : "<p>The placement information for the instance.</p>",
  "simpleType" : "Placement",
  "variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Monitoring",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether monitoring is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withMonitoring"
"getterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>@return Indicates whether monitoring is enabled.*/",
"getterMethodName" : "getMonitoring",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Monitoring.Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "monitoring/enabled",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>@param monitoring Indicates whether monitoring is enabled.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>@param monitoring Indicates whether monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether monitoring is enabled.</p>"},
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n\n[EC2-VPC] The ID of the subnet in which to launch the
instance.</p>\n@\n@\n\n[EC2-VPC] The ID of the subnet in which to launch the instance.\n\n@return
Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.\n</p>\n"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "ShutdownBehavior",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the
instance (using the operating system command for system shutdown).\n</p>\n"enumType" : "ShutdownBehavior",
"fluentSetterDocumentation" : "/**\nIndicates whether an instance stops or terminates when you initiate
shutdown from the instance (using the operating system command for system shutdown).\n\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@return Returns a reference to this
object so that method calls can be chained together.\n@see ShutdownBehavior*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**\nIndicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@see ShutdownBehavior*/",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceInitiatedShutdownBehavior",
"queryString" : false,
"status" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/
","setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/
","variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation": "/**\<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\</p>\n@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrivateIpAddress",
"getterDocumentation": "/**\<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\</p>
@return [EC2-VPC] An available IP address from the IP address range of the subnet.*/",
"getterMethodName": "getPrivateIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshalLocationName": "PrivateIpAddress",
"queryString": false,
"statusCode": false,
"unmarshalLocationName": "privateIpAddress",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**\<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\</p>\n@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "privateIpAddress",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\</p>\n@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AdditionalInfo" : {
    "c2jName" : "AdditionalInfo",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Reserved.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAdditionalInfo",
    "getterDocumentation" : "/**<p>Reserved.</p>
@return Reserved.*/",
    "getterMethodName" : "getAdditionalInfo",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AdditionalInfo",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "additionalInfo",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AdditionalInfo",
    "setterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/"
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "additionalInfo",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "additionalInfo",
    "variableType" : "String",
    "documentation" : "<p>Reserved.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Architecture" : {
    "c2jName" : "Architecture",
    "c2jShape" : "ArchitectureValues",
    "deprecated" : false,
    "documentation" : "<p>The architecture of the instance.</p>",
    "enumType" : "ArchitectureValues",
    "fluentSetterDocumentation" : "/**<p>The architecture of the instance.</p>
@param architecture The architecture of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
    "fluentSetterMethodName" : "withArchitecture",
    "getterDocumentation" : "/**<p>The architecture of the instance.</p>
@return The architecture of the instance.
@see ArchitectureValues*/",
    "getterMethodName" : "getArchitecture",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    },
"marshallLocationName" : "Architecture",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/\*<p>The architecture of the instance.</p>\n@param architecture The architecture of the instance.\n@see ArchitectureValues*/",
"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\*<p>The architecture of the instance.</p>\n@param architecture The architecture of the instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ArchitectureValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "<p>The architecture of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupIds" : {
  "c2jName" : "GroupIds",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more security group IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/\*<p>One or more security group IDs.</p>\n@param groupIds One or more security group IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupIds",
  "getterDocumentation" : "/\*<p>One or more security group IDs.</p>\n@return One or more security group IDs.*/"}
{
  "getterMethodName": "getGroupIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
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    "unmarshallLocationName": "GroupId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/**
      @param member 
      @return Returns a reference to this object so that
      method calls can be chained together.*/",
      "fluentSetterMethodName": "withMember",
      "getterDocumentation": "/**\n      @return */",
      "getterMethodName": "getMember",
      "getterModel": {
        "returnType": "String",
        "documentation": null
      },
      "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
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        "location": null,
        "marshallLocationName": "GroupId",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "GroupId",
        "uri": false
      }
    }"}
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* @param member
* @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"map" : false,
"mapModel" : null,
"name" : "GroupIds",
"setterDocumentation" : "/**<p>One or more security group IDs.</p>
@param groupIds One or more
security group IDs.*/",
"setterMethodName" : "setGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more security group IDs.</p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link #setGroupIds(java.util.Collection)] or [@link
#withGroupIds(java.util.Collection)] if you want to override the existing values.*/
@param groupIds One or
more security group IDs.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"GroupNames" : {
  "c2jName" : "GroupNames",
  "c2jShape" : "SecurityGroupStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more security group names.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more security group names.</p>
  @return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withGroupNames",
  "getterDocumentation" : "/*<p>One or more security group names.</p>
  @return One or more security
group names.*/",
  "getterMethodName" : "getGroupNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {"map" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : ",",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that
 * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SecurityGroup",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SecurityGroup",
      "uri" : false
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>One or more security group names.</p>
@param groupNames One or more
security group names.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group names.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroupNames(java.util.Collection)] or [@link #withGroupNames(java.util.Collection)] if you want to override the existing values.</p><p>@param groupNames One or more security group names.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more security group names.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"InstanceInitiatedShutdownBehavior" : {
  "c2jName" : "InstanceInitiatedShutdownBehavior",
  "c2jShape" : "ShutdownBehavior",
  "deprecated" : false,
  "documentation" : "Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown)."
},
"enumType" : "ShutdownBehavior",
"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p>@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p>@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"getMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceInitiatedShutdownBehavior",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@see ShutdownBehavior*/
@return Returns a reference to this object so that method calls can be chained together.
@see ShutdownBehavior*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceInitiatedShutdownBehavior",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</p>",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**\n * The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.<p>
 * @param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.
 * @return Returns a reference to this object so that method calls can be chained together.<p>
 * @see InstanceType*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**\n * The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.<p>
 * @return The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.<p>
 * @see InstanceType*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\n * The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n *\n * @param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n *\n * @see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n *\n * @param instanceType The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.\n *\n * @see InstanceType*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : "<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Monitoring" : {
 "c2jName" : "Monitoring",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Indicates whether monitoring is enabled.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * Indicates whether monitoring is enabled.\n *\n * @param monitoring Indicates whether monitoring is enabled.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMonitoring",
 "getterDocumentation" : "/**\n * Indicates whether monitoring is enabled.\n *\n * @return Indicates whether monitoring is enabled.*/"},
"getterMethodName" : "getMonitoring",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Monitoring.Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "monitoring/enabled",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param monitoring Indicates whether monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether monitoring is enabled.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
The placement information for the instance.

The placement information for the instance.

The placement information for the instance.

The placement information for the instance.

The placement information for the instance.

The placement information for the instance.

The placement information for the instance.
"documentation" : "",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* The placement information for the instance.\n*param placement
The placement information for the instance.\n*return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
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"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
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"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
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"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
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"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "<p>The placement information for the instance.</p>
@param placement
The placement information for the instance.
@return Returns a reference to this object so that method calls can be
chained together.*/
"PrivateIpAddres...}An available IP address from the IP address range of the subnet.

@returns A reference to this object so that method calls can be chained together.*/

"getterModel" : 
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\[EC2-VPC\] An available IP address from the IP address range of the subnet.

@returns A reference to this object so that method calls can be chained together.*/

"getterMethodModel" : 
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>
[EC2-VPC] An available IP address from the IP address range of the subnet.\n</p>\n@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\n</p>\n@param privateIpAddress [EC2-VPC] An available IP address from the IP address range of the subnet.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.\n</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch
the instance.\n</p>\n@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.\n\n@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which to launch
the instance.\n</p>\n@return [EC2-VPC] The ID of the subnet in which to launch the instance. */",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**
\[EC2-VPC\] The ID of the subnet in which to launch the instance.\</p>\n@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.*\/

 setterMethodIdName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\[EC2-VPC\] The ID of the subnet in which to launch the instance.\</p>\n@param subnetId [EC2-VPC] The ID of the subnet in which to launch the instance.\n@return

 Returns a reference to this object so that method calls can be chained together.*\/

 "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "\</p>[EC2-VPC] The ID of the subnet in which to launch the instance.\</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"UserData" : {
  "c2jName" : "UserData",
  "c2jShape" : "UserData",
  "deprecated" : false,
  "documentation" : "<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
  @param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
  @return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withUserData",
  "getterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
  @return The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*"",
  "getterMethodName" : "getUserData",
  "getterModel" : {
    "returnType" : "UserData",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserData",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "userData",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "UserData",
  "setterDocumentation" : "/**<p>The user data to make available to the instance. If you are using an AWS"
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. */

```javascript
/**
 * The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text. 
 * @param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
 * @return Returns a reference to this object so that method calls can be chained together. */

function setUserData(userData) {
  // Implementation
}
```

```javascript
/**
 * The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
 * @param userData The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
 * @return Returns a reference to this object so that method calls can be chained together. */

function setUserData(userData) {
  // Implementation
}
```
"ImportInstanceRequest" : {
  "c2jName" : "ImportInstanceRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ImportInstance.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ImportInstance",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the instance being imported.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for the instance being imported.&lt;/p&gt;\n@param description A description for the instance being imported.\n@return Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for the instance being imported.&lt;/p&gt;\n@return A description for the instance being imported.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n@param description A description for the instance being imported.\n*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param description A description for the instance being imported.\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the instance being imported.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "LaunchSpecification",
  "c2jShape" : "ImportInstanceLaunchSpecification",
  "deprecated" : false,
  "documentation" : "<p>The launch specification.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param launchSpecification The launch specification.\n*/",
  "name" : "LaunchSpecification",
  "setterDocumentation" : "/**\n@param launchSpecification The launch specification.\n*/",
  "setterMethodName" : "setLaunchSpecification",
  "setterModel" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "A launch specification.
    \n    This parameter is required.
    \n    **Important**\n    This parameter is not case sensitive.
    \n    + ``String #NAME?``
    + ``LaunchSpecification``
    + ``null``
    \n    **See also**\n    The launch specification parameter.
    "",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n@param launchSpecification The launch specification.\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
  "variable" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "<p>The launch specification.</p>",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
  }
}
specification.

@return Returns a reference to this object so that method calls can be chained together.*/,

"fluentSetterMethodName" : "withLaunchSpecification",
"getterDocumentation" : "/**<p>The launch specification.</p>\n@return The launch specification.*/",
"getterMethodName" : "getLaunchSpecification",
"getterModel" : {
"returnType" : "ImportInstanceLaunchSpecification",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchSpecification",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchSpecification",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**<p>The launch specification.</p>\n@param launchSpecification The launch specification.*/",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
"variableDeclarationType" : "ImportInstanceLaunchSpecification",
"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "",
"simpleType" : "ImportInstanceLaunchSpecification",
"variableSetterType" : "ImportInstanceLaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The launch specification.</p>\n@param launchSpecification The launch specification.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ImportInstanceLaunchSpecification",
"variableName" : "launchSpecification",
"variableType" : "ImportInstanceLaunchSpecification",
"documentation" : "<p>The launch specification.</p>",

"simpleType" : "ImportInstanceLaunchSpecification",
"variableSetterType" : "ImportInstanceLaunchSpecification"
}
,"xmlNameSpaceUri" : null
},

"c2jName" : "DiskImages",
"c2jShape" : "DiskImageList",
"deprecated" : false,
"documentation" : "<p>The disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The disk image.</p>
@param diskImages The disk image.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDiskImages",
"getterDocumentation" : "/**<p>The disk image.</p>
@return The disk image.*/",
"getterMethodName" : "getDiskImages",
"getterModel" : {
"returnType" : "java.util.List<DiskImage>",
"documentation" : null
}
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DiskImage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "diskImage",
"uri" : false
}
,"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "DiskImage",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",}
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DiskImage",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "DiskImage",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
"templateType" : "java.util.List<DiskImage>
}
},
"map" : false,
"mapModel" : null,
"name" : "DiskImages",
"setterDocumentation" : "/**<p>The disk image.</p>
@param diskImages The disk image.*\*/",
"setterMethodName" : "setDiskImages",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
  "variableName" : "diskImages",
  "variableType" : "java.awt.List<DiskImage>",
  "documentation" : "",
  "simpleType" : "List<DiskImage>",
  "variableSetterType" : "java.util.Collection<DiskImage>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The disk image.</p>
\n@param diskImages The disk image.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
  "variableName" : "diskImages",
  "variableType" : "java.awt.List<DiskImage>",
  "documentation" : "<p>The disk image.</p>",
  "simpleType" : "List<DiskImage>",
  "variableSetterType" : "java.util.Collection<DiskImage>
}
},
"xmlNameSpaceUri" : null
},
{  "c2jName" : "Platform",
  "c2jShape" : "PlatformValues",
  "deprecated" : false,
  "documentation" : "<p>The instance operating system.</p>",
  "enumType" : "PlatformValues",
  "fluentSetterDocumentation" : "/**<p>The instance operating system.</p>
\n@param platform The instance operating system.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<DiskImage>",
    "variableName" : "diskImages",
    "variableType" : "java.awt.List<DiskImage>",
    "documentation" : "<p>The disk image.</p>",
    "simpleType" : "List<DiskImage>",
    "variableSetterType" : "java.util.Collection<DiskImage>
  }
}
null operating system.

@return Returns a reference to this object so that method calls can be chained together.

@see PlatformValues*/

/**<p>The instance operating system.</p>
@return The instance operating system.
@see PlatformValues*/

getterMethodName" : "getPlatform",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Platform",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "platform",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Platform",
 "setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@see PlatformValues*/",
 "setterMethodName" : "setPlatform",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "platform",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@see PlatformValues*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "platform",
 "variableType" : "String",
 "/documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"}
"variableName": "platform",
"variableType": "String",
"documentation": "<p>The instance operating system.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
]
},
"membersAsMap": {
"Description": {
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description for the instance being imported.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>A description for the instance being imported.</p>
@param description A description for the instance being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withDescription",
"getterDocumentation": "/**<p>A description for the instance being imported.</p>
@return A description for the instance being imported.*/",
"getterMethodName": "getDescription",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Description",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "description",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description for the instance being imported.</p>
@param description A description for the instance being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "withDescription",
"setterModel": {
"returnType": "String",
"documentation": null
},
"tokenizer": null,
"type": "com.amazonaws.rds.model.ImportInstanceInputDescription",
"uri": null,
"uriPath": null,
"uriTemplate": null,
"uriVariables": {"clientToken": null,IAMProfileArn": null,Name": null,SourceInstanceName": null,SourceInstancePort": null,SourceInstanceUser": null,SourceInstanceUserPassword": null,SourceInstanceVpcId": null,SourceVpcId": null,TargetEdition": null,TargetInstanceClass": null,TargetInstanceIdentifier": null,TargetInstanceOptionGroupName": null,TargetInstanceOptionGroupMembers": null,TargetInstancePort": null,TargetInstanceUser": null,TargetInstanceUserPassword": null,TargetInstanceVpcId": null,TargetOptionGroupName": null,TargetOptionGroupMembers": null,TargetOptionGroupOptionNames": null,TargetOptionGroupId": null,TargetSourceInstanceClass": null,TargetSourceInstanceIdentifier": null,TargetSourceInstanceOptionGroupName": null,TargetSourceInstanceOptionGroupMembers": null,TargetSourceInstancePort": null,TargetSourceInstanceUser": null,TargetSourceInstanceUserPassword": null,TargetSourceInstanceVpcId": null,TargetSourceRegion": null,TargetSourceSubnetId": null,TargetSourceUsername": null,TargetSourceVpcId": null,TargetSourceVersion": null,TargetSubnetId": null,TargetVpcId": null,TargetUsername": null,TargetVersion": null,TargetZone": null}
}
description for the instance being imported.*/",
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  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>A description for the instance being imported.</p>
  @param
  description A description for the instance being imported.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>A description for the instance being imported.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"DiskImages" : {
  "c2jName" : "DiskImages",
  "c2jShape" : "DiskImageList",
  "deprecated" : false,
  "documentation" : "<p>The disk image.</p>
  @param diskImages The disk image.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "<p>The disk image.</p>
  @param diskImages The disk image.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "<p>The disk image.</p>
  @param diskImages The disk image.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getDiskImages",
  "getterModel" : {
    "returnType" : "java.util.List<DiskImage>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "DiskImage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "diskImage",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "DiskImage",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "DiskImage",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */"},
}
setterMethodName : "setMember",
setterModel : {
  variableDeclarationType : "DiskImage",
  variableName : "member",
  variableType : "DiskImage",
  documentation : "",
  simpleType : "DiskImage",
  variableSetterType : "DiskImage"
},
simple : false,
varargSetterDocumentation : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
variable : {
  variableDeclarationType : "DiskImage",
  variableName : "member",
  variableType : "DiskImage",
  documentation : "",
  simpleType : "DiskImage",
  variableSetterType : "DiskImage"
},
xmlNameSpaceUri : null
},
memberLocationName : null,
memberType : "DiskImage",
map : false,
marshallNonAutoConstructedEmptyLists : false,
memberAdditionalMarshallingPath : null,
memberAdditionalUnmarshallingPath : null,
sendEmptyQueryString : false,
simple : false,
simpleType : "DiskImage",
templateImplType : "com.amazonaws.internal.SdkInternalList<DiskImage>",
templateType : "java.util.List<DiskImage>"
},
map : false,
mapModel : null,
name : "DiskImages",
setterDocumentation : "<p>The disk image.</p>
@param diskImages The disk image.*/",
setterMethodName : "setDiskImages",
setterModel : {
  variableDeclarationType : "com.amazonaws.internal.SdkInternalList<DiskImage>",
  variableName : "diskImages",
  variableType : "java.util.List<DiskImage>",
  documentation : "",
  simpleType : "List<DiskImage>",
  variableSetterType : "java.util.Collection<DiskImage>"
},
simple : false,
`varargSetterDocumentation` : "/**\n<p>The disk image.</p>
\bNOTE:\b This method appends the values to the existing list (if any). Use \{@link #setDiskImages(java.util.Collection)\} or \{@link #withDiskImages(java.util.Collection)\} if you want to override the existing values.\</p>\n@returns\ a reference to this object so that method calls can be chained together.*/",

`variable` : {

`variableDeclarationType` : "com.amazonaws.internal.SdkInternalList<DiskImage>",
`variableName` : "diskImages",
`variableType` : "java.util.List<DiskImage>",
`documentation` : "\<p>The disk image.\</p>\",
`simpleType` : "List<DiskImage>",
`variableSetterType` : "java.util.Collection<DiskImage>"
},
`xmlNameSpaceUri` : null
}

`LaunchSpecification` : {

`c2jName` : "LaunchSpecification",
`c2jShape` : "ImportInstanceLaunchSpecification",
`deprecated` : false,
`documentation` : "\<p>The launch specification.\</p>\",
`enumType` : null,
`fluentSetterDocumentation` : "/**\n\<p>The launch specification.\</p>\n@returns\ a reference to this object so that method calls can be chained together.*/",
`fluentSetterMethodName` : "withLaunchSpecification",
`getterDocumentation` : "/**\n\<p>The launch specification.\</p>\n@returns\ The launch specification.*/",
`getterMethodName` : "getLaunchSpecification",
`getterModel` : {

`returnType` : "ImportInstanceLaunchSpecification",
`documentation` : null
},
`http` : {

`additionalMarshallingPath` : null,
`additionalUnmarshallingPath` : null,
`flattened` : false,
`greedy` : false,
`header` : false,
`isPayload` : false,
`isStreaming` : false,
`location` : null,
`marshallLocationName` : "LaunchSpecification",
`queryString` : false,
`statusCode` : false,
`unmarshallLocationName` : "launchSpecification",
`uri` : false
},
`idempotencyToken` : false,
`list` : false,
`listModel` : null,
`map` : false,
"mapModel": null,
"name": "LaunchSpecification",
"setterDocumentation": "/**\n<p>The launch specification.</p>\n@param launchSpecification The launch specification.*/",
"setterMethodName": "setLaunchSpecification",
"setterModel": {
  "variableDeclarationType": "ImportInstanceLaunchSpecification",
  "variableName": "launchSpecification",
  "variableType": "ImportInstanceLaunchSpecification",
  "documentation": "",
  "simpleType": "ImportInstanceLaunchSpecification",
  "variableSetterType": "ImportInstanceLaunchSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The launch specification.</p>\n@param launchSpecification The launch specification.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ImportInstanceLaunchSpecification",
  "variableName": "launchSpecification",
  "variableType": "ImportInstanceLaunchSpecification",
  "documentation": "<p>The launch specification.</p>",
  "simpleType": "ImportInstanceLaunchSpecification",
  "variableSetterType": "ImportInstanceLaunchSpecification"
},
"xmlNameSpaceUri": null
},
"Platform": {
  "c2jName": "Platform",
  "c2jShape": "PlatformValues",
  "deprecated": false,
  "documentation": "<p>The instance operating system.</p>",
  "enumType": "PlatformValues",
  "fluentSetterDocumentation": "/**\n<p>The instance operating system.</p>\n@param platform The instance operating system.\n@return Returns a reference to this object so that method calls can be chained together.\n@see PlatformValues*/",
  "fluentSetterMethodName": "withPlatform",
  "getterDocumentation": "/**\n<p>The instance operating system.</p>\n@return The instance operating system.\n@see PlatformValues*/",
  "getterMethodName": "getPlatform",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.</param>
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The instance operating system.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Platform" ],
"shapeName" : "ImportInstanceRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"variableDeclarationType" : "ImportInstanceRequest",
"variableName" : "importInstanceRequest",
"variableType" : "ImportInstanceRequest",
"documentation" : null,
"simpleType" : "ImportInstanceRequest",
"variableSetterType" : "ImportInstanceRequest"
},
"wrapper" : false
},
"ImportInstanceResult" : {
"c2jName" : "ImportInstanceResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "\<p>Contains the output for ImportInstance.\</p>\",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "ConversionTask",
"c2jShape" : "ConversionTask",
"deprecated" : false,
"documentation" : "\<p>Information about the conversion task.\</p>\",
"enumType" : null,
"fluentSetterDocumentation" : "\/*\<p>Information about the conversion task.\</p>\*/\n@\param conversionTask Information about the conversion task.\n\@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withConversionTask",
"getterDocumentation" : "\/*\<p>Information about the conversion task.\</p>\*/\n@\return Information about the conversion task.\*/",
"getterMethodName" : "getConversionTask",
"getterModel" : {
"returnType" : "ConversionTask",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ConversionTask",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "conversionTask",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTask",
"setterDocumentation" : "/**\n*p>Information about the conversion task.</p>\n@param conversionTask

Information about the conversion task.*/",
"setterMethodName" : "setConversionTask",
"setterModel" : {
  "variableDeclarationType" : "ConversionTask",
  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*p>Information about the conversion task.</p>\n@param conversionTask

Information about the conversion task.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "variableDeclarationType" : "ConversionTask",
  "variableName" : "conversionTask",
  "variableType" : "ConversionTask",
  "documentation" : "<p>Information about the conversion task.</p>",
  "simpleType" : "ConversionTask",
  "variableSetterType" : "ConversionTask"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "ConversionTask" : {
    "c2jName" : "ConversionTask",
    "c2jShape" : "ConversionTask",
    "deprecated" : false,
    "documentation" : "<p>Information about the conversion task.</p>",
    "enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the conversion task.</p>
@param conversionTask
Information about the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.*\"",
"fluentSetterMethodName" : "withConversionTask",
"getterDocumentation" : "/**<p>Information about the conversion task.</p>
@return Information about the conversion task.*/",
"getterMethodName" : "getConversionTask",
"getterModel" : {
 "returnType" : "ConversionTask",
 "documentation" : null
},
"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ConversionTask",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "conversionTask",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ConversionTask",
"setterDocumentation" : "/**<p>Information about the conversion task.</p>
@param conversionTask
Information about the conversion task.*/",
"setterMethodName" : "setConversionTask",
"setterModel" : {
 "variableDeclarationType" : "ConversionTask",
 "variableName" : "conversionTask",
 "variableType" : "ConversionTask",
 "documentation" : "",
 "simpleType" : "ConversionTask",
 "variableSetterType" : "ConversionTask"
},
"simple" : false,
"varrgSetterDocumentation" : "/**<p>Information about the conversion task.</p>
@param conversionTask
Information about the conversion task.\n@return Returns a reference to this object so that method calls can be chained together.*\"",
"variable" : {
"variableDeclarationType" : "ConversionTask",
"variableName" : "conversionTask",
"variableType" : "ConversionTask",
"documentation" : "<p>Information about the conversion task.</p>",
"simpleType" : "ConversionTask",
"variableSetterType" : "ConversionTask"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ImportInstanceResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ImportInstanceResult",
  "variableName" : "importInstanceResult",
  "variableType" : "ImportInstanceResult",
  "documentation" : null,
  "simpleType" : "ImportInstanceResult",
  "variableSetterType" : "ImportInstanceResult"
},
"wrapper" : false
}
",
"ImportInstanceTaskDetails" : {
  "c2jName" : "ImportInstanceTaskDetails",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an import instance task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : []
  "c2jName" : "Volumes",
  "c2jShape" : "ImportInstanceVolumeDetailSet",
  "variableDeclarationType" : "ImportInstanceResult",
  "variableName" : "importInstanceResult",
  "variableType" : "ImportInstanceResult",
  "documentation" : null,
  "simpleType" : "ImportInstanceResult",
  "variableSetterType" : "ImportInstanceResult"
},
"wrapper" : false
}
",
"ImportInstanceTaskDetails" : {
  "c2jName" : "ImportInstanceTaskDetails",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an import instance task.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImportInstanceVolumeDetailItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
"templateType" : "java.util.List<ImportInstanceVolumeDetailItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Volumes",
"setterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
"variableName" : "volumes",
"variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
"documentation" : "",
"simpleType" : "List<ImportInstanceVolumeDetailItem>",
"variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.
@NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setVolumes(java.util.Collection)} or { @link 
#withVolumes(java.util.Collection)} if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
"variableName" : "volumes",
"variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
"documentation" : "<p>One or more volumes.</p>",
"simpleType" : "List<ImportInstanceVolumeDetailItem>",
"variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "instanceId",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceId",
"setterDocumentation": "/**\n  * The ID of the instance.
  * @param instanceId The ID of the instance.
  *\n  * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n  * The ID of the instance.
  * @param instanceId The ID of the instance.
  * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of the instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Platform",
"c2jShape": "PlatformValues",
"deprecated": false,
"documentation" : "<p>The instance operating system.</p>",
"enumType" : "PlatformValues",
"fluentSetterDocumentation" : "/**<p>The instance operating system.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The instance operating system.</p>
@return The instance operating system.
@see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/"
PlatformValues*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "platform",
    "variableType" : "String",
    "documentation" : "&lt;p&gt;The instance operating system.&lt;/p&gt;",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;A description of the task.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;A description of the task.&lt;/p&gt;\n@param description A description of the task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**&lt;p&gt;A description of the task.&lt;/p&gt;\n@returns A description of the task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**&lt;p&gt;A description of the task.&lt;/p&gt;\n@returns A description of the task.*/"
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the task.</p>
@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description of the task.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the task.</p>
@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the task.</p>
@return A description of the task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n * A description of the task.<\n * @param description A description of the task.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * A description of the task.<\n * @param description A description of the task.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "A description of the task.<\n * @param instanceId The ID of the instance.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**\n * The ID of the instance.<\n * @return The ID of the instance.*\n * @param instanceId The ID of the instance.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {"returnType" : "String",
  "xmlNameSpaceUri" : null
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"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the instance.<\n * @return The ID of the instance.*\n * @param instanceId The ID of the instance.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**\n * The ID of the instance.<\n * @param instanceId The ID of the instance.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**\n * The ID of the instance.<\n * @return The ID of the instance.*\n * @param instanceId The ID of the instance.<\n * @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {"returnType" : "String",
"c2jShape" : "PlatformValues",
"deprecated" : false,
"documentation" : "<p>The instance operating system.</p>",
"enumType" : "PlatformValues",
"fluentSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The instance operating system.</p>
@return The instance operating system.
@see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "Platform",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "platform",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return The instance operating system.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
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  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance operating system.</p>
@param platform The instance operating system.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : ":<p>The instance operating system.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"Volumes" : {
  "c2jName" : "Volumes",
  "c2jShape" : "ImportInstanceVolumeDetailSet",
  "deprecated" : false,
  "documentation" : ":<p>One or more volumes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVolumes",
  "getterDocumentation" : "/**<p>One or more volumes.</p>
@return One or more volumes.*/",
  "getterMethodName" : "getVolumes",
  "getterModel" : {
    "returnType" : "java.util.List<ImportInstanceVolumeDetailItem>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Volumes",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumes",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List"}
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "ImportInstanceVolumeDetailItem",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "ImportInstanceVolumeDetailItem",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "ImportInstanceVolumeDetailItem",
    "variableName" : "member",
    "variableType" : "ImportInstanceVolumeDetailItem",
    "documentation" : "",
    "simpleType" : "ImportInstanceVolumeDetailItem",
    "variableSetterType" : "ImportInstanceVolumeDetailItem"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ImportInstanceVolumeDetailItem",
  "variableName" : "member",
  "variableType" : "ImportInstanceVolumeDetailItem",
  "documentation" : "",
  "simpleType" : "ImportInstanceVolumeDetailItem",
  "variableSetterType" : "ImportInstanceVolumeDetailItem"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ImportInstanceVolumeDetailItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ImportInstanceVolumeDetailItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
"templateType" : "java.util.List<ImportInstanceVolumeDetailItem>"
},
"map" : false,
"mapModel" : null,
"name" : "Volumes",
"setterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.*/",
"setterMethodName" : "setVolumes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "",
  "simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more volumes.</p>
@param volumes One or more volumes.*/

NOTE: This method appends the values to the existing list (if any). Use { @link #setVolumes(java.util.Collection)} or { @link #withVolumes(java.util.Collection)} if you want to override the existing values.*/

\n\n@returns Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ImportInstanceVolumeDetailItem>",
  "variableName" : "volumes",
  "variableType" : "java.util.List<ImportInstanceVolumeDetailItem>",
  "documentation" : "",
  "simpleType" : "List<ImportInstanceVolumeDetailItem>",
  "variableSetterType" : "java.util.Collection<ImportInstanceVolumeDetailItem>"
"artifactResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes an import volume task.<p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "BytesConverted",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "The number of bytes converted so far.<p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/"],
"fluentSetterMethodName" : "withBytesConverted",
"getterDocumentation" : "/**<p>The number of bytes converted so far.</p>@return The number of bytes converted so far.*/",
"getterMethodName" : "getBytesConverted",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
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"http" : {
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BytesConverted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "bytesConverted",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BytesConverted",
"setterDocumentation" : "/**<p>The number of bytes converted so far.</p>@param bytesConverted The number of bytes converted so far.*/",
"setterMethodName" : "setBytesConverted",
"setterModel" : {
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  "variableName" : "bytesConverted",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>@param bytesConverted The number of bytes converted so far.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "bytesConverted",
  "variableType" : "Long"}
"variableName": "availabilityZone",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The Availability Zone where the resulting instance will reside.\n* @param availabilityZone The Availability Zone where the resulting instance will reside.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "availabilityZone",
"variableType": "String",
"documentation": "The Availability Zone where the resulting instance will reside.\n* @param image The image.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation": "/**\n* The image.\n* @param image The image.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImage",
"getterDocumentation": "/**\n* The image.\n* @return The image.*/",
"getterMethodName": "getImage",
"getterModel": {
"returnType": "DiskImageDescription",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Image",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "image",
"url": false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Image",
"setterDocumentation": "/**<p>The image.</p>
@param image The image.*/",
"setterMethodName": "setImage",
"setterModel": {
  "variableDeclarationType": "DiskImageDescription",
  "variableName": "image",
  "variableType": "DiskImageDescription",
  "documentation": "",
  "simpleType": "DiskImageDescription",
  "variableSetterType": "DiskImageDescription"
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"simple": false,
"varargSetterDocumentation": "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "DiskImageDescription",
  "variableName": "image",
  "variableType": "DiskImageDescription",
  "documentation": "p The image.

  "simpleType": "DiskImageDescription",
  "variableSetterType": "DiskImageDescription"
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"xmlNameSpaceUri": null
},
"c2jName": "Volume",
"c2jShape": "DiskImageVolumeDescription",
"deprecated": false,
"documentation": "<p>The volume.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The volume.</p>
@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolume",
"getterDocumentation": "/**<p>The volume.</p>
@Return The volume.*/",
"getterMethodName": "getVolume",
"getterModel": {
  "returnType": "DiskImageVolumeDescription",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volume",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Volume",
"setterDocumentation" : "/**<p>The volume.</p>
@param volume The volume.*/",
"setterMethodName" : "setVolume",
"setterModel" : {
  "variableDeclarationType" : "DiskImageVolumeDescription",
  "variableName" : "volume",
  "variableType" : "DiskImageVolumeDescription",
  "documentation" : "",
  "simpleType" : "DiskImageVolumeDescription",
  "variableSetterType" : "DiskImageVolumeDescription"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The volume.</p>
@param volume The volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "volume",
  "variableType" : "DiskImageVolumeDescription",
  "documentation" : "<p>The volume.</p>",
  "simpleType" : "DiskImageVolumeDescription",
  "variableSetterType" : "DiskImageVolumeDescription"
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"xmlNameSpaceUri" : null
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  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status of the import of this particular disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status of the import of this particular disk image.</p>
@param status The status of the import of this particular disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**\n* The status of the import of this particular disk image.\n*\n* @return The status of the import of this particular disk image.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n* The status of the import of this particular disk image.\n*\n* @param status The status of the import of this particular disk image.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The status of the import of this particular disk image.\n*\n* @param status The status of the import of this particular disk image.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String"}
"documentation": "The status of the import of this particular disk image.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"c2jName": "StatusMessage",
"c2jShape": "String",
"deprecated": false,
"documentation": "The status information or errors related to the disk image.",
"enumType": null,
"fluentSetterDocumentation": "The status information or errors related to the disk image.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "withStatusMessage",
"getterDocumentation": "The status information or errors related to the disk image.
@returns The status information or errors related to the disk image.",
"getterMethodName": "getStatusMessage",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StatusMessage",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "statusMessage",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "The status information or errors related to the disk image.
@returns The status information or errors related to the disk image.",
"setterMethodName": "setStatusMessage",
"setterModel": {
"variableDeclarationType": "String"
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status information or errors related to the disk image.</p>
@param statusMessage The status information or errors related to the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "statusMessage",
    "variableType" : "String",
    "documentation" : "A description of the task.

@param description A description of the task.

@return Returns a reference to this object so that method calls can be chained together.*/",
"description" : "A description of the task.

@return A description of the task.

*/",

"getterDocumentation" : "/**<p>A description of the task.</p>

@param description A description of the task.

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "availabilityZone",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**\n* The Availability Zone where the resulting instance will reside.
* @param availabilityZone The Availability Zone where the resulting instance will reside.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "availabilityZone",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The Availability Zone where the resulting instance will reside.
* @param availabilityZone The Availability Zone where the resulting instance will reside.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "availabilityZone",
  "variableType": "String",
  "documentation": "The Availability Zone where the resulting instance will reside."
},
"xmlNameSpaceUri": null
},
"BytesConverted": {
"c2jName" : "BytesConverted",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The number of bytes converted so far.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted
The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBytesConverted",
"getterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@return The number of bytes converted so far.*/",
"getterMethodName" : "getBytesConverted",
"getterModel" : {
"returnType" : "Long",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BytesConverted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bytesConverted",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BytesConverted",
"setterDocumentation" : "/**<p>The number of bytes converted so far.</p>
@param bytesConverted
The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBytesConverted",
"setterModel" : {
"variableDeclarationType" : "Long",
"variableName" : "bytesConverted",
"variableType" : "Long",
"documentation" : "",
"simpleType" : "Long",
"variableSetterType" : "Long"
}
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The number of bytes converted so far.</p>\n@param bytesConverted
The number of bytes converted so far.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "bytes Converted",
"variableType" : "Long",
"documentation" : "<p>The number of bytes converted so far.</p>",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null,
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>A description of the task.</p>\n@param description A description of the task.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**\n<p>A description of the task.</p>\n@return A description of the task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the task.</p>@param description A description of the task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the task.</p>@param description A description of the task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the task.</p>
  ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Image" : {
  "c2jName" : "Image",
  "c2jShape" : "DiskImageDescription",
  "deprecated" : false,
  "documentation" : "<p>The image.</p>
  ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The image.</p>@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImage",
  "getterDocumentation" : "/**<p>The image.</p>@return The image.</p>
  ",
  "getterMethodName" : "getImage",
  "getterModel" : {
    "returnType" : "DiskImageDescription",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Image",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "image",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>The image.</p>
@param image The image.*/",
"setterMethodName" : "setImage",
"setterModel" : {
  "variableDeclarationType" : "DiskImageDescription",
  "variableName" : "image",
  "variableType" : "DiskImageDescription",
  "documentation" : "",
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "DiskImageDescription",
  "variableName" : "image",
  "variableType" : "DiskImageDescription",
  "documentation" : "<p>The image.</p>",
  "simpleType" : "DiskImageDescription",
  "variableSetterType" : "DiskImageDescription"
},
"xmlNamespaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The status of the import of this particular disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The status of the import of this particular disk image.</p>
@param status The status of the import of this particular disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The status of the import of this particular disk image.</p>

status of the import of this particular disk image.*/*",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "The status of the import of this particular disk image.\n@param status The status of the import of this particular disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The status of the import of this particular disk image.\n@param status The status of the import of this particular disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status information or errors related to the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status information or errors related to the disk image.</p>
@param statusMessage The status information or errors related to the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>The status information or errors related to the disk image.</p>
@return The status information or errors related to the disk image.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The status information or errors related to the disk image.</p>
@param statusMessage The status information or errors related to the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage"
**class** Volume

```java
public class Volume {

    private String statusMessage;

    public String getStatusMessage() {
        return statusMessage;
    }

    public void setStatusMessage(String statusMessage) {
        this.statusMessage = statusMessage;
    }

    // Other methods...
}
```

**JavaDoc**

```java
/**
 * The status information or errors related to the disk image.
 * @param statusMessage The status information or errors related to the disk image.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**Returned by**

```java
getVolume()
```

**Marshalling and Unmarshalling**

```java
marshallLocationName = "Volume"
```

**HTTP**

```java
@Header(name="Volume")
```

**Additional Marshalling/Unmarshalling**

```java
additionalMarshallingPath = null
additionalUnmarshallingPath = null
```
{ "idempotencyToken": false, "list": false, "listModel": null, "map": false, "mapModel": null, "name": "Volume", "setterDocumentation": "/**\n<p>The volume.</p>\n@param volume The volume.*/", "setterMethodName": "setVolume", "setterModel": { "variableDeclarationType": "DiskImageVolumeDescription", "variableName": "volume", "variableType": "DiskImageVolumeDescription", "documentation": "", "simpleType": "DiskImageVolumeDescription", "variableSetterType": "DiskImageVolumeDescription" }, "simple": false, "varargSetterDocumentation": "/**\n<p>The volume.</p>\n@param volume The volume.\n@return Returns a reference to this object so that method calls can be chained together.*/", "variable": { "variableDeclarationType": "DiskImageVolumeDescription", "variableName": "volume", "variableType": "DiskImageVolumeDescription", "documentation": ", "simpleType": "DiskImageVolumeDescription", "variableSetterType": "DiskImageVolumeDescription" }, "variableNameSpaceUri": null }, "requestSignerAware": false, "requestSignerClassFqcn": null, "required": [ "BytesConverted", "AvailabilityZone", "Image", "Volume", "Status" ], "shapeName": "ImportInstanceVolumeDetailItem", "unmarshaller": { "flattened": false, "resultWrapper": null }, "variable": { "variableDeclarationType": "ImportInstanceVolumeDetailItem", "variableName": "importInstanceVolumeDetailItem", "variableType": "ImportInstanceVolumeDetailItem", "documentation": null, "simpleType": "ImportInstanceVolumeDetailItem", "variableSetterType": "ImportInstanceVolumeDetailItem" }, "wrapper": false}
"ImportKeyPairRequest" : {
  "c2jName" : "ImportKeyPairRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ImportKeyPair.\</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ImportKeyPair",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "KeyName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A unique name for the key pair.\</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * A unique name for the key pair.\n     * @param keyName A unique name for the key pair.\n     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyName",
    "getterDocumentation" : "/**\n     * A unique name for the key pair.\n     * @return A unique name for the key pair.\n     */",
    "getterMethodName" : "getKeyName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>A unique name for the key pair.</p>\n@param keyName A unique name for the key pair.*\*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique name for the key pair.</p>\n@param keyName A unique name for the key pair.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "<p>A unique name for the key pair.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PublicKeyMaterial",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>\n@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName": "withPublicKeyMaterial",
"getterDocumentation": "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>\n@returns The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.*/",
"getterMethodName": "getPublicKeyMaterial",
"getterModel": {
   "returnType": "String",
   "documentation": null
},
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocationName": "PublicKeyMaterial",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "publicKeyMaterial",
   "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicKeyMaterial",
"setterDocumentation": "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>\n@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPublicKeyMaterial",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "publicKeyMaterial",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>\n@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType" : "String",
"variableName" : "publicKeyMaterial",
"variableType" : "String",
"documentation" : "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
"membersAsMap" : {
 "KeyName" : {
 "c2jName" : "KeyName",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>A unique name for the key pair.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>A unique name for the key pair.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withKeyName",
 "getterDocumentation" : "/**<p>A unique name for the key pair.</p>@return A unique name for the key pair.*/",
 "getterMethodName" : "getKeyName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "KeyName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "keyName",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "KeyName"
"setterDocumentation" : "/**<p>A unique name for the key pair.</p>
@param keyName A unique name for the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique name for the key pair.</p>
@param keyName A unique name for the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyName",
    "variableType" : "String",
    "documentation" : "<p>A unique name for the key pair.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicKeyMaterial" : {
    "c2jName" : "PublicKeyMaterial",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicKeyMaterial",
    "getterDocumentation" : "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@return The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
    "getterMethodName" : "getPublicKeyMaterial",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "httpMethodName" : null,
        "httpModel" : null
    }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicKeyMaterial",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicKeyMaterial",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicKeyMaterial",
"setterDocumentation" : "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.*/",
"setterMethodName" : "setPublicKeyMaterial",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicKeyMaterial",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>
@param publicKeyMaterial The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicKeyMaterial",
  "variableType" : "String",
  "documentation" : "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"required" : [ "KeyName", "PublicKeyMaterial" ],
"shapeName" : "ImportKeyPairRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ImportKeyPairRequest",
  "variableName" : "importKeyPairRequest",
  "variableType" : "ImportKeyPairRequest",
  "documentation" : null,
  "simpleType" : "ImportKeyPairRequest",
  "variableSetterType" : "ImportKeyPairRequest"
},
"wrapper" : false
},
"ImportKeyPairResult" : {
  "c2jName" : "ImportKeyPairResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the output of ImportKeyPair.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "KeyName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The key pair name you provided.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The key pair name you provided.
\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "withKeyName",
    "getterDocumentation" : "The key pair name you provided.
\n@return The key pair name you provided.
\n@type String
\n@returns returns String
\n@return Returns a reference to this object so that method calls can be chained together.",
    "getterMethodAndType" : "getKeyPair",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null
    }
  }]
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**\n* The key pair name you provided.\n\n@param keyName The key pair name you provided.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param keyFingerprint The MD5 public key fingerprint as specified in section 4 of RFC 4716. 
@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together.* /",
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@return Returns a reference to this object so that method calls can be chained together.*/", "fluentSetterMethodName": "withDiskContainer", "getterDocumentation": "/**<p>Information about the disk container.</p>
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"varargSetterDocumentation" : "/**<p>Token to enable idempotency for VM import requests.</p>
@param
clientToken Token to enable idempotency for VM import requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>Token to enable idempotency for VM import requests.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description string for the import snapshot task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The description string for the import snapshot task.</p>
@param
description The description string for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>The description string for the import snapshot task.</p>
@return The description string for the import snapshot task.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String"}
"documentation" : null,
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**
  * The description string for the import snapshot task.
  *
  * @param description
  * The description string for the import snapshot task.
  * @return Returns a reference to this object so that method calls can be chained together.
  */",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
  * The description string for the import snapshot task.
  *
  * @param description
  * The description string for the import snapshot task.
  * @return Returns a reference to this object so that method calls can be chained together.
  */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DiskContainer" : {
  "c2jName" : "DiskContainer",
  "c2jShape" : "SnapshotDiskContainer",
  "deprecated" : false,
  "documentation" : "Information about the disk container.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Information about the disk container.
  \n  @param diskContainer
  Information about the disk container.
  \n  @return Returns a reference to this object so that method calls can be
  chained together.
  ",
  "fluentSetterMethodName" : "withDiskContainer",
  "getterDocumentation" : "Information about the disk container.
  \n  @return Information about the disk container.
  ",
  "getterMethodName" : "getDiskContainer",
  "getterModel" : {
    "returnType" : "SnapshotDiskContainer",
    "documentation" : null
  },
  "http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "DiskContainer",
  "setterDocumentation" : "Information about the disk container.
  \n  @param diskContainer
  Information about the disk container.
  ",
  "setterMethodName" : "setDiskContainer",
  "setterModel" : {
    "variableDeclarationType" : "SnapshotDiskContainer",
    "variableName" : "diskContainer",
    "variableType" : "SnapshotDiskContainer",
    "documentation" : ",
    "simpleType" : "SnapshotDiskContainer",
    "variableSetterType" : "SnapshotDiskContainer"}
Information about the disk container.

@return Returns a reference to this object so that method calls can be chained together.

**variable**:

- **variableDeclarationType**: "SnapshotDiskContainer"
- **variableName**: "diskContainer"
- **variableType**: "SnapshotDiskContainer"
- **documentation**: "Information about the disk container."
- **simpleType**: "SnapshotDiskContainer"

**RoleName**:

- **c2jName**: "RoleName"
- **c2jShape**: "String"
- **deprecated**: false
- **documentation**: "The name of the role to use when not using the default role, 'vmimport'."
- **enumType**: null
- **fluentSetterDocumentation**: "The name of the role to use when not using the default role, 'vmimport'. Returns a reference to this object so that method calls can be chained together.

  @param roleName The name of the role to use when not using the default role, 'vmimport'.

  @return The name of the role to use when not using the default role, 'vmimport'.

  **getterDocumentation**: "The name of the role to use when not using the default role, 'vmimport'."

  **getMethod**: "getRoleName"

  **getterModel**: {
    "returnType": "String",
    "documentation": null
  }

  **http**: {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "RoleName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "RoleName",
    "uri": false
  }

  **idempotencyToken**: false
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
"setterMethodName" : "setRoleName",
"setterModel" : {
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  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@<p>@param roleName The name of the role to use when not using the default role, 'vmimport'.@<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "The name of the role to use when not using the default role, 'vmimport'.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassName" : null,
"required" : null,
"shapeName" : "ImportSnapshotRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ImportSnapshotRequest",
  "variableName" : "importSnapshotRequest",
  "variableType" : "ImportSnapshotRequest",
  "documentation" : null,
  "simpleType" : "ImportSnapshotRequest",
  "variableSetterType" : "ImportSnapshotRequest"
},
"wrapper" : false,
"ImportSnapshotResult" : {
  "c2jName" : "ImportSnapshotResult",

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
"setterMethodName" : "setRoleName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@<p>@param roleName The name of the role to use when not using the default role, 'vmimport'.@<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The name of the role to use when not using the default role, 'vmimport'.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassName" : null,
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  "documentation" : null,
  "simpleType" : "ImportSnapshotRequest",
  "variableSetterType" : "ImportSnapshotRequest"
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"wrapper" : false,
"ImportSnapshotResult" : {
  "c2jName" : "ImportSnapshotResult",

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
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"setterModel" : {
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  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@<p>@param roleName The name of the role to use when not using the default role, 'vmimport'.@<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "The name of the role to use when not using the default role, 'vmimport'.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassName" : null,
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  "documentation" : null,
  "simpleType" : "ImportSnapshotRequest",
  "variableSetterType" : "ImportSnapshotRequest"
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"ImportSnapshotResult" : {
  "c2jName" : "ImportSnapshotResult",

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RoleName",
"setterDocumentation" : "/**<p>The name of the role to use when not using the default role, 'vmimport'.

@param roleName The name of the role to use when not using the default role, 'vmimport'.*/",
"setterMethodName" : "setRoleName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output for ImportSnapshot.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ImportTaskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the import snapshot task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@importTaskId The ID of the import snapshot task.<p>
@get@<p>
@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImportTaskId",
  "getterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@importTaskId The ID of the import snapshot task.<p>
@returns The ID of the import snapshot task.*",
  "getterMethodName" : "getImportTaskId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "ImportTaskId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importTaskId",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**\n@param importTaskId The ID of the import snapshot task.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param importTaskId The ID of the import snapshot task.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "The ID of the import snapshot task.

The ID of the import snapshot task.

@returns Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "The ID of the import snapshot task.

The ID of the import snapshot task.

@returns Returns a reference to this object so that method calls can be chained together.*/
  }
},
"xmlNameSpaceUri" : null
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotTaskDetail",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotTaskDetail",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotTaskDetail",
"setterDocumentation" : "/**<p>Information about the import snapshot task.</p>
@param snapshotTaskDetail Information about the import snapshot task.*/",
"setterMethodName" : "setSnapshotTaskDetail",
"setterModel" : {

"variableDeclarationType" : "SnapshotTaskDetail",
"variableName" : "snapshotTaskDetail",
"variableType" : "SnapshotTaskDetail",
"documentation" : "",
"simpleType" : "SnapshotTaskDetail",
"variableSetterType" : "SnapshotTaskDetail"
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the import snapshot task.</p>
@param snapshotTaskDetail Information about the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

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"variableName" : "snapshotTaskDetail",
"variableType" : "SnapshotTaskDetail",
"documentation" : "<p>Information about the import snapshot task.</p>
"simpleType" : "SnapshotTaskDetail",
"variableSetterType" : "SnapshotTaskDetail"
}
"xmlNameSpaceUri" : null
",
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the import snapshot task.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the import snapshot task.\n@\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the import snapshot task.\n@\n@return A description of the import snapshot task.*\n*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
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"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the import snapshot task.\n@\n@param description A description of the import snapshot task.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/"
"variable": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description of the import snapshot task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"membersAsMap": {
  "Description": {
    "c2jName": "Description",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>A description of the import snapshot task.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName": "withDescription",
    "getterDocumentation": "/**<p>A description of the import snapshot task.</p>
@return A description of the import snapshot task.*/",
    "getterMethodName": "getDescription",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Description",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "description",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : ",",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "description",
   "variableType" : "String",
   "documentation" : "</p></p>
,"simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ImportTaskId" : {
   "c2jName" : "ImportTaskId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "</p></p> The ID of the import snapshot task.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withImportTaskId",
   "getterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@return The ID of the import snapshot task.*/",
   "getterMethodName" : "getImportTaskId",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : /**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
*/
.setterMethodname" : "setImportTaskId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task
@return Returns a reference to this object so that method calls can be chained together.
*/
,"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SnapshotTaskDetail" : {
    "c2jName" : "SnapshotTaskDetail",
    "c2jShape" : "SnapshotTaskDetail",
    "deprecated" : false,
    "documentation" : "<p>Information about the import snapshot task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /**<p>Information about the import snapshot task.</p>
@returns Returns a reference to this object so that method calls can be chained together.
*/
,"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "<p>Information about the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
snapshotTaskDetail Information about the import snapshot task.

@fluentSetterMethodName "withSnapshotTaskDetail",
@getterDocumentation "/**\n<p>Information about the import snapshot task.</p>\n@return Information about the import snapshot task.*/",
@getterMethodName "getSnapshotTaskDetail",
@getterModel {
   @returnType "SnapshotTaskDetail",
   @documentation null
},
@http {
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   @additionalUnmarshallingPath null,
   @flattened false,
   @greedy false,
   @header false,
   @isPayload false,
   @isStreaming false,
   @location null,
   @marshallLocationName "SnapshotTaskDetail",
   @queryString false,
   @statusCode false,
   @unmarshallLocationName "snapshotTaskDetail",
   @uri false
},
@idempotencyToken false,
@list false,
@listModel null,
@map false,
@mapModel null,
@name "SnapshotTaskDetail",
@setterDocumentation "/**\n<p>Information about the import snapshot task.</p>\n@param snapshotTaskDetail Information about the import snapshot task.*/",
@setterMethodName "setSnapshotTaskDetail",
@setterModel {
   @variableDeclarationType "SnapshotTaskDetail",
   @variableName "snapshotTaskDetail",
   @variableType "SnapshotTaskDetail",
   @documentation "",
   @simpleType "SnapshotTaskDetail",
   @variableSetterType "SnapshotTaskDetail"
},
@simple false,
@varargSetterDocumentation "/**\n<p>Information about the import snapshot task.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
@variable {
   @variableDeclarationType "SnapshotTaskDetail",
   @returnType null,
   @documentation null
}
"variableName" : "snapshotTaskDetail",
"variableType" : "SnapshotTaskDetail",
"documentation" : "Information about the import snapshot task."
"simpleType" : "SnapshotTaskDetail",
"variableSetterType" : "SnapshotTaskDetail"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ImportSnapshotResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ImportSnapshotResult",
"variableName" : "importSnapshotResult",
"variableType" : "ImportSnapshotResult",
"documentation" : null,
"simpleType" : "ImportSnapshotResult",
"variableSetterType" : "ImportSnapshotResult"
},
"wrapper" : false
},
"ImportSnapshotTask" : {
"c2jName" : "ImportSnapshotTask",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes an import snapshot task.
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "ImportTaskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the import snapshot task.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImportTaskId",
"getterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@return The ID of the import snapshot task.*/",
"getterMethodName" : "getImportTaskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImportTaskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "importTaskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImportTaskId",
"setterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImportTaskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "importTaskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>
@param importTaskId The ID of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/"
together.*="/",
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    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
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  "c2jShape" : "SnapshotTaskDetail",
  "deprecated" : false,
  "documentation" : "<p>Describes an import snapshot task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Describes an import snapshot task.</p>
  @param snapshotTaskDetail
  Describes an import snapshot task.
  @return Returns a reference to this object so that method calls can be chained
together.*="/",
  "fluentSetterMethodName" : "withSnapshotTaskDetail",
  "getterDocumentation" : "/**<p>Describes an import snapshot task.</p>
  @return Describes an import
  snapshot task.*="/",
  "getterMethodName" : "getSnapshotTaskDetail",
  "getterModel" : {
    "returnType" : "SnapshotTaskDetail",
    "documentation" : null
  },
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    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatlened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SnapshotTaskDetail",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "snapshotTaskDetail",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SnapshotTaskDetail",
"}
**setterDocumentation** : "**Describes an import snapshot task.**\n\n@param snapshotTaskDetail Describes an import snapshot task. */",

**setterMethodName** : "setSnapshotTaskDetail",

**setterModel** : {
  **variableDeclarationType** : "SnapshotTaskDetail",
  **variableName** : "snapshotTaskDetail",
  **variableType** : "SnapshotTaskDetail",
  **documentation** : "",
  **simpleType** : "SnapshotTaskDetail",
  **variableSetterType** : "SnapshotTaskDetail"
},

**simple** : false,

**varargSetterDocumentation** : "**Describes an import snapshot task.**\n\n@param snapshotTaskDetail Describes an import snapshot task.\n\n@return Returns a reference to this object so that method calls can be chained together. */",

**variable** : {
  **variableDeclarationType** : "SnapshotTaskDetail",
  **variableName** : "snapshotTaskDetail",
  **variableType** : "SnapshotTaskDetail",
  **documentation** : "Describes an import snapshot task.\n\n@return Returns a reference to this object so that method calls can be chained together. */",

  **xmlNameSpaceUri** : null
},

**c2jName** : "Description",

**c2jShape** : "String",

**deprecated** : false,

**documentation** : "A description of the import snapshot task.\n\n@return A description of the import snapshot task. */",

**enumType** : null,

**fluentSetterDocumentation** : "**A description of the import snapshot task.**\n\n@param description A description of the import snapshot task.\n\n@return Returns a reference to this object so that method calls can be chained together. */",

**fluentSetterMethodName** : "withDescription",

**getterDocumentation** : "**A description of the import snapshot task.**\n\n@return A description of the import snapshot task. */",

**getterMethodName** : "getDescription",

**getterModel** : {
  **returnType** : "String",
  **documentation** : null
},

**http** : {
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  **additionalUnmarshallingPath** : null,
  **flattened** : false,
  **greedy** : false,
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  **isPayload** : false,
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"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description of the import snapshot task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description of the import snapshot task.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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      "variableType" : "String",
      "documentation" : "<p>A description of the import snapshot task.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  },
chained together.*"},
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@returA description of the import snapshot task.*"",
    "getterMethodName" : "getDescription",
    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
        "uri" : false
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    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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@param description A description of the import snapshot task.*"",
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    "setterModel" : {
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        "variableName" : "description",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>A description of the import snapshot task.</p>
@param description A description of the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*"",
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        "variableName" : "description"}
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"ImportTaskId" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the import snapshot task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\*/\*<p>The ID of the import snapshot task.</p>\n@\param importTaskId The ID of the import snapshot task.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withImportTaskId",
  "getterDocumentation" : "\*/\*<p>The ID of the import snapshot task.</p>\n\n@return The ID of the import
snapshot task.*/",
  "getterMethodName" : "getImportTaskId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImportTaskId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "importTaskId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImportTaskId",
  "setterDocumentation" : "\*/\*<p>The ID of the import snapshot task.</p>\n@\param importTaskId The ID of the import
snapshot task.*/",
  "setterMethodName" : "setImportTaskId",
}
"setterModel" : {
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  "variableName" : "importTaskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
"varargSetterDocumentation" : "/**\n   * The ID of the import snapshot task.
   * @param importTaskId The ID of the import snapshot task.
   * @return Returns a reference to this object so that method calls can be chained together.*/",

  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the import snapshot task.</p>

    "returnType" : "SnapshotTaskDetail",
    "documentation" : null
  },
  "xmlNameSpaceUri" : null
},
"SnapshotTaskDetail" : {
  "c2jName" : "SnapshotTaskDetail",
  "c2jShape" : "SnapshotTaskDetail",
  "deprecated" : false,
  "documentation" : "<p>Describes an import snapshot task.</p>

  "fluentSetterDocumentation" : "/**\n   * Describes an import snapshot task.
   * @param snapshotTaskDetail Describes an import snapshot task.
   * @return Returns a reference to this object so that method calls can be chained together.*/",

  "fluentSetterMethodName" : "withSnapshotTaskDetail",
  "getterDocumentation" : "/**\n   * Describes an import snapshot task.
   * @return Describes an import snapshot task.
   */",
  "getterMethodName" : "getSnapshotTaskDetail",
  "getterModel" : {
    "returnType" : "SnapshotTaskDetail",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "variableDeclarationType" : "String",
    "variableName" : "importTaskId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the import snapshot task.</p>

  "returnType" : "SnapshotTaskDetail",
  "documentation" : null
}
Describes an import snapshot task.

**@param snapshotTaskDetail**

Describes an import snapshot task.

@return Returns a reference to this object so that method calls can be chained together.

Describes an import snapshot task.
"variableName": "importSnapshotTask",
"variableType": "ImportSnapshotTask",
"documentation": null,
"simpleType": "ImportSnapshotTask",
"variableSetterType": "ImportSnapshotTask"
},
"wrapper": false
},
"ImportVolumeRequest": {
"c2jName": "ImportVolumeRequest",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for ImportVolume.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
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  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The Availability Zone for the resulting EBS volume.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The Availability Zone for the resulting EBS volume.</p>
    *param availabilityZone The Availability Zone for the resulting EBS volume.*
    *return Returns a reference to this object so that method calls can be chained together.*"/
    
    "fluentSetterMethodName": "withAvailabilityZone",
    "getterDocumentation": "/**<p>The Availability Zone for the resulting EBS volume.</p>
    *return The Availability Zone for the resulting EBS volume.*"/
    
    "getterMethodName": "getAvailabilityZone",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  }
]
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AvailabilityZone",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "availabilityZone",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.</p>*/",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "availabilityZone",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Availability Zone for the resulting EBS volume.</p>
@param availabilityZone The Availability Zone for the resulting EBS volume.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The Availability Zone for the resulting EBS volume.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Image"
"c2jShape" : "DiskImageDetail",
"deprecated" : false,
"documentation" : "<p>The disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The disk image.</p>
@param image The disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImage",
"getterDocumentation" : "/**<p>The disk image.</p>
@return The disk image.*/",
"getterMethodname" : "getImage",
"getterModel" : {
 "returnType" : "DiskImageDetail",
 "documentation" : null
},
"http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Image",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "image",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Image",
"setterDocumentation" : "/**<p>The disk image.</p>
@param image The disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setImage",
"setterModel" : {
 "variableDeclarationType" : "DiskImageDetail",
 "variableName" : "image",
 "variableType" : "DiskImageDetail",
 "documentation" : "",
 "simpleType" : "DiskImageDetail",
 "variableSetterType" : "DiskImageDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The disk image.</p>
@param image The disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

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"variableDeclarationType" : "DiskImageDetail",
"variableName" : "image",
"variableType" : "DiskImageDetail",
"documentation" : "<p>The disk image.</p>",
"simpleType" : "DiskImageDetail",
"variableSetterType" : "DiskImageDetail"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the volume.</p>
@return A description of the volume.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the volume.</p>
@param description A description of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>A description of the volume.

@returns {String} A description of the volume.

@returns {String} Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description of the volume.</p>

@returns {String} Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "Volume",
"c2jShape" : "VolumeDetail",
"deprecated" : false,
"documentation" : "<p>The volume size.</p>

@returns {Number} The volume size.

@returns {Number} Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVolume",
"getterModel" : {
"returnType" : "VolumeDetail",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Volume",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volume",
"uri" : false
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Information about the conversion task.

```
/**
 * Information about the conversion task.
 *
 * @param conversionTask
 * Information about the conversion task.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

  
```

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"simpleType": "DiskImageDescription",
"variableSetterType": "DiskImageDescription"
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"simple": false,
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"variableSetterType": "DiskImageDescription"
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"documentation": "The volume.",
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  "documentation" : null
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  "documentation" : "",
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  "variableSetterType" : "DiskImageVolumeDescription"
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  "simpleType" : "DiskImageVolumeDescription",
  "variableSetterType" : "DiskImageVolumeDescription"
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    "enumType": null,
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    @return
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    @return
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    @return
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"documentation" : "",
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  "deprecated" : false,
  "documentation" : "<p>The number of bytes converted so far.</p>
\n@param bytesConverted The number of bytes converted so far.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterDocumentation" : "/**<p>The number of bytes converted so far.</p>
\n@param bytesConverted The number of bytes converted so far.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "getterDocumentation" : "/**<p>The number of bytes converted so far.</p>
\n@return The number of bytes converted so far.*\*/",
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  "variableSetterType" : "Long"
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@param bytesConverted The number of bytes converted so far.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "Long",
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The description you provided when starting the import volume task.*/
@return The description you provided when starting the import volume task.*/",
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  "getterModel" : {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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  "c2jShape" : "DiskImageDescription",
  "deprecated" : false,
  "documentation" : "<p>The image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The image.</p>
@param image The image.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImage",
  "getterDocumentation" : "/**<p>The image.</p>
@return The image.*/",
  "getterMethodName" : "getImage",
  "getterModel" : {
    "returnType" : "DiskImageDescription",
    "documentation" : null
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  "list" : false,
  "listModel" : null,
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@param image The image.
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  "setterModel" : {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "DiskImageDescription",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The volume.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getMethodName" : "getVolume",
  "getterModel" : {
    "returnType" : "DiskImageVolumeDescription",
    "documentation" : null
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  "mapModel" : null,
  "name" : "Volume",}
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"setterMethodName": "setVolume",
"setterModel": {
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  "variableType": "DiskImageVolumeDescription",
  "documentation": "",
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    "enumType" : null,
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     * @param instanceId The ID of the instance.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>The ID of the instance.</p>
     * @return The ID of the instance.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null,
    }
  }],
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "statusCode" : false,
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  "uri" : false,
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"map" : false,
"mapModel" : null,
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     * @param instanceId The ID of the instance.*/"
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"simple" : true,
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"documentation" : "<p>The ID of the AMI used to launch the instance.
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
  @param imageId The ID of the AMI used to launch the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>
  @return The ID of the AMI used to launch the instance.
  */",
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*"",
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"c2jShape": "InstanceState",
"deprecated": false,
"documentation": "<p>The current state of the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The current state of the instance.</p>
@param state The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/**<p>The current state of the instance.</p>
@return The current state of the instance.*"",
"getterMethodName": "getState",
"getterModel": {
"returnType" : "InstanceState",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "instanceState",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"variableType" : "InstanceState",
"documentation" : "",
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"variableSetterType" : "InstanceState"
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"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The current state of the instance.</p>\n@\r
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"variableType" : "InstanceState",
"documentation" : "<p>The current state of the instance.</p>",
"simpleType" : "InstanceState",
"variableSetterType" : "InstanceState"
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"deprecated": false,
"documentation": "\(<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \(<code>running</code>\) state. \(<p>\[EC2-VPC\] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\)</p>\)",
"enumType": null,
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"fluentSetterMethodName": "withPrivateDnsName",
"getterDocumentation": "/**\(<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \(<code>running</code>\) state. \(<p>\[EC2-VPC\] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\)</p>\)\n@return (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the \(<code>running</code>\) state. \(<p>\[EC2-VPC\] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\)\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterModel": {
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  "location": null,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**
<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p>
[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.
</p>
@n@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. 
@p> <p>EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateDnsName",
 "variableType" : "String",
 "documentation" : """,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p>
[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.
@n@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. 
@p> <p>EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateDnsName",
"
"variableType" : "String",
"documentation" : "<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
| "c2jName" : "PublicDnsName",
| "c2jShape" : "String",
| "deprecated" : false,
| "documentation" : "<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC. </p>",
| "enumType" : null,
| "fluentSetterDocumentation" : "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>
@param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
| "fluentSetterMethodName" : "withPublicDnsName",
| "getterDocumentation" : "/**<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>
@return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC. */",
| "getterMethodName" : "getPublicDnsName",
| "getterModel" : {
| "returnType" : "String",
| "documentation" : null
},
| "http" : {
| "additionalMarshallingPath" : null,
| "additionalUnmarshallingPath" : null,
| "flattened" : false,
| "greedy" : false,
| "header" : false,
| "isPayload" : false,
| "isStreaming" : false,
| "location" : null,
| "marshallLocationName" : "DnsName",
| "queryString" : false,
| "statusCode" : false,
"unmarshallLocationName" : "dnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicDnsName",
"setterDocumentation" : "/**\nIPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\n\n\n@\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPublicDnsName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "publicDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\n\n\n@\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "publicDnsName",
"variableType" : "String",
"documentation" : "\nIPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.\n\n\n@\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StateTransitionReason",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The reason for the most recent state transition. This might be an empty string.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe reason for the most recent state transition. This might be an empty string.*/"
The reason for the most recent state transition. This might be an empty string.

@return The reason for the most recent state transition. This might be an empty string.

@varargSetterDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@variable

@variableDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@getterDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@getterModel

@getterMethodName
getStateTransitionReason

@getterSetterMethodName
withStateTransitionReason

@http

@idempotencyToken
false

@isPayload
false

@isStreaming
false

@marshallLocationName
Reason

@marshallLocationName
reason

@marshaller
null

@mapModel
null

@map
false

@mapSetter
false

@name
StateTransitionReason

@setterDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@setterMethodName
setStateTransitionReason

@setterModel

@setterSetter
false

@simple
true

@varargSetterDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@variable

@variableDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@variableModel

@variableName
stateTransitionReason

@variableSetter
false

@variableSetterDocumentation
/**
 * The reason for the most recent state transition. This might be an empty string.
 */

@return Returns a reference to this object so that method calls can be chained together.

@vararg
false
"variableDeclarationType" : "String",
"variableName" : "stateTransitionReason",
"variableType" : "String",
"documentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
} {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@return The name of the key pair, if this instance was launched with an associated key pair.</p>*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key
pair.</p>
@<param keyName> The name of the key pair, if this instance was launched with an associated key pair.</p>
@setterMethodName : "setKeyPair",
@setterModel : {
    @variableDeclarationType : "String",
    @variableName : "keyPair",
    @variableType : "String",
    @documentation : "",
    @simpleType : "String",
    @variableSetterType : "String"
},
@simple : true,
@varargSetterDocumentation : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
@variable : {
    @variableDeclarationType : "String",
    @variableName : "keyPair",
    @variableType : "String",
    @documentation : "The name of the key pair, if this instance was launched with an associated key pair.
",
    @simpleType : "String",
    @variableSetterType : "String"
},
@xmlNameSpaceUri : null
}, {
    @c2jName : "AmiLaunchIndex",
    @c2jShape : "Integer",
    @deprecated : false,
    @documentation : "The AMI launch index, which can be used to find this instance in the launch group.
",
    @enumType : null,
    @fluentSetterDocumentation : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.
@return Returns a reference to this object so that method calls can be chained together.*/",
    @fluentSetterMethodName : "withAmiLaunchIndex",
    @getterDocumentation : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@return The AMI launch index, which can be used to find this instance in the launch group.*/",
    @getterMethodName : "getAmiLaunchIndex",
    @getterModel : {
        @returnType : "Integer",
        @documentation : null
    },
    @http : {
        @additionalMarshallingPath : null,
        @additionalUnmarshallingPath : null,
        @flattened : false,
        @greedy : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AmiLaunchIndex",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amiLaunchIndex",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AmiLaunchIndex",
"setterDocumentation" : "/**\n@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.*/",
"setterMethodName" : "setAmiLaunchIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "amiLaunchIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "amiLaunchIndex",
  "variableType" : "Integer",
  "documentation" : "<p>The AMI launch index, which can be used to find this instance in the launch group.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeList",
"deprecated" : false,
"documentation" : "<p>The product codes attached to this instance, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The product codes attached to this instance, if applicable.
 */
 @param productCodes The product codes attached to this instance, if applicable.
 @return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**
 * The product codes attached to this instance, if applicable.
 */
 @return The product codes attached to this instance, if applicable.
",
"getterMethodName" : "getProductCodes",
"getterModel" : {
 "returnType" : "java.util.List<ProductCode>",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ProductCodes",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "productCodes",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "ProductCode",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * @param member \n * @return Returns a reference to this object so that method calls can be chained together.*/
",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n * @return */
",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "ProductCode",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ProductCode",
"variableName" : "member",
"variableType" : "ProductCode",
"documentation" : "",
"simpleType" : "ProductCode",
"variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**\n\n@param instanceType The instance type.\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@param instanceType The instance type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
"c2jName": "LaunchTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time the instance was launched.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withLaunchTime",
"getterDocumentation": "/**<p>The time the instance was launched.</p>
@return The time the instance was launched.
*/",
"getterMethodName": "getLaunchTime",
"getterModel": {
  "returnType": "java.util.Date",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "LaunchTime",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "launchTime",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LaunchTime",
"setterDocumentation": "/**<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
*/",
"setterMethodName": "setLaunchTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "launchTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
"simple": true,
"varargSetterDocumentation": "/**
 * The time the instance was launched.
 * @param launchTime The
time the instance was launched.
 * @return Returns a reference to this object so that method calls can be
chained together.*/",
"variable": {
"variableDeclarationType": "java.util.Date",
"variableName": "launchTime",
"variableType": "java.util.Date",
"documentation": "<p>The time the instance was launched.</p>",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
}, {
"c2jName": "Placement",
"c2jShape": "Placement",
"deprecated": false,
"documentation": "<p>The location where the instance launched, if applicable.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
 * The location where the instance launched, if applicable.
 * @param placement The location where the instance launched, if applicable.
 * @return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName": "withPlacement",
"getterDocumentation": "/**
 * The location where the instance launched, if applicable.
 * @return The location where the instance launched, if applicable.*/",
"getterMethodName": "getPlacement",
"getterModel": {
"returnType": "Placement",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Placement",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "placement",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Placement",
"setterDocumentation": "/**\n   * The location where the instance launched, if applicable.\n   */",
"setterMethodName": "setPlacement",
"setterModel": {
  "variableDeclarationType": "Placement",
  "variableName": "placement",
  "variableType": "Placement",
  "documentation": "",
  "simpleType": "Placement",
  "variableSetterType": "Placement"
},
"simple": false,
"varargSetterDocumentation": "/**\n   * The location where the instance launched, if applicable.\n   */",
"varargSetterMethodName": "setPlacement",
"variable": {
  "variableDeclarationType": "Placement",
  "variableName": "placement",
  "variableType": "Placement",
  "documentation": "<p>The location where the instance launched, if applicable.</p>",
  "simpleType": "Placement",
  "variableSetterType": "Placement"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "KernelId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The kernel associated with this instance, if applicable.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n   * The kernel associated with this instance, if applicable.\n   */",
  "fluentSetterMethodName": "withKernelId",
  "getterDocumentation": "/**\n   * The kernel associated with this instance, if applicable.\n   */",
  "getterMethodName": "getKernelId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId
The kernel associated with this instance, if applicable.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId
The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The kernel associated with this instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The RAM disk associated with this instance, if applicable.</p>@return The RAM disk associated with this instance, if applicable.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {  
"returnType" : "String",
"documentation" : null  
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"http" : {  
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"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "RamdiskId",
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "ramdiskId",
"uri" : false  
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {  
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"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"  
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

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"variableType" : "String",
"documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Platform",
"c2jShape" : "PlatformValues",
"deprecated" : false,
"documentation" : "<p>The value is \&lt;code\>Windows\&lt;/code\> for Windows instances; otherwise blank.</p>",
"enumType" : "PlatformValues",
"fluentSetterDocumentation" : "/**
\* The value is \&lt;code\>Windows\&lt;/code\> for Windows instances; otherwise blank.
\*\n\* @param platform The value is \&lt;code\>Windows\&lt;/code\> for Windows instances; otherwise blank.
\*\n\* @return Returns a reference to this object so that method calls can be chained together.
\* @see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**
\* The value is \&lt;code\>Windows\&lt;/code\> for Windows instances; otherwise blank.
\*\n\* @return The value is \&lt;code\>Windows\&lt;/code\> for Windows instances; otherwise blank.
\*\n\* @see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform"
"setterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>
@param platform The value is <code>Windows</code> for Windows instances; otherwise blank.
@return Returns a reference to this object so that method calls can be chained together.
@see PlatformValues*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The value is <code>Windows</code> for Windows instances; otherwise blank.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "Monitoring",
"deprecated" : false,
"documentation" : "<p>The monitoring for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/**<p>The monitoring for the instance.</p>
@return The monitoring for the instance.*/",
"getterMethodName" : "getMonitoring",
"getterModel" : {
  "returnType" : "Monitoring",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "monitoring",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Monitoring",
  "variableName" : "monitoring",
  "variableType" : "Monitoring",
  "documentation" : "",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The monitoring for the instance.</p>",
  "simpleType" : "Monitoring",
  "variableSetterType" : "Monitoring"
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"xmlNameSpaceUri" : null
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"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/"
Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>@return [EC2-VPC] The ID of the subnet in which the instance is running."*/
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : 
", 
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.

Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : 
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "[EC2-VPC] The ID of the VPC in which the instance is running.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address assigned to the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@param privateIpAddress The private IPv4 address assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 address assigned to the instance.</p>
@return The private IPv4 address assigned to the instance.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/** <p>The private IPv4 address assigned to the instance.</p>
@param privateIpAddress The private IPv4 address assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargsSetterDocumentation" : "/** <p>The private IPv4 address assigned to the instance.</p>
@param privateIpAddress The private IPv4 address assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 address assigned to the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "PublicIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The public IPv4 address assigned to the instance, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** <p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withPublicIpAddress",
  "getterDocumentation" : "/** <p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.
@return The public IPv4 address assigned to the instance, if applicable. */",
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  "getterModel" : {
"returnType" : "String",
"documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipAddress",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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 * The public IPv4 address assigned to the instance, if applicable.
 */",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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 * The public IPv4 address assigned to the instance, if applicable.
 */",
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  "variableName" : "publicIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The public IPv4 address assigned to the instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsSpaceUri" : null
"c2jName" : "StateReason",
"c2jShape" : "StateReason",
"deprecated" : false,
"documentation" : "<p>The reason for the most recent state transition.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason for the most recent state transition.</p>
@param stateReason The reason for the most recent state transition.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStateReason",
"getterDocumentation" : "/**<p>The reason for the most recent state transition.</p>
@return The reason for the most recent state transition.*/",
"getterMethodName" : "getStateReason",
"getterModel" : {
  "returnType" : "StateReason",
  "documentation" : null
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"http" : {
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "stateReason",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateReason",
"setterDocumentation" : "/**<p>The reason for the most recent state transition.</p>
@param stateReason The reason for the most recent state transition.*/",
"setterMethodName" : "setStateReason",
"setterModel" : {
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  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "",
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
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"varargSetterDocumentation": "The reason for the most recent state transition.
\@param stateReason The reason for the most recent state transition.
\@return Returns a reference to this object so that method calls can be chained together."",
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  "variableName": "stateReason",
  "variableType": "StateReason",
  "documentation": "The reason for the most recent state transition.
  \@param stateReason The reason for the most recent state transition.
  \@return Returns a reference to this object so that method calls can be chained together."",
  "simpleType": "StateReason",
  "variableSetterType": "StateReason"
},
"xmlnsSpaceUri": null
},
"c2jName": "Architecture",
"c2jShape": "ArchitectureValues",
"deprecated": false,
"documentation": "The architecture of the image.
\@param architecture The architecture of the image.
\@return Returns a reference to this object so that method calls can be chained together.\@see ArchitectureValues"",
"fluentSetterMethodName": "withArchitecture",
"getterDocumentation": "The architecture of the image.
\@return The architecture of the image.\@see ArchitectureValues"",
"getterMethodName": "getArchitecture",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
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  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Architecture",
  "queryString": false,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Architecture",
"setterDocumentation": "/**<p>The architecture of the image.</p>
@param architecture The architecture of
the image.
@see ArchitectureValues*/",
"setterMethodName": "setArchitecture",
"setterModel": {
    "variableDeclarationType": "String",
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    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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@param architecture The architecture of the image.
@see ArchitectureValues*/",
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    "variableType": "String",
    "documentation": "<p>The architecture of the image.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
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"xmlnsNamespaceUri": null
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"c2jName": "RootDeviceType",
"c2jShape": "DeviceType",
"deprecated": false,
"documentation": "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance
store volume.</p>",
"enumType": "DeviceType",
"fluentSetterDocumentation": "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an
instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an
instance store volume.
@return Returns a reference to this object so that method calls can be chained
together.
@see DeviceType*/",
"fluentSetterMethodName": "withRootDeviceType",
"getterDocumentation": "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an
instance store volume.</p>
@see DeviceType*/",
"getterMethodName": "getRootDeviceType",
"getterModel": {
    "returnType": "String",
    "documentation": null
}"}
"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "RootDeviceType",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "rootDeviceType",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceType",
"setterDocumentation": "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>\n@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeviceType*/",
"setterMethodName": "setRootDeviceType",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "rootDeviceType",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>\n@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeviceType*/",
"variable": {
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    "variableName": "rootDeviceType",
    "variableType": "String",
    "documentation": "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"c2jName": "RootDeviceName",
"c2jShape": "String",
"deprecated": false,
"documentation": "The root device name (for example, /dev/sda1 or /dev/xvda).",
"enumType": null,
"fluentSetterDocumentation": "The root device name (for example, /dev/sda1 or /dev/xvda).\n@param rootDeviceName The root device name (for example, /dev/sda1 or /dev/xvda).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withRootDeviceName",
"getterDocumentation": "The root device name (for example, /dev/sda1 or /dev/xvda).\n@return The root device name (for example, /dev/sda1 or /dev/xvda).*/",
"getterMethodName": "getRootDeviceName",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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  "isPayload": false,
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  "unmarshallLocationName": "rootDeviceName",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceName",
"setterDocumentation": "The root device name (for example, /dev/sda1 or /dev/xvda).\n@param rootDeviceName The root device name (for example, /dev/sda1 or /dev/xvda).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setRootDeviceName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n</p>\n@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
  @param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "BlockDeviceMappings",
"c2jShape": "InstanceBlockDeviceMappingList",
"deprecated": false,
"documentation": "<p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withBlockDeviceMappings",
"getterDocumentation": "/**\n<p>Any block device mapping entries for the instance.</p>
@return Any block device mapping entries for the instance.*/",
"getterMethodName": "getBlockDeviceMappings",
"getterModel": {
  "returnType": "java.util.List<InstanceBlockDeviceMapping>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "BlockDeviceMapping",
  "queryString": false,
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "",
"simpleType" : "InstanceBlockDeviceMapping",
"variableSetterType" : "InstanceBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "",
"simpleType" : "InstanceBlockDeviceMapping",
"variableSetterType" : "InstanceBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.</p>
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
 "variableName" : "blockDeviceMappings",
 "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
 "documentation" : "",
 "simpleType" : "List<InstanceBlockDeviceMapping>",
 "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any block device mapping entries for the
instance.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.

@<p>@param blockDeviceMappings Any block device mapping entries for the instance.
@return Returns a reference to this object so that method calls can be chained together.

*/
  
  variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
    "documentation" : "Any block device mapping entries for the instance.

    "simpleType" : "List<InstanceBlockDeviceMapping>",
    "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
  },
  "xmlNameSpaceUri" : null
},
  
  "c2jName" : "VirtualizationType",
  "c2jShape" : "VirtualizationType",
  "deprecated" : false,
  "documentation" : "The virtualization type of the instance.

  "enumType" : "VirtualizationType",
  "fluentSetterDocumentation" : "/** The virtualization type of the instance. */
  @param virtualizationType
  The virtualization type of the instance.
  @return Returns a reference to this object so that method calls can be chained together.

  "fluentSetterMethodName" : "withVirtualizationType",
  "getterDocumentation" : "/** The virtualization type of the instance. */
  @return The virtualization type of the instance.

  "getterMethodName" : "getVirtualizationType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VirtualizationType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "virtualizationType",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualizationType",
"setterDocumentation" : "/**<p>The virtualization type of the instance.</p>
@param virtualizationType The virtualization type of the instance.</p>
@see VirtualizationType*/",
"setterMethodName" : "setVirtualizationType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The virtualization type of the instance.</p>
@param virtualizationType The virtualization type of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see VirtualizationType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "<p>The virtualization type of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}
"c2jName" : "InstanceLifecycle",
"c2jShape" : "InstanceLifecycleType",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
"enumType" : "InstanceLifecycleType",
"fluentSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceLifecycleType*/",
"fluentSetterMethodName" : "withInstanceLifecycle",
"getterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>
@return Indicates whether this is a Spot instance or a Scheduled Instance.
@see InstanceLifecycleType*/",
"getterMethodName" : "getInstanceLifecycle",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceLifecycle",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceLifecycle",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceLifecycle",
"setterDocumentation" : "/**
 * Indicates whether this is a Spot instance or a Scheduled Instance.
 * @param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
 * @see InstanceLifecycleType*/",
"setterMethodName" : "setInstanceLifecycle",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceLifecycle",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether this is a Spot instance or a Scheduled Instance.
 * @param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see InstanceLifecycleType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceLifecycle",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
}, {
  "c2jName" : "SpotInstanceRequestId",
  "c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@return If the request is a Spot instance request, the ID of the request.*/",
"getterMethodName" : "getSpotInstanceRequestId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotInstanceRequestId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotInstanceRequestId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestId",
"setterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotInstanceRequestId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotInstanceRequestId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the
@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request.
@inheritDoc

```
"variable": {
  "variableDeclarationType": "String",
  "variableName": "spotInstanceRequestId",
  "variableType": "String",
  "documentation": "<p>If the request is a Spot instance request, the ID of the request.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
{ "c2jName": "ClientToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>*/",
  "fluentSetterMethodName": "withClientToken",
  "getterDocumentation": "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>*/",
  "getterMethodName": "getClientToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
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  "http": {
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    "greedy": false,
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    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ClientToken",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "clientToken",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
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"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the instance.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@param tags Any tags assigned to the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the instance.</p>
@return Any tags assigned to the instance.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
"mapModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the instance.</p><p>@param tags Any tags assigned to the instance.</p>*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
}
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>
}.
"simple" : false,
"varargSetter Documentation" : "/**\n<p>Any tags assigned to the instance.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p><\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the instance.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>One or more security groups for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>One or more security groups for the instance.</p><\n@param securityGroups One or more security groups for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**\n<p>One or more security groups for the instance.</p><\n@return One or more security groups for the instance.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupIdentifier>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\@param member
\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n\@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n\@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"documentation" : "",
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\@param member
\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n\@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"documentation" : "",
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
\@param member
\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n\@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",}

"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**
<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.*/",
"setterDocumentation" : "/**
<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.*/
This method appends the values to the existing list (if any). Use {@link #setSecurityGroups(java.util.Collection)} or
@link #withSecurityGroups(java.util.Collection) if you want to override the existing values.

**Parameter:**

- `securityGroups` (class: java.util.List<GroupIdentifier>): One or more security groups for the instance.

**Return:**

- `variable`: a reference to this object so that method calls can be chained together.

**Documentation:**

One or more security groups for the instance.

**Variable:**

- `variableDeclarationType`: com.amazonaws.internal.SdkInternalList<GroupIdentifier>
- `variableName`: securityGroups
- `variableType`: java.util.List<GroupIdentifier>
- `documentation`: Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the Amazon Virtual Private Cloud User Guide.

**Fluent Setter:**

- `c2jName`: SourceDestCheck
- `c2jShape`: Boolean
- `deprecated`: false
- `documentation`: Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the Amazon Virtual Private Cloud User Guide.

- `getterDocumentation`: Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the Amazon Virtual Private Cloud User Guide.

- `fluentSetterMethodName`: withSourceDestCheck
- `fluentSetterDocumentation`: Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform NAT. For more information, see [NAT Instances](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html) in the Amazon Virtual Private Cloud User Guide.

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"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.<p>
@<p>\n@param sourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see `<a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

```java
@param sourceDestCheck Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see `<a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.

@return Returns a reference to this object so that method calls can be chained together.
```

```java
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. The value must be `<code>false</code>` for the instance to perform NAT. For more information, see `<a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>` in the `<i>Amazon Virtual Private Cloud User Guide</i>`.
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "Hypervisor",
"c2jShape" : "HypervisorType",
"deprecated" : false,
"documentation" : "The hypervisor type of the instance.

```java
@param hypervisor The hypervisor type of the instance.

```java
@return Returns a reference to this object so that method calls can be chained together.

```java
@see HypervisorType*/"
```

```java
"fluentSetterMethodName" : "withHypervisor",
"getterDocumentation" : "The hypervisor type of the instance.

```java
@return The hypervisor type of the instance.

```java
@see HypervisorType*/"
```

```java
"fluentSetterMethodName" : "getHypervisor",
"getterMethodName" : "getHypervisor",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Hypervisor",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hypervisor",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@see HypervisorType*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The hypervisor type of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkInterfaces",
"c2jShape" : "InstanceNetworkInterfaceList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] One or more network interfaces for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] One or more network interfaces for the"
instance.<p>@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.<p>@return Returns a reference to this object so that method calls can be chained together.</p/>
uffledSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**
[EC2-VPC] One or more network interfaces for the instance.<p/>
幡りつMethodName" : "getNetworkInterfaces",
"getterModel" : {
  "returnType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterface",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n幡りつmember \n幡りつreturn Returns a reference to this object so that method calls can be chained together.</p/>
uffledSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n幡りすMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceNetworkInterface",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "InstanceNetworkInterface",
    "variableName" : "member",
    "variableType" : "InstanceNetworkInterface",
    "documentation" : "",
    "simpleType" : "InstanceNetworkInterface",
    "variableSetterType" : "InstanceNetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/\*\*\n@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "InstanceNetworkInterface",
    "variableName" : "member",
    "variableType" : "InstanceNetworkInterface",
    "documentation" : "",
    "simpleType" : "InstanceNetworkInterface",
    "variableSetterType" : "InstanceNetworkInterface"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"map" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType" : "java.util.List<InstanceNetworkInterface>
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**
* [EC2-VPC] One or more network interfaces for the instance.
* @param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterface>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterface>
  },
"simple" : false,
"varargSetterDocumentation" : "/**
* [EC2-VPC] One or more network interfaces for the instance.
* <b>NOTE:</b> This method appends the values to the existing list (if any). Use {
  @link #setNetworkInterfaces(java.util.Collection)} or {
  @link #withNetworkInterfaces(java.util.Collection)} if you want to
  override the existing values.
* @param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : "[EC2-VPC] One or more network interfaces for the instance.
  "simpleType" : "List<InstanceNetworkInterface>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterface>
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfile",
"deprecated" : false,
"documentation" : "The IAM instance profile associated with the instance, if applicable.
  <p>The IAM instance profile associated with the instance, if applicable.
  <b>NOTE:</b> This method appends the values to the existing list (if any). Use {
  @link #getIamInstanceProfile()} or {
  @link #withIamInstanceProfile()} if you want to
  override the existing values.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
"returnType" : "IamInstanceProfile",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "IamInstanceProfile",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "iamInstanceProfile",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
 "variableDeclarationType" : "IamInstanceProfile",
 "variableName" : "iamInstanceProfile",
 "variableType" : "IamInstanceProfile",
 "documentation" : "",
 "simpleType" : "IamInstanceProfile",
 "variableSetterType" : "IamInstanceProfile"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>
@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "IamInstanceProfile",
 "variableName" : "iamInstanceProfile",
 "variableType" : "IamInstanceProfile",
 "documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>
",
 "simpleType" : "IamInstanceProfile",
 "variableSetterType" : "IamInstanceProfile"
 },
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance.
This optimization isn't available with all instance types. Additional usage charges apply when using an EBS
Optimized instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply
when using an EBS Optimized instance.</p><@param ebsOptimized Indicates whether the instance is optimized
for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack
to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage
charges apply when using an EBS Optimized instance.</@return Returns a reference to this object so that method
calls can be chained together.*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS Optimized instance.</p><@return Indicates whether the instance is optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS Optimized instance.*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
},
"http" : {
 "additional MarshallingPath" : null,
 "additional UnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "EbsOptimized",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ebsOptimized",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",

"setterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@deprecated ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@deprecated ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>*/
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withSriovNetSupport",

"getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",

"getterMethodName" : "getSriovNetSupport",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sriovNetSupport",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SriovNetSupport",

"setterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>*/
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.

"setterMethodName" : "setSriovNetSupport",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>*/
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.

"varargSetterMethodName" : "withSriovNetSupport"
Function interface is enabled.

@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Specifies whether enhanced networking with ENA is enabled."",
"enumType" : null,
"fluentSetterDocumentation" : "Specifies whether enhanced networking with ENA is enabled."",
"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "Specifies whether enhanced networking with ENA is enabled."",
"getterMethodName" : "getEnaSupport",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EnaSupport",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "enaSupport",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.<p@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enaSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "AmiLaunchIndex" : {
    "c2jName" : "AmiLaunchIndex",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The AMI launch index, which can be used to find this instance in the launch group.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.<p@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAmiLaunchIndex",
    "getterDocumentation" : "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@return The AMI launch index, which can be used to find this instance in the launch group.*/",
    "getterMethodName" : "getAmiLaunchIndex",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AmiLaunchIndex",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "amiLaunchIndex",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AmiLaunchIndex",
"setterDocumentation": "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.</param>*/",
"setterMethodName": "setAmiLaunchIndex",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "amiLaunchIndex",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AMI launch index, which can be used to find this instance in the launch group.</p>
@param amiLaunchIndex The AMI launch index, which can be used to find this instance in the launch group.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "Integer",
"variableName": "amiLaunchIndex",
"variableType": "Integer",
"documentation": "<p>The AMI launch index, which can be used to find this instance in the launch group.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"Architecture": {
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "The architecture of the image.\n\n@see ArchitectureValues*/",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "The architecture of the image.\n\n@see ArchitectureValues*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "The architecture of the image.\n\n@see ArchitectureValues*/",
"getterMethodName" : "getArchitecture",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Architecture",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "architecture",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "The architecture of the image.\n\n@see ArchitectureValues*/",
"setterMethodName" : "setArchitecture",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "architecture",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}.
"simple" : true,
    "varargSetterDocumentation" : "/**<p>The architecture of the image.</p>
@param architecture The architecture of the image.
@return Returns a reference to this object so that method calls can be chained together.
@see ArchitectureValues*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "architecture",
        "variableType" : "String",
        "documentation" : "<p>The architecture of the image.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
    "BlockDeviceMappings" : {
        "c2jName" : "BlockDeviceMappings",
        "c2jShape" : "InstanceBlockDeviceMappingList",
        "deprecated" : false,
        "documentation" : "<p>Any block device mapping entries for the instance.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see BlockDeviceMappings*/",
        "fluentSetterMethodName" : "withBlockDeviceMappings",
        "getterDocumentation" : "/**<p>Any block device mapping entries for the instance.</p>
@return Any block device mapping entries for the instance.
@see BlockDeviceMappings*/",
        "getterMethodName" : "getBlockDeviceMappings",
        "getterModel" : {
            "returnType" : "java.util.List<InstanceBlockDeviceMapping>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "BlockDeviceMapping",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "blockDeviceMapping",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceBlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
      * @param member
      * @return Returns a reference to this object so that
      * method calls can be chained together.*/",
    "fluentSetterMethod" : "withMember",
    "getterDocumentation" : "/**
      * @return */",
    "getterMethod" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceBlockDeviceMapping",
      "documentation" : null
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
      * @param member */",
"setterMethod" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variableSetterType" : "InstanceBlockDeviceMapping"}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variableSetterType" : "InstanceBlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType" : "java.util.List<InstanceBlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**
<p>Any block device mapping entries for the instance.</p>
@param blockDeviceMappings Any block device mapping entries for the instance.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Any block device mapping entries for the instance.</p>
<br>Note: This method appends the values to the existing list (if any). Use @link #setBlockDeviceMappings(java.util.Collection) or @link #withBlockDeviceMappings(java.util.Collection) if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>""}
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<InstanceBlockDeviceMapping>",
"documentation" : "<p>Any block device mapping entries for the instance.</p>",
"simpleType" : "List<InstanceBlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"xmlNamespaceUri" : null
},
"ClientToken" : {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>@param clientToken The idempotency token you provided when you launched the instance, if applicable.<br>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if applicable.</p>@return The idempotency token you provided when you launched the instance, if applicable.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>The idempotency token you provided when you launched the instance, if"
applicable.</p>
@param clientToken The idempotency token you provided when you launched the instance, if applicable.

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\nThe idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\nThe idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The idempotency token you provided when you launched the instance, if applicable.<p>

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The idempotency token you provided when you launched the instance, if applicable.<p>
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.*"*/

getterMethodName" : "getEbsOptimized",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EbsOptimized",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ebsOptimized",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.*"*/

setterMethodName" : "setEbsOptimized",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsOptimized",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.*"*/

getterMethodName" : "getEbsOptimized",
"getterModel" : null,
optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

```java
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
@return Returns a reference to this object so that method calls can be chained together.*\n```

```java
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"EnaSupport" : {
  "c2jName" : "EnaSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnaSupport",
  "getterDocumentation" : "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>\n@return Specifies whether enhanced networking with ENA is enabled.*/",
  "getterMethodName" : "getEnaSupport",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EnaSupport",
    "queryString" : false,
    "statusCode" : false,
    "statusMessage" : null
  }
}
```
"unmarshallLocationName": "enaSupport",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EnaSupport",
"setterDocumentation": "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.*"",
"setterMethodName": "setEnaSupport",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Specifies whether enhanced networking with ENA is enabled.</p>
@param enaSupport Specifies whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "Specifies whether enhanced networking with ENA is enabled.
",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"Hypervisor": {
  "c2jName": "Hypervisor",
  "c2jShape": "HypervisorType",
  "deprecated": false,
  "documentation": "<p>The hypervisor type of the instance.</p>",
  "enumType": "HypervisorType",
  "fluentSetterDocumentation": "/**<p>The hypervisor type of the instance.</p>
@param hypervisor The hypervisor type of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see HypervisorType*/",
  "fluentSetterMethodName": "withHypervisor",
  "getterDocumentation": "/**<p>The hypervisor type of the instance.</p>
@return The hypervisor type of the instance.
@see HypervisorType*/",
  "getterMethodName": "getHypervisor",
  "getterModel": {"simple": true, ..."}
"returnType" : "String",
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Hypervisor",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hypervisor",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Hypervisor",
"setterDocumentation" : "/**\n<p>The hypervisor type of the instance.</p>\n@param hypervisor The hypervisor type of the instance.\n@see HypervisorType*/",
"setterMethodName" : "setHypervisor",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The hypervisor type of the instance.</p>\n@param hypervisor The hypervisor type of the instance.\n@see HypervisorType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hypervisor",
  "variableType" : "String",
  "documentation" : "<p>The hypervisor type of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"simpleType" : "IamInstanceProfile",
"variableSetterType" : "IamInstanceProfile"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile associated with the instance, if applicable.</p>\n@param iamInstanceProfile The IAM instance profile associated with the instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfile",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfile",
"documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
"simpleType" : "IamInstanceProfile",
"variableSetterType" : "IamInstanceProfile"
},
"xmlNamespaceUri" : null
},
"ImageId" : {
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>\n@param imageId The ID of the AMI used to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI used to launch the instance.</p>\n@return The ID of the AMI used to launch the instance.*/",
"getterMethodName" : "getImageId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "imageId",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**\n@\n* The ID of the AMI used to launch the instance.\n* @param imageId The ID of the AMI used to launch the instance.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@\n* The ID of the AMI used to launch the instance.\n* @param imageId The ID of the AMI used to launch the instance.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
 "c2jName" : "InstanceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the instance.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@\n* The ID of the AMI used to launch the instance.\n* @param instanceId The ID of the instance.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withInstanceId",
 "getterDocumentation" : "/**\n* The ID of the instance.\n* \n* @return The ID of the instance.*/",
 "getterMethodName" : "getInstanceId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
 "http" : {
}
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"InstanceLifecycle" : {
  "c2jName" : "InstanceLifecycle",
  "c2jShape" : "InstanceLifecycleType",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>"
"enumType" : "InstanceLifecycleType",
"fluentSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.@see InstanceLifecycleType*/",
"fluentSetterMethodName" : "withInstanceLifecycle",
"getterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>@return Indicates whether this is a Spot instance or a Scheduled Instance.@see InstanceLifecycleType*/",
"getterMethodName" : "getInstanceLifecycle",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceLifecycle",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceLifecycle",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceLifecycle",
"setterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.@see InstanceLifecycleType*/",
"setterMethodName" : "setInstanceLifecycle",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceLifecycle",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>\n@param instanceLifecycle Indicates whether this is a Spot instance or a Scheduled Instance.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceLifecycleType*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>Indicates whether this is a Spot instance or a Scheduled Instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"InstanceType" : {
    "c2jName" : "InstanceType",
    "c2jShape" : "InstanceType",
    "deprecated" : false,
    "documentation" : "<p>The instance type.</p>",
    "enumType" : "InstanceType",
    "fluentSetterDocumentation" : "/**<p>The instance type.</p>\n@param instanceType The instance type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
    "fluentSetterMethodName" : "withInstanceType",
    "getterDocumentation" : "/**<p>The instance type.</p>\n@return The instance type.\n@see InstanceType*/",
    "getterMethodName" : "getInstanceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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    "http" : {
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "instanceType",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"KernelId" : {
  "c2jName" : "KernelId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The kernel associated with this instance, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "/**<p>The kernel associated with this instance, if applicable.</p>
@return The kernel associated with this instance, if applicable.</p>*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "kernelId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KernelId",
"setterDocumentation": "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId The kernel associated with this instance, if applicable.*/",
"setterMethodName": "setKernelId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The kernel associated with this instance, if applicable.</p>
@param kernelId The kernel associated with this instance, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "<p>The kernel associated with this instance, if applicable.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"KeyName": {
  "c2jName": "KeyName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The name of the key pair, if this instance was launched with an associated key
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@return The name of the key pair, if this instance was launched with an associated key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair, if this instance was launched with an associated key pair.</p>
@param keyName The name of the key pair, if this instance was launched with an associated key pair.
*/"}
associated key pair.</p>

@param keyName The name of the key pair, if this instance was launched with an 
associated key pair.

@return Returns a reference to this object so that method calls can be chained together.*"},
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "The name of the key pair, if this instance was launched with an associated key pair."},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LaunchTime" : {
"c2jName" : "LaunchTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time the instance was launched.<p>

/**
 * The time the instance was launched.
 */

@param launchTime The time the instance was launched.

@return The time the instance was launched.

getterMethodName" : "getLaunchTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null
"map" : false,
"mapModel" : null,
"name" : "LaunchTime",
"setterDocumentation" : "/**<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
*/",
"setterMethodName" : "setLaunchTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "launchTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/\*<p>The time the instance was launched.</p>
@param launchTime The time the instance was launched.
@return Returns a reference to this object so that method calls can be chained together./\*",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "launchTime",
"variableType" : "java.util.Date",
"documentation" : "The time the instance was launched.
",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Monitoring" : {
"c2jName" : "Monitoring",
"c2jShape" : "Monitoring",
"deprecated" : false,
"documentation" : "The monitoring for the instance.
",
"enumType" : null,
"fluentSetterDocumentation" : "/\*<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together./\*",
"fluentSetterMethodName" : "withMonitoring",
"getterDocumentation" : "/\*<p>The monitoring for the instance.</p>
@return The monitoring for the instance.
*/",
"getterMethodName" : "getMonitoring",
"getterModel" : {
"returnType" : "Monitoring",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Monitoring",
"queryString": false,
"statusName": false,
"unmarshallLocationName": "monitoring",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Monitoring",
"setterDocumentation": "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.*/",
"setterMethodName": "setMonitoring",
"setterModel": {
  "variableDeclarationType": "Monitoring",
  "variableName": "monitoring",
  "variableType": "Monitoring",
  "documentation": "",
  "simpleType": "Monitoring",
  "variableSetterType": "Monitoring"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Monitoring",
  "variableName": "monitoring",
  "variableType": "Monitoring",
  "documentation": "<p>The monitoring for the instance.</p>",
  "simpleType": "Monitoring",
  "variableSetterType": "Monitoring"
},
"xmlNameSpaceUri": null
},
"NetworkInterfaces": {
  "c2jName": "NetworkInterfaces",
  "c2jShape": "InstanceNetworkInterfaceList",
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] One or more network interfaces for the instance.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n
**/<p>[EC2-VPC] One or more network interfaces for the instance.</p>

\n@param networkInterfaces [EC2-VPC] One or more network interfaces for the instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**\n
**/<p>[EC2-VPC] One or more network interfaces for the instance.</p>

\n@return [EC2-VPC] One or more network interfaces for the instance.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
  "returnType" : "java.util.List<InstanceNetworkInterface>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterface",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n
**/<p>member \n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n
**/<p>
\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceNetworkInterface",
      "documentation" : null
    },
    "http" : {

"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"templateType" : "java.util.List<InstanceNetworkInterface>",
}
,"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**
[p<EC2-VPC] One or more network interfaces for the instance.</p>
@param
networkInterfaces [EC2-VPC] One or more network interfaces for the instance.*"/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterface>",
"documentation" : "",
"simpleType" : "List<InstanceNetworkInterface>",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterface>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
[p<EC2-VPC] One or more network interfaces for the instance.</p>
<br>NOTE: This method appends the values to the existing list (if any). Use {@link 
setNetworkInterfaces(java.util.Collection)} or {@link #withNetworkInterfaces(java.util.Collection)} if you want to
override the existing values.<p>/n@returns Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterface>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterface>",
"documentation" : "</p>[EC2-VPC] One or more network interfaces for the instance.</p>
",
"simpleType" : "List<InstanceNetworkInterface>",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterface>",
},
")",
"xmlNameSpaceUri" : null,
},
"Placement" : {
"c2jName" : "Placement",
"c2jShape" : "Placement",
"deprecated" : false,
"documentation" : "</p>The location where the instance launched, if applicable.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The location where the instance launched, if applicable.</p>

@returns Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "*/p</param
placement
placement The location where the instance launched, if applicable.</p>

@returns Returns a reference to this object so that method calls can be chained together.*"/"},
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "*/p</returns
The
location where the instance launched, if applicable.*/",
    
    "setterMethodName" : "setPlacement",
    "setterModel" : {
        "variableDeclarationType" : "Placement",
        "variableName" : "placement",
        "variableType" : "Placement",
        "documentation" : "",
        "simpleType" : "Placement",
        "simple" : true,
        "varargSetterDocumentation" : "/**<p>The location where the instance launched, if applicable.</p>
        @param placement The location where the instance launched, if applicable.
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "variable" : {
            "variableDeclarationType" : "Placement",
            "variableName" : "placement",
            "variableType" : "Placement",
            "documentation" : "<p>The location where the instance launched, if applicable.</p>
            "simpleType" : "Placement",
        },
    },
}
"variableSetterType" : "Placement",
},
"xmlNameSpaceUri" : null
},
"Platform" : {
"c2jName" : "Platform",
"c2jShape" : "PlatformValues",
"deprecated" : false,
"documentation" : "<p>The value is <code>Windows</code> for Windows instances; otherwise blank.
</p>",
"enumType" : "PlatformValues",
"fluentSetterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.
@see PlatformValues*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.
@see PlatformValues*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**<p>The value is <code>Windows</code> for Windows instances; otherwise blank.
@see PlatformValues*/",
"setterMethodName" : "setPlatform",
"setterModel" : null,
"soap" : {
"additionalSoapAction" : null,
"body" : null,
"headers" : null,
"isBodyPayload" : false,
"isResponsePayload" : false,
"isSoapAction" : false,
"location" : "platform",
"soapLocationName" : "Platform",
"useXmlSerializer" : true
},
"validate" : false,
"xml" : {
"additionalAttributeNames" : null,
"additionalElements" : null,
"additionalPrefixToNamespaceMapping" : null,
"attributeNames" : null,
"blank" : false,
"complexType" : null,
"documentation" : "<p>The value is <code>Windows</code> for Windows instances; otherwise blank.
</p>",
"enumerationList" : null,
"enumerationMemberList" : null,
"elementNames" : null,
"extensionElements" : null,
"extensionAttributes" : null,
"isInnerFmly" : false,
"isOuterFmly" : false,
"isInnerMessageModel" : false,
"isOuterMessageModel" : false,
"isRoot" : false,
"namespace" : null,
"namespaceList" : null,
"parentType" : null,
"parameterList" : null,
"path" : null,
"readOnly" : false,
"simpleElementList" : null,
"simpleAttributeList" : null,
"soap" : null,
"unmarshallLocationName" : "platform",
"wrapperType" : false,
"XmlElement" : null,
"XmlList" : null,
"XmlModel" : null,
"XmlNameSpace" : null,
"XmlNameSpaceList" : null,
"XmlType" : null,
"ns" : null,
"nsList" : null,
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "platform",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\n**<p>The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.
\n@vararg platform The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see PlatformValues*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "platform",
    "variableType" : "String",
    "documentation" : "\n<p>The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.</p>\n\n\n@see PlatformValues*/",
"xmlNameSpaceUri" : null
},
"PrivateDnsName" : {
    "c2jName" : "PrivateDnsName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "\n<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. \n</p>\n\n@see [EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\n\n@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. \n\n@see [EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "\n**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. \n</p>\n\n@see [EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\n\n@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. \n\n@see [EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "\n**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This
DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. 

The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.

This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. 

The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.

/**
getterMethodName" : "getPrivateDnsName",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**
setterMethodName" : "setPrivateDnsName",.
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "privateDnsName",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p><strong>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</strong></p>
@param privateDnsName (IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p><strong>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</strong></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "privateDnsName",
    "variableType": "String",
    "documentation": "/p>(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p><strong>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</strong></p>
@param privateDnsName The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the <code>running</code> state. </p> <p><strong>[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.</strong>
@return Returns a reference to this object so that method calls can be chained together.*/",
"complexType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PrivateIpAddress": {
    "c2jName": "PrivateIpAddress",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "/p>The private IPv4 address assigned to the instance.</p>
@param privateIpAddress The private IPv4 address assigned to the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType": null,
"fluentSetterDocumentation": "/p>The private IPv4 address assigned to the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrivateIpAddress",
"getterDocumentation": "/p>The private IPv4 address assigned to the instance.\n@return The private IPv4 address assigned to the instance.*/"
"getterMethodName": "getPrivateIpAddress",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIpAddress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddress",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**\n<p>The private IPv4 address assigned to the instance.</p>\n@param privateIpAddress The private IPv4 address assigned to the instance.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "privateIpAddress",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The private IPv4 address assigned to the instance.</p>\n@param privateIpAddress The private IPv4 address assigned to the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "privateIpAddress",
"variableType": "String",
"documentation": "<p>The private IPv4 address assigned to the instance.</p>",
"simpleType": "String",
"variableSetterType": "String"}
"ProductCodes": {
  "c2jName": "ProductCodes",
  "c2jShape": "ProductCodeList",
  "deprecated": false,
  "documentation": "<p>The product codes attached to this instance, if applicable.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/** <p>The product codes attached to this instance, if applicable.</p>
  @param productCodes The product codes attached to this instance, if applicable.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withProductCodes",
  "getterDocumentation": "/** <p>The product codes attached to this instance, if applicable.</p>
  @return The product codes attached to this instance, if applicable.
  */",
  "getterMethodName": "getProductCodes",
  "getterModel": {
    "returnType": "java.util.List<ProductCode>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ProductCodes",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "productCodes",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
  "listModel": {
    "implType": "com.amazonaws.internal.SdkInternalList",
    "interfaceType": "java.util.List",
    "listMemberModel": {
      "c2jName": "member",
      "c2jShape": "ProductCode",
      "deprecated": false,
      "documentation": "",
      "enumType": null,
      "fluentSetterDocumentation": "/** @param member @return Returns a reference to this object so that method calls can be chained together. */",
      "getterDocumentation": "",
      "getterMethodName": "getMember",
      "getterModel": {
        "returnType": "java.util.List<ProductCode>",
        "documentation": null
      }
    }
  }
}
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>",
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>The product codes attached to this instance, if applicable.</p>
@param productCodes The product codes attached to this instance, if applicable.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The product codes attached to this instance, if applicable.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setProductCodes(java.util.Collection) or @link #withProductCodes(java.util.Collection) if you want to override the existing values.</p>\n@<param name="productCodes" type="java.util.Collection">The product codes attached to this instance, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
  "variableName" : "productCodes",
  "variableType" : "java.util.List<ProductCode>",
  "documentation" : "<p>The product codes attached to this instance, if applicable.</p>",
  "simpleType" : "List<ProductCode>",
  "variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
"PublicDnsName" : {
  "c2jName" : "PublicDnsName",
  "c2jShape" : "String",
  "simple" : false,
The public DNS name assigned to the instance. This name is not available until the instance enters the `running` state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.

```javascript
/**
 * The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
publicDnsName = publicDnsName;

/**
 * The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 */
getPublicDnsName = getPublicDnsName;
```

```javascript
/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
withPublicDnsName = withPublicDnsName;

/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 */
getPublicDnsName = getPublicDnsName;
```

```javascript
/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
withPublicDnsName = withPublicDnsName;

/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 */
getPublicDnsName = getPublicDnsName;
```

```javascript
/**
 * (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @param publicDnsName (IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
withPublicDnsName = withPublicDnsName;
```
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIpAddress",
"setterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.*/",
"setterMethodName" : "setPublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public IPv4 address assigned to the instance, if applicable.</p>
@param publicIpAddress The public IPv4 address assigned to the instance, if applicable.*/",
"vararg" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The public IPv4 address assigned to the instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlns:NameSpaceUri" : null
},
"RamdiskId" : {
  "c2jName" : "RamdiskId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**\n@<p>The RAM disk associated with this instance, if applicable.</p>@return The RAM disk associated with this instance, if applicable.@/\",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**\n@<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.@/\",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@<p>The RAM disk associated with this instance, if applicable.</p>@param ramdiskId The RAM disk associated with this instance, if applicable.@\n@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceName" : {
  "c2jName" : "RootDeviceName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>"
},

"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). */",
"getterMethodName" : "getRootDeviceName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RootDeviceName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/** <p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). </p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). */",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). </p>
@param rootDeviceName The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>). 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "rootDeviceName",
    "variableType" : "String",
    "documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceType" : {
    "c2jName" : "RootDeviceType",
    "c2jShape" : "DeviceType",
    "deprecated" : false,
    "documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
    "enumType" : "DeviceType",
    "fluentSetterDocumentation" : "/** <p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withRootDeviceType",
    "getterDocumentation" : "/** <p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@return The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>
@see DeviceType*/",
    "getterMethodName" : "getRootDeviceType",
    "getterModel" : {

"returnType": "String",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RootDeviceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "rootDeviceType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceType",
"setterDocumentation": "/*\*\*\p> The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@see DeviceType*/",
"setterMethodName": "setRootDeviceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/*\*\*\p> The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@param rootDeviceType The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.\n@see DeviceType*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceType",
  "variableType": "String",
  "documentation": "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.<\p>\n@see DeviceType*/",
  "simpleType": "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"SecurityGroups" : {
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>One or more security groups for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@return One or more security groups for the instance.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
"returnType" : "java.util.List<GroupIdentifier>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n @return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "GroupIdentifier",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
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      "idempotencyToken" : false,
      "list" : false,
      "listModel" : null,
      "map" : false,
      "mapModel" : null,
      "name" : "Member",
      "setterDocumentation" : "/**\n @param member */",
      "setterMethodName" : "setMember",
      "setterModel" : {
        "variableDeclarationType" : "GroupIdentifier",
        "variableName" : "member",
        "variableType" : "GroupIdentifier",
        "documentation" : "",
        "simpleType" : "GroupIdentifier",
        "variableSetterType" : "GroupIdentifier"
      },
      "simple" : false,
      "varargSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together.*/",
      "variable" : {
        "variableDeclarationType" : "GroupIdentifier",
        "variableName" : "member",
        "variableType" : "GroupIdentifier",
        "documentation" : "",
        "simpleType" : "GroupIdentifier",
        "variableSetterType" : "GroupIdentifier"}
"variableSetterType" : "GroupIdentifier",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>One or more security groups for the instance.</p>\n@param securityGroups One or more security groups for the instance.*\*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security groups for the instance.</p>
@param securityGroups One or more security groups for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "<p>One or more security groups for the instance.</p>\n",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
},
"SourceDestCheck" : {
  "c2jName" : "SourceDestCheck"
This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

```java
@NgModule
public class MyModule
{
    private @Param sourceDestCheck

    @Setter
    public void setSourceDestCheck(@Vararg sourceDestCheck)
        Returns a reference to this object so that method calls can be chained together.

    private @Vararg variable
```
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "<p>Specifies whether to enable an instance launched in a VPC to perform NAT. This controls whether source/destination checking is enabled on the instance. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. The value must be <code>false</code> for the instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SpotInstanceRequestId" : {
"c2jName" : "SpotInstanceRequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withSpotInstanceRequestId",
"getterDocumentation" : " /**<p>If the request is a Spot instance request, the ID of the request.</p>@return If the request is a Spot instance request, the ID of the request.*\"",
"getterMethodName" : "getSpotInstanceRequestId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SpotInstanceRequestId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SpotInstanceRequestId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestId",
"setterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request. */",
"setterMethodName" : "setSpotInstanceRequestId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotInstanceRequestId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the request is a Spot instance request, the ID of the request.</p>
@param spotInstanceRequestId If the request is a Spot instance request, the ID of the request.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotInstanceRequestId",
    "variableType" : "String",
    "documentation" : "<p>If the request is a Spot instance request, the ID of the request.</p>
",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
    "c2jName" : "SriovNetSupport",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withSriovNetSupport",
    "getterDocumentation" : "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.
",
    "getterMethodName" : "getSriovNetSupport",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
    }
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SriovNetSupport",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "sriovNetSupport",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SriovNetSupport",
"setterDocumentation": "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*/",
"setterMethodName": "setSriovNetSupport",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "sriovNetSupport",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "sriovNetSupport",
  "variableType": "String",
  "documentation": "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>"
},
"simpleType": "String",
"variableSetterType": "String"}
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "InstanceState",
  "deprecated" : false,
  "documentation" : "<p>The current state of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The current state of the instance.</p>@param state The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The current state of the instance.</p>@return The current state of the instance.
*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "InstanceState",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceState",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "State",
  "setterDocumentation" : "/**<p>The current state of the instance.</p>@param state The current state of the instance.
*/",
  "setterMethodName" : "setState",
  "setterModel" : {
    "variableDeclarationType" : "InstanceState",
    "variableName" : "state",
    "variableType" : "InstanceState",
    "documentation" : "",
    "simpleType" : "InstanceState"}
"variableSetterType" : "InstanceState"
},
"simple" : false,
"varargSetterDocumentation" : "*/<p>The current state of the instance.</p>@param state The current state of the instance.</p>@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "InstanceState",
  "variableName" : "state",
  "variableType" : "InstanceState",
  "documentation" : "<p>The current state of the instance.</p>
  @param state The current state of the instance.
  @return Returns a reference to this object so that method calls can be chained together."*/",
  "variable" : {
    "variableDeclarationType" : "InstanceState",
    "variableName" : "state",
    "variableType" : "InstanceState",
    "documentation" : "<p>The current state of the instance.</p>
    @param state The current state of the instance.
    @return Returns a reference to this object so that method calls can be chained together."*/",
    "xmlNameSpaceUri" : null
  },
  "StateReason" : {
    "c2jName" : "StateReason",
    "c2jShape" : "StateReason",
    "deprecated" : false,
    "documentation" : "<p>The reason for the most recent state transition.</p>
    @param stateReason The reason for the most recent state transition.
    @return Returns a reference to this object so that method calls can be chained together."*/",
    "getterMethodname" : "withStateReason",
    "getterDocumentation" : "<p>The reason for the most recent state transition.</p>
    @return The reason for the most recent state transition."*/",
    "getterMethodName" : "getStateReason",
    "getterModel" : {
      "returnType" : "StateReason",
      "documentation" : null
    }},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "StateReason",
    "queryString" : null,
    "statusCode" : false,
    "unmarshallLocationName" : "stateReason",
    "uri" : false
  },
  "idempotencyToken" : false,
The reason for the most recent state transition.*/
@param stateReason The reason for the most recent state transition.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "The reason for the most recent state transition. This might be an empty string.\n",  
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
},
"xmlNameSpaceUri" : null
},
"StateTransitionReason" : {
  "c2jName" : "StateTransitionReason",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The reason for the most recent state transition. This might be an empty string.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "The reason for the most recent state transition. This might be an empty string.\n",
  "getterDocumentation" : "The reason for the most recent state transition. This might be an empty string.\n",
  "getterMethodName" : "getStateTransitionReason",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateReason",
"setterDocumentation" : "The reason for the most recent state transition.\n@param stateReason The reason for the most recent state transition. */
"setterMethodName" : "setStateReason",
"setterModel" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "",
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
},
"simple" : false,
"varargSetterDocumentation" : "The reason for the most recent state transition.\n@param stateReason The reason for the most recent state transition.\n@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
  "variableDeclarationType" : "StateReason",
  "variableName" : "stateReason",
  "variableType" : "StateReason",
  "documentation" : "The reason for the most recent state transition.
",  
  "simpleType" : "StateReason",
  "variableSetterType" : "StateReason"
},
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Reason",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reason",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StateTransitionReason",
"setterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
* @param stateTransitionReason The reason for the most recent state transition. This might be an empty string.*/",
"setterMethodName" : "setStateTransitionReason",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stateTransitionReason",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the most recent state transition. This might be an empty string.</p>
* @param stateTransitionReason The reason for the most recent state transition. This might be an empty string.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stateTransitionReason",
  "variableType" : "String",
  "documentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,


"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@return [EC2-VPC] The ID of the subnet in which the instance is running.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "**\<p>[EC2-VPC] The ID of the subnet in which the instance is running.<\>\n@param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>
 @param subnetId [EC2-VPC] The ID of the subnet in which the instance is running.
 @return Returns a reference to this object so that method calls can be chained together. */",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the instance.</p>
  @param tags Any tags assigned to the instance.
  @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "*/p>Any tags assigned to the instance.</p>
  @param tags Any tags assigned to the instance.
  @return Any tags assigned to the instance.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Tag",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
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    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
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    "uri" : false
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  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member
   * @return */",
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  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  }
},

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"simple" : false,
"varargSetterDocumentation" : "/**
@\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
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"variableType" : "Tag",
"documentation" : "",
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"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
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"memberType" : "Tag",
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"marshallNonAutoconstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the instance.<p>
\n@param tags Any tags assigned to the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>
"},
"simple" : false,
"varargSetterDocumentation" : "/**\nAny tags assigned to the instance.<p>
\bNOTE:\b This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.<p>
\n@param tags Any tags assigned to the instance.<n}@\n@return Returns a reference to this object so that method calls can be chained together.*\n*/" engagements
Any tags assigned to the instance.

The virtualization type of the instance.

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The virtualization type of the instance.
variableDeclarationType: "String",
variableName: "virtualizationType",
variableType: "String",
documentation: "",
simpleType: "String",
variableSetterType: "String"
",
simple: true,
varargSetterDocumentation: "/**\n* The virtualization type of the instance.
*/
\n@param virtualizationType The virtualization type of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see VirtualizationType*/",
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variableName: "virtualizationType",
variableType: "String",
documentation: "The virtualization type of the instance.
",
simpleType: "String",
variableSetterType: "String"
",
xmlNameSpaceUri: null
},
VpcId: {
C2JName: "VpcId",
C2JShape: "String",
deprecated: false,
documentation: "[EC2-VPC] The ID of the VPC in which the instance is running.
",
enumType: null,
fluentSetterDocumentation: "/**[EC2-VPC] The ID of the VPC in which the instance is running.
*/
\n@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
fluentSetterMethodName: "withVpcId",
getterDocumentation: "/**[EC2-VPC] The ID of the VPC in which the instance is running.
*/
\n@return [EC2-VPC] The ID of the VPC in which the instance is running.
",
getterMethodName: "getVpcId",
getterModel: {
returnType: "String",
documentation: null
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greedy: false,
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isPayload: false,
isStreaming: false,
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"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
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*/
\n@param virtualizationType The virtualization type of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see VirtualizationType*/",
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",
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"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VpcId": {
"C2JName": "VpcId",
"C2JShape": "String",
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",
"enumType": null,
"fluentSetterDocumentation": "/**[EC2-VPC] The ID of the VPC in which the instance is running.
*/
\n@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
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*/
\n@return [EC2-VPC] The ID of the VPC in which the instance is running.
",
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"greedy": false,
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"isStreaming": false,
"location": null,
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
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*/
\n@param virtualizationType The virtualization type of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see VirtualizationType*/",
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"variableSetterType": "String"
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},
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"uri" : false
},
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"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**
 * [EC2-VPC] The ID of the VPC in which the instance is running.
 */
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**
 * [EC2-VPC] The ID of the VPC in which the instance is running.
 */
@param vpcId [EC2-VPC] The ID of the VPC in which the instance is running.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableSetterType" : "Instance"
}"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Instance",
"unmarshaller" : {
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"resultWrapper" : null
},
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"documentation" : "",
"simpleType" : "Instance",
"variableSetterType" : "Instance"}
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"documentation" : null,
"simpleType" : "Instance",
"variableSetterType" : "Instance"
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},
"InstanceAttribute" : {
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "Describes an instance attribute."",
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"documentation" : "The ID of the instance."",
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"fluentSetterDocumentation" : "The ID of the instance."",
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"getterDocumentation" : "The ID of the instance."",
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"documentation" : null
}
},
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"isStreaming" : false,
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"unmarshallLocationName": "instanceId",
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"mapModel": null,
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\n@param instanceId The ID of the instance.*\*/",
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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\n@param instanceId The ID of the instance.
\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableType": "String",
  "documentation": "The ID of the instance.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
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"variableSetterType": "String"
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"documentation": "<p>The instance type.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"map" : false,
"mapModel" : null,
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@param instanceType The instance type.*/",
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  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
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"enumType": null,
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@param kernelId The kernel ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withKernelId",
"getterDocumentation": "<p>The kernel ID.</p>
@return The kernel ID.*/",
"getterMethodName": "getKernelId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
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"idempotencyToken": false,
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"map": false,
"mapModel": null,
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@param kernelId The kernel ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
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@param kernelId The kernel ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName": "kernelId"}
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"documentation" : "<p>The kernel ID.</p>",
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"variableSetterType" : "String"
},
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The RAM disk ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The RAM disk ID.</p>
@return The RAM disk ID.*/",
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"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
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"additionalUnmarshallingPath" : "value",
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ramdisk",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdisk",
"uri" : false
},
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The RAM disk ID.</p>
@param ramdiskId The RAM disk ID.
*/",
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"setterModel" : {
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"variableName" : "ramdiskId",
"variableType" : "String"}
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"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
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@param ramdiskId The RAM disk ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
},
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},
"c2jName": "UserData",
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"deprecated": false,
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"enumType": null,
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@param userData The user data.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUserData",
"getterDocumentation": "/**<p>The user data.</p>
@return The user data.*/",
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"getterModel": {
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  "documentation": null
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  "unmarshallLocationName": "userData",
  "uri": false
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false,
null,
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* The user data.
* @param userData The user data.
*/
"setUserData",
{
"String",
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"String",
"String",
"userData",
"String"
},
true,
/**
* The user data.
* @param userData The user data.
* @return Returns a reference to this object so that method calls can be chained together.
*/
{
"String",
"userData",
"String",
"userData",
"String"
},
null,
"DisableApiTermination",
"Boolean",
false,
/**
* If the value is true, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
* @return If the value is true, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
*/
null,
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"additionalUnmarshallingPath" : "value",
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"isStreaming" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**\n<p>If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>\n@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>\n@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "Boolean",
"documentation" : "<p>If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.</p>

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}. {
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n*/\n\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "\nIndicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RootDeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\nThe name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n",
"enumType" : null,
"fluentSetterDocumentation" : "\nThe name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n\n@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "\nThe name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n\n@return The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n",
"getterMethodName" : "getRootDeviceName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RootDeviceName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "rootDeviceName",
"uri": false,

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceName",
"setterDocumentation": "/**<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",

"setterMethodName": "setRootDeviceName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}

"simple": true,
"varargSetterDocumentation": "/**<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "<p>The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>
  "simpleType": "String",
  "variableSetterType": "String"
}

"xmlNameSpaceUri": null
},

"c2jName": "BlockDeviceMappings",
"c2jShape": "InstanceBlockDeviceMappingList",
"deprecated": false,
"documentation": "<p>The block device mapping of the instance.</p>"
"enumType" : null,
"fluentSetterDocumentation" : /**<p>The block device mapping of the instance.</p>
@returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : /**<p>The block device mapping of the instance.</p>
@returns The block device
mapping of the instance.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<InstanceBlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceBlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : /**
@returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : /**@returns */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceBlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variableSetterType" : "InstanceBlockDeviceMapping"
}
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceBlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "InstanceBlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "InstanceBlockDeviceMapping",
  "variableSetterType" : "InstanceBlockDeviceMapping"
}
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType" : "java.util.List<InstanceBlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@param blockDeviceMappings The block device mapping of the instance.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@param blockDeviceMappings The block device mapping of the instance.*/",
"varargSetterMethodName" : "setBlockDeviceMappings",
"getterDocumentation" : "/**<p>A list of product codes.</p>
@return A list of product codes.*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeList",
  "deprecated" : false,
  "documentation" : "<p>A list of product codes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/**<p>A list of product codes.</p>
@return A list of product codes.*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"},
  "simple" : false,
  "xmlNameSpaceUri" : null
},
"xmlNameSpaceUri" : null}
"returnType" : "java.util.List<ProductCode>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductCodes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productCodes",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ProductCode",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ProductCode",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ProductCode",
  "variableName" : "member",
  "variableType" : "ProductCode",
  "documentation" : "",
  "simpleType" : "ProductCode",
  "variableSetterType" : "ProductCode"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "ProductCode",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ProductCode",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"templateType" : "java.util.List<ProductCode>
],
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>A list of product codes.</p>
@param productCodes A list of product codes.*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A list of product codes.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setProductCodes(java.util.Collection)} or { @link #withProductCodes(java.util.Collection)} if you want to override the existing values.</p>
@param productCodes A list of product codes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ProductCode>",
"variableName" : "productCodes",
"variableType" : "java.util.List<ProductCode>",
"documentation" : "<p>A list of product codes.</p>",
"simpleType" : "List<ProductCode>",
"variableSetterType" : "java.util.Collection<ProductCode>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@return Indicates whether the instance is optimized for EBS I/O.*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "EbsOptimized",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ebsOptimized",
"uri": false,

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EbsOptimized",
"setterDocumentation": "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param
ebsOptimized Indicates whether the instance is optimized for EBS I/O.*/",
"setterMethodName": "setEbsOptimized",
"setterModel": {

"variableDeclarationType": "Boolean",
"variableName": "ebsOptimized",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"

}

"simple": true,

"varargSetterDocumentation": "/**<p>Indicates whether the instance is optimized for EBS I/O.</p>
@param
ebsOptimized Indicates whether the instance is optimized for EBS I/O.<p>
@returns a reference to this object so that method calls can be chained together.*/",

"variable": {

"variableDeclarationType": "Boolean",
"variableName": "ebsOptimized",
"variableType": "Boolean",
"documentation": "<p>Indicates whether the instance is optimized for EBS I/O.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"

}

"xmlNameSpaceUri": null

}

"c2jName": "SriovNetSupport",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual
Function interface is enabled.</p><code>@param</code> sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</code>\n@return Returns a reference to this object so that method calls can be chained together.*<p>

"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@return Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*"",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SriovNetSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sriovNetSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*"",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sriovNetSupport",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>
@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.*""
82599 Virtual Function interface is enabled.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "EnaSupport",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether enhanced networking with ENA is enabled.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
  @param enaSupport Indicates whether enhanced networking with ENA is enabled.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/
  "fluentSetterMethodName" : "withEnaSupport",
  "getterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
  @return Indicates whether enhanced networking with ENA is enabled.*/
  "getterMethodName" : "getEnaSupport",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EnaSupport",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "enaSupport",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel": null,
"name": "EnaSupport",
"setterDocumentation": "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.*/",
"setterMethodName": "setEnaSupport",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*
",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enaSupport",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether enhanced networking with ENA is enabled.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,

"c2jName": "SourceDestCheck",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
@return Returns a reference to this object so that method calls can be chained together.*
",
"fluentSetterMethodName": "withSourceDestCheck",
"getterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>
@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
@return Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.
",
"getterMethodName": "getSourceDestCheck"
**getterModel** : 
"returnType" : "Boolean",
"documentation" : null
},
"http" : 
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**\p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>\n@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : 
"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>\n@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : 

"variableDeclarationType" : "Boolean",
"variableName" : "sourceDestCheck",
"variableType" : "Boolean",
"documentation" : "&lt;p&gt;Indicates whether source/destination checking is enabled. A value of &lt;code&gt;true&lt;/code&gt; means checking is enabled, and &lt;code&gt;false&lt;/code&gt; means checking is disabled. This value must be &lt;code&gt;false&lt;/code&gt; for a NAT instance to perform NAT.&lt;/p&gt;",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;\n@returns {Groups} Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**&lt;p&gt;The security groups associated with the instance.&lt;/p&gt;\n@returns {GroupIdentifierList} The security groups associated with the instance.&lt;/p&gt;",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List&lt;GroupIdentifier&gt;",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {

"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "GroupIdentifier",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**
 * The security groups associated with the instance.
 */
@param groups The security groups associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setGroups",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
    "variableName" : "groups",
    "variableType" : "java.util.List<GroupIdentifier>",
    "documentation" : "",
    "simpleType" : "List<GroupIdentifier>",
    "variableSetterType" : "java.util.Collection<GroupIdentifier>",
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The security groups associated with the instance.
 */
@param groups The security groups associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/
variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
    "variableName" : "groups",
    "variableType" : "java.util.List<GroupIdentifier>",
    "documentation" : "",
    "simpleType" : "List<GroupIdentifier>",
"sendEmptyQueryString" : false,
"simple" : false,
"map" : false,
"variableSetterType" : "java.util.Collection<GroupIdentifier>",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"BlockDeviceMappings" : {
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "InstanceBlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>The block device mapping of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The block device mapping of the instance.</p>*/
@param blockDeviceMappings The block device mapping of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/*<p>The block device mapping of the instance.</p>*/
@return The block device mapping of the instance.
*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<InstanceBlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceBlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceBlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "",
"simpleType" : "InstanceBlockDeviceMapping",
"variableSetterType" : "InstanceBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceBlockDeviceMapping",
"variableName" : "member",
"variableType" : "InstanceBlockDeviceMapping",
"documentation" : "";}}
"simpleType" : "InstanceBlockDeviceMapping",
"variableSetterType" : "InstanceBlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceBlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
"templateType" : "java.util.List<InstanceBlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>The block device mapping of the instance.</p>
@param blockDeviceMappings The block device mapping of the instance.</p>\n@param blockDeviceMappings The block device mapping of the instance."*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
   "variableName" : "blockDeviceMappings",
   "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
   "documentation" : "",
   "simpleType" : "List<InstanceBlockDeviceMapping>",
   "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"map" : false,
"simple" : false,
"varargSetterDocumentation" : "/**<p>The block device mapping of the instance.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setBlockDeviceMappings(java.util.Collection) } or { @link #withBlockDeviceMappings(java.util.Collection) } if you want to override the existing values.\n@returns Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMapping>",
   "variableName" : "blockDeviceMappings",
   "variableType" : "java.util.List<InstanceBlockDeviceMapping>",
   "documentation" : "<p>The block device mapping of the instance.</p>",
   "simpleType" : "List<InstanceBlockDeviceMapping>",
   "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"DisableApiTermination" : {
"c2jName" : "DisableApiTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.",
"enumType" : null,
"fluentSetterDocumentation" : "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
/**
 * @param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
getterDocumentation" : "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
/**
 * @return If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
 */
getterMethodName" : "getDisableApiTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DisableApiTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "disableApiTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
/**
 * @param disableApiTermination If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
getterMethodName" : "setDisableApiTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"vargSetterDocumentation" : "/**
If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
*/

/*<p>**
If the value is <code>true</code>, you can't terminate the instance through the Amazon EC2 console, CLI, or API; otherwise, you can.
*

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.*/
  ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
Indicates whether the instance is optimized for EBS I/O.*/
*/

"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.*/
  ",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
Indicates whether the instance is optimized for EBS I/O.*/
*/

"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**
Indicates whether the instance is optimized for EBS I/O.*/
*/

"getterMethodName" : "getEbsOptimized",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EbsOptimized",
ebsOptimized Indicates whether the instance is optimized for EBS I/O.

@method setEbsOptimized

Setter Documentation: */**

\p>Indicates whether the instance is optimized for EBS I/O.

Setter Method Name: setEbsOptimized

Setter Model: 

\p>

Variable Declaration Type: Boolean

Variable Name: ebsOptimized

Variable Type: Boolean

Documentation: """"""""

Simple Type: Boolean

Simple: true

Vararg Setter Documentation: */**

\p>Indicates whether the instance is optimized for EBS I/O.

Vararg Setter Method Name: withEbsOptimized

Vararg Return: Returns a reference to this object so that method calls can be chained together.

Variable: 

Variable Declaration Type: Boolean

Variable Name: ebsOptimized

Variable Type: Boolean

Documentation: "Indicates whether the instance is optimized for EBS I/O."

Simple Type: Boolean

Simple: true

EnaSupport Indicates whether enhanced networking with ENA is enabled.

@method withEnaSupport

Setter Documentation: */**

\p>Indicates whether enhanced networking with ENA is enabled.

Setter Method Name: withEnaSupport

Setter Model: 

\p>

Variable Declaration Type: Boolean

Variable Name: enaSupport

Variable Type: Boolean

Documentation: "Indicates whether enhanced networking with ENA is enabled.

Simple Type: Boolean

Simple: true

Fluent Setter Documentation: */**

\p>Indicates whether enhanced networking with ENA is enabled.

Fluent Setter Method Name: withEnaSupport

Fluent Getter Documentation: */**

\p>Indicates whether enhanced networking with ENA is enabled.

Fluent Getter Method Name: withEnaSupport
"getterMethodName" : "getEnaSupport",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EnaSupport",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "enaSupport",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param
enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enaSupport",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with ENA is enabled.</p>
@param enaSupport Indicates whether enhanced networking with ENA is enabled.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enaSupport",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether enhanced networking with ENA is enabled.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
The security groups associated with the instance.

@returns Returns a reference to this object so that method calls can be chained together.

```java
@ParameterGroupDescription
public List<GroupIdentifier> getGroups() {
    return groups;
}
```

The security groups associated with the instance.

```java
@ParameterGroupDescription
public void withGroups(List<GroupIdentifier> groups) {
    this.groups = groups;
}
```
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "GroupIdentifier",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"vargargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "GroupIdentifier",
    "variableName" : "member",
    "variableType" : "GroupIdentifier",
    "documentation" : "",
    "simpleType" : "GroupIdentifier",
    "variableSetterType" : "GroupIdentifier"
"WithNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "GroupIdentifier",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "GroupIdentifier",
"templateImplType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType": "java.util.List<GroupIdentifier>"
],
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**<p>The security groups associated with the instance.</p>
@param groups The security groups associated with the instance.*"",
"setterMethodName": "setGroups",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName": "groups",
"variableType": "java.util.List<GroupIdentifier>",
"documentation": "",
"simpleType": "List<GroupIdentifier>",
"variableSetterType": "java.util.Collection<GroupIdentifier>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The security groups associated with the instance.</p>
@param groups The security groups associated with the instance.
@vararg Docs inherited from List.<br>NOTE: This method appends the values to the existing list (if any). Use @link #setGroups(java.util.Collection) or @link #withGroups(java.util.Collection) if you want to override the existing values.<br>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName": "groups",
"variableType": "java.util.List<GroupIdentifier>",
"documentation": "The security groups associated with the instance.<br>
@vararg Docs inherited from List.<br>
NOTE: This method appends the values to the existing list (if any). Use @link #setGroups(java.util.Collection) or @link #withGroups(java.util.Collection) if you want to override the existing values.<br>
@return Returns a reference to this object so that method calls can be chained together.*"",
"xmlNameSpaceUri": null
},
"InstanceId": {
"c2jName": "InstanceId",
"c2jShape": "String"
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
}
{'variableName': 'instanceId',
'variableType': 'String',
'documentation': '<p>The ID of the instance.</p>',
'simpleType': 'String',
'variableSetterType': 'String'},

'xmlNameSpaceUri': null},

'InstanceInitiatedShutdownBehavior': {
'
c2jName': 'InstanceInitiatedShutdownBehavior',
'c2jShape': 'String',
'deprecated': false,
'documentation': '<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>',
'enumType': null,
'fluentSetterDocumentation': '/*<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.*/',
'fluentSetterMethodName': 'withInstanceInitiatedShutdownBehavior',
'getterDocumentation': '/*<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/',
'getterMethodName': 'getInstanceInitiatedShutdownBehavior',
'getterModel': {
'returnType': 'String',
'documentation': null
},

'http': {
'additionalMarshallingPath': 'Value',
'additionalUnmarshallingPath': 'value',
'flattened': false,
'greedy': false,
'header': false,
'isPayload': false,
'isStreaming': false,
'location': null,
'marshallLocationName': 'InstanceInitiatedShutdownBehavior',
'queryString': false,
'statusCode': false,
'unmarshallLocationName': 'instanceInitiatedShutdownBehavior',
'uri': false
},
'idempotencyToken': false,
'list': false,
'listModel': null}
"map": false,
"mapModel": null,
"name": "InstanceInitiatedShutdownBehavior",
"setterDocumentation": "/**\n* Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown).
\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown). */",
"setterMethodName": "setInstanceInitiatedShutdownBehavior",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceInitiatedShutdownBehavior",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
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shutdown from the instance (using the operating system command for system shutdown).
\n@vararg\n@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown).
\n@return Returns a reference to this object so that method calls can be chained together. */",
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    "documentation": null
  }
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* @return Returns a reference to this object so that method calls can be chained together.*/",
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/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @return The kernel ID.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

/**
 * The kernel ID.
 * @param kernelId The kernel ID.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param productCodes A list of product codes.*/",
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"setterModel" : {
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 "documentation" : "",
 "simpleType" : "List<ProductCode>",
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\@param productCodes A list of product codes.
\@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
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"enumType" : null,
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@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).*/",
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    "variableType" : "String",
    "documentation" : 
    "\n    @param rootDeviceName The name of the root device (for example, \
    \c<code>/dev/sda1</code> or \c<code>/dev/xvda</code>).
    \n    @return Returns a reference to this object so that method\ncalls can be chained together.
    */",
    "simple" : true,
    "varargSetterDocumentation" : "/*<p>The name of the root device (for example, \c<code>/dev/sda1</code> or
\c<code>/dev/xvda</code></p>\n\n@n@param rootDeviceName The name of the root device (for example,
\c<code>/dev/sda1</code> or \c<code>/dev/xvda</code>)).\n\n@n@return Returns a reference to this object so that method\ncalls can be chained together.
*/",
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        \c<code>/dev/xvda</code>).
        
        @return Returns a reference to this object so that method calls can be chained together.
        */",
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        "c2jName" : "SourceDestCheck",
        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "\n        Indicates whether source/destination checking is enabled. A value of
        \c<code>true</code> means checking is enabled, and \c<code>false</code> means checking is disabled. This value
        must be \c<code>false</code> for a NAT instance to perform NAT.
        
        @param sourceDestCheck Indicates whether source/destination checking is enabled. A value of
        \c<code>true</code> means checking is enabled, and \c<code>false</code> means checking is disabled. This value
        must be \c<code>false</code> for a NAT instance to perform NAT.
        @return Returns a reference to this object so that method calls can be chained together.
        */",
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        "getterDocumentation" : "/**\n        Indicates whether source/destination checking is enabled. A value of
        \c<code>true</code> means checking is enabled, and \c<code>false</code> means checking is disabled. This value
        must be \c<code>false</code> for a NAT instance to perform NAT.
        
        @return Indicates whether
source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/

getterMethodName" : "getSourceDestCheck",
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"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.</p>\n@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/",
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"setterModel" : {
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"variableType" : "Boolean",
"documentation" : "",
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"variableSetterType" : "Boolean"
},
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"varargSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/

In param sourceDestCheck Indicates
whether source/destination checking is enabled. A value of `<code>true</code>` means checking is enabled, and `<code>false</code>` means checking is disabled. This value must be `<code>false</code>` for a NAT instance to perform NAT.

```java
@Override
public void instantiate(String instanceId) throws Exception {
    if (sourceDestCheck) {
        // Perform source/destination checking...
    } else {
        // Perform NAT...
    }
}
```

The `sourceDestCheck` flag is useful for scenarios where you need to control the way traffic is routed. It's recommended to keep it disabled for a NAT instance to perform NAT.

```java
public void start() throws Exception {
    if (isNAT) {
        // Start NAT process...
    } else {
        // Start source/destination checking...
    }
}
```

In summary, enabling source/destination checking adds an additional layer of security by ensuring that traffic is only processed if it matches the configured rules. Disabling it is generally sufficient for a NAT setup to function correctly.

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"mapModel" : null,
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"setterMethodName" : "setSriovNetSupport",
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  "documentation" : "",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p><p>@param sriovNetSupport Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.<p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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@param userData The user data.*/",
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@param userData The user data.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"idempotencyToken" : false,
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"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**
 * The device name exposed to the instance (for example, ...
 */
@param deviceName The device name exposed to the instance (for example, ...
@return Returns a reference to this object so that method calls can be chained together.
*/

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 "documentation" : "",
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 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The device name exposed to the instance (for example, ...
 */
@param deviceName The device name exposed to the instance (for example, ...

@return Returns a reference to this object so that method calls can be chained together.
*/

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"enumType" : null,
"fluuentSetterDocumentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.

@return Returns a reference to this object so that method calls can be chained together.
*/"}
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@return Parameters used to automatically set up EBS volumes when the instance is launched.*/&”,

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  “documentation” : null
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“mapModel” : null,

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“setterDocumentation” : “/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>*/
@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.*/&”,

“setterMethodName” : “setEbs”,

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  “variableSetterType” : “EbsInstanceBlockDevice”
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@param ebs Parameters used to automatically set up EBS volumes when the instance is launched.
@return Returns a reference to this object so that method calls can be chained together.*/&”,

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"documentation" : "&lt;p&gt;Parameters used to automatically set up EBS volumes when the instance is launched.&lt;/p&gt;",
"simpleType" : "EbsInstanceBlockDevice",
"variableSetterType" : "EbsInstanceBlockDevice"
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]},
"membersAsMap" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).&lt;/p&gt;",
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"fluentSetterDocumentation" : "/**&lt;p&gt;The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).\n@param deviceName The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withDeviceName",
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"documentation" : null
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"unmarshallLocationName" : "deviceName",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
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<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or 
<code>xvdh</code>).\n</p>",
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  "variableSetterType": "String"
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation": "/**<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
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    "documentation": null
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  "greedy" : false,
  "header" : false,
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    "variableType" : "EbsInstanceBlockDevice",
    "documentation" : "",
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    "variableSetterType" : "EbsInstanceBlockDevice"
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  "simple" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
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    "variableSetterType" : "EbsInstanceBlockDevice"
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  "variableSetterType": "InstanceBlockDeviceMapping"
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  "deprecated": false,
  "documentation": "<p>Describes a block device mapping entry.</p>",
  "enums": null,
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  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [{
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    "c2jShape": "String",
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    "documentation": "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n</p>",
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@returns\nA reference to this object\nso that method calls can be chained together.*/\n",
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}...
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.";
"enumType" : null,
"fluentSetterDocumentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.

```java
    @param ebs Parameters used to automatically set up EBS volumes when the instance is launched
    @return Returns a reference to this object so that method calls can be chained together.
"
    "fluentSetterMethodName" : "withEbs",
    "getterDocumentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.

```java
    @return Parameters used to automatically set up EBS volumes when the instance is launched.
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        "uri" : false
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    "setterDocumentation" : "Parameters used to automatically set up EBS volumes when the instance is"
launched.

@ebs Parameters used to automatically set up EBS volumes when the instance is launched.*/

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  "documentation" : "]",
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  "isStreaming" : false,
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@param virtualName The virtual device name.*/",
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  "variableSetterType" : "String"
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@return suppress the specified device included in the block device mapping.*/"
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    "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>suppress the specified device included in the block device
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@param noDevice suppress the specified device included in the block device mapping.
@return
Returns a reference to this object so that method calls can be chained together.*/",
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    "variableSetterType" : "String"
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  "documentation": "The device name exposed to the instance (for example, /dev/sdh or xvdh)."
},

"enumType": null,

"fluentSetterDocumentation": "The device name exposed to the instance (for example, 
/dev/sdh or xvdh).

@returns Returns a reference to this object so that method calls can be chained together.
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"fluentSetterMethodName": "withDeviceName",

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/dev/sdh or xvdh).

@return The device name exposed to the instance (for example, 
/dev/sdh or xvdh)."
",

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  "uri": false
},

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"list": false,

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"map": false,

"mapModel": null,

"name": "DeviceName",

"setterDocumentation": "The device name exposed to the instance (for example, 
/dev/sdh or xvdh).

@returns Returns a reference to this object so that method calls can be chained together.
",

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"xmlNameSpaceUri": null
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "deprecated" : false,
  "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
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  "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
  "returnType" : "EbsInstanceBlockDeviceSpecification",
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  "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>
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  "deprecated" : false,
  "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.*/
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
Parameters used to automatically set up EBS volumes when the instance is launched.

```java
@Param
@Ebs

Parameters used to automatically set up EBS volumes when the instance is launched.

@Ebs
```
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mapping.</p>
@param noDevice suppress the specified device included in the block device mapping.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withNoDevice",
"getterDocumentation" : "/**<p>suppress the specified device included in the block device
mapping.</p>
@return suppress the specified device included in the block device mapping. */",
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"list" : false,
"listModel" : null,
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@param noDevice suppress the specified device included in the block device mapping.
@return
Returns a reference to this object so that method calls can be chained together. */",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>suppress the specified device included in the block device
mapping.</p>
@param noDevice suppress the specified device included in the block device mapping.
@return Returns a reference to this object so that method calls can be chained together. */"
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},
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  "deprecated" : false,
  "documentation" : "<p>The virtual device name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The virtual device name.</p>
@returns The virtual device name.
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVirtualName",
  "getterDocumentation" : "/**<p>The virtual device name.</p>
@returns The virtual device name.
@returns Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : null
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VirtualName",
  "setterDocumentation" : "/**<p>The virtual device name.</p>
@returns The virtual device name.
@returns Returns a reference to this object so that method calls can be chained together.*/"
"setterMethodName" : "setVirtualName",
"setterModel" : {
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    "variableSetterType" : "String"
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"simple" : true,
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@param virtualName The virtual device name.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
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    "variableSetterType" : "String"
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"unmarshaller" : {
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    "resultWrapper" : null
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    "variableType" : "InstanceBlockDeviceMappingSpecification",
    "documentation" : null,
    "simpleType" : "InstanceBlockDeviceMappingSpecification",
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"enums": null,
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Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The instance type size supported by the Dedicated Host.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of instances that can still be launched onto the Dedicated Host.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of instances that can still be launched onto the Dedicated Host.</p>
@param availableCapacity The number of instances that can still be launched onto the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailableCapacity",
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@return The number of instances that can still be launched onto the Dedicated Host.*/",
"getterMethodName" : "getAvailableCapacity",
"getterModel" : {
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jShape": "Integer",
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  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The total number of instances that can be launched onto the Dedicated Host.</p>
@param totalCapacity The total number of instances that can be launched onto the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "isStreaming" : false,
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"documentation" : "<p>The total number of instances that can be launched onto the Dedicated Host.</p>",
"simpleType" : "Integer",
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 "enumType" : null,
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Host.\n@returns The number of instances that can still be launched onto the Dedicated
Host.\n*/",
 "fluentSetterMethodName" : "withAvailableCapacity",
 "getterDocumentation" : "/**\n@returns The number of instances that can still be launched onto the Dedicated
Host.\n*/",
 "getterMethodName" : "getAvailableCapacity",
 "getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
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Host.\n@returns The number of instances that can still be launched onto the Dedicated
Host.\n*/",}
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  "variable\_Setter\_Type" : "Integer"
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@param availableCapacity The number of instances that can still be launched onto the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variable\_Setter\_Type" : "Integer"
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  "c2j\_Shape" : "String",
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  "documentation" : "<p>The instance type size supported by the Dedicated Host.</p>",
  "enum\_Type" : null,
  "fluent\_Setter\_Documentation" : "/**<p>The instance type size supported by the Dedicated Host.</p>
@param instance\_Type The instance type size supported by the Dedicated Host.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluent\_Setter\_MethodName" : "withInstance\_Type",
  "getter\_Documentation" : "/**<p>The instance type size supported by the Dedicated Host.</p>
@return The instance type size supported by the Dedicated Host.*/",
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    "is\_Streaming" : false,
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  "isPayload": false,
  "isStreaming": false,
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  "queryString": false,
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  "unmarshallLocationName": "totalCapacity",
  "uri": false
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  "variableSetterType": "Integer"
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"variableSetterType" : "Integer"
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 "resultWrapper" : null
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 "variableName" : "instanceCapacity",
 "variableType" : "InstanceCapacity",
 "documentation" : null,
 "simpleType" : "InstanceCapacity",
 "variableSetterType" : "InstanceCapacity"
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"wrapper" : false
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"InstanceCount" : {
 "c2jName" : "InstanceCount",
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 "enums" : null,
 "errorCode" : null,
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 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
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 "marshaller" : null,
 "members" : [ {
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  "c2jShape" : "ListingState",
  "deprecated" : false,
  "documentation" : "<p>The states of the listed Reserved Instances.</p>",
  "enumType" : "ListingState",
  "fluentSetterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>
\n@param state The
states of the listed Reserved Instances.

@return Returns a reference to this object so that method calls can be
chained together.

@see ListingState*/

"setterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>

@param state The states of the listed Reserved Instances.

@return Returns a reference to this object so that method calls can be
chained together.

@see ListingState*/

"setterMethodName" : "setState",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>

@return Returns a reference to this object so that method calls can be
chained together.

@see ListingState*/

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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "Integer",
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"fluentSetterDocumentation" : "The number of listed Reserved Instances in the state specified by the
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"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "The number of listed Reserved Instances in the state specified by the
<code>state</code>. \n@return The number of listed Reserved Instances in the state specified by the
<code>state</code>.
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount"
"setterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the</p>
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the <code>state</code>.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
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  "variableName" : "instanceCount",
  "variableType" : "Integer",
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  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the</p>
@code>state</code>.*/
@param instanceCount The number of listed Reserved Instances in the state specified by
the <code>state</code>.!
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>

"complexType" : "Integer",
"variableSetterType" : "Integer"
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    "documentation" : "<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the</p>
@code>state</code>.*/
@param instanceCount The number of listed Reserved Instances in the state specified by
the <code>state</code>.!
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>

"getMethodName" : "getInstanceCount",
"getMethodModel" : {
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "instanceCount",
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    "variableSetterType": "Integer"
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    "simpleType": "Integer",
    "variableSetterType": "Integer"
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"State" : {
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  "c2jShape" : "ListingState",
  "deprecated" : false,
  "documentation" : "<p>The states of the listed Reserved Instances.</p>",
  "enumType" : "ListingState",
  "fluentSetterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n@param state The states of the listed Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ListingState*/",
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  "getterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n@return The states of the listed Reserved Instances.\n@see ListingState*/",
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    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
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  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**<p>The states of the listed Reserved Instances.</p>\n@param state The states of the listed Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ListingState*/",
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    "template":null,
    "title":null,
    "type":null,
    "value":null
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"variableSetterType" : "String"
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"simple" : true,
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@param state The states of the listed Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method
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@see ExportEnvironment*/",
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"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  @return Returns a reference to this object so that method calls can be chained together. */",
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  @return The IPv6 address. */",
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  "listModel" : null,
  "map" : false,
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  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
  @param ipv6Address The IPv6 address.
  */"}
@return Returns a reference to this object so that method calls can be chained together.*\\*/

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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "value": "scheduled"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the instance.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**<p>The monitoring for the instance.</p>
@return The monitoring for the instance.*/",
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  "documentation": null
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "monitoring",
  "uri": false
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"variableSetterType" : "String"
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"deprecated" : false,
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"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The monitoring for the instance.*/",
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   "documentation" : null
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 "simple" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/"
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    "variableSetterType" : "InstanceMonitoring"
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    "deprecated" : false,
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    "errorCode" : null,
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    "hasStatusCodeMember" : false,
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    "marshaller" : null,
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"enumType" : null,
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"fluentSetterMethodName" : "withNetworkInterfaceId",
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"getterMethodName" : "getNetworkInterfaceId",
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"isStreaming" : false,
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"uri" : false
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"idempotencyToken" : false,
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"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/*<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.*/",
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"variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*\*/", "variable" : {
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  "documentation" : "<p>The ID of the network interface.</p>",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*\*/",
"getterMethodName" : "getSubnetId",
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  "returnType" : "String",
  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
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"listModel" : null,
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"name" : "SubnetId".

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* \n* @param subnetId The ID of the subnet.
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* \n* @return Returns a reference to this object so that method calls can be chained together.
*/",
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* \n* @param vpcId The ID of the VPC.
* \n* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**\n* The ID of the VPC.
* \n* @return The ID of the VPC.
*/",
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*\n@param vpcId The ID of the VPC.
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*\n@return
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*\n@param description The description.
*\n@return
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"getterDocumentation": "/**
*p The description.
*\n@return
*The description.
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  "variableSetterType" : "String"
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@param description The description.
@return
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the AWS account that created the network interface.</p>
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@param ownerId The ID of the AWS account that created the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "simpleType" : "String",
 "variableSetterType" : "String"
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"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType": "NetworkInterfaceStatus",
"fluentSetterDocumentation": "/**<p>The status of the network interface.</p>
@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus*/",
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"getterDocumentation": "/**<p>The status of the network interface.</p>
@return The status of the network interface.
@see NetworkInterfaceStatus*/",
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@param status The status of the network interface.
@see NetworkInterfaceStatus*/"
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  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus*/",
"variable" : {
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  "variableType" : "String",
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  "variableSetterType" : "String"
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 "c2jShape" : "String",
 "deprecated" : false,
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 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*/*/",
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 "getterDocumentation" : "/**<p>The MAC address.</p>
@return The MAC address.*/*/",
 "getMethodName" : "getMacAddress",
 "getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isStreaming" : false,
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"statusCode" : false,
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"listModel" : null,
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"mapModel" : null,
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@param macAddress The MAC address.*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The MAC address.</p>

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  "variableSetterType" : "String"
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"c2jShape" : "String",
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"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@return The IPv4 address of the network interface within the subnet.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
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  "additionalUnmarshallingPath": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "privateIpAddress",
  "uri": false
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"list": false,
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**\n<p>The IPv4 address of the network interface within the subnet.</p>\n@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
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"setterModel": {
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  "simpleType": "String",
  "variableSetterType": "String"
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  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "<p>The IPv4 address of the network interface within the subnet.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "PrivateDnsName"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\<p\>The private DNS name.\</p\>",
"enumType" : null,
"fluentSetterDocumentation" : "\/**<p\>The private DNS name.\</p\>\n@param privateDnsName The private DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "\/**<p\>The private DNS name.\</p\>\n@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "\/**<p\>The private DNS name.\</p\>\n@param privateDnsName The private DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "\/**<p\>The private DNS name.\</p\>\n@param privateDnsName The private DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : ""<p>The private DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : ""<p>Indicates whether to validate network traffic to or from this network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : ""/**<p>Indicates whether to validate network traffic to or from this network interface.</p><@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.</@param>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : ""/**<p>Indicates whether to validate network traffic to or from this network interface.</p><@return Indicates whether to validate network traffic to or from this network interface.</@return>\n\n@return Indicates whether to validate network traffic to or from this network interface.*\"",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceDestCheck",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceDestCheck",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : ""/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@returns a reference to this object so that method calls can be chained together.*/"
interface.

/**
 * Indicates whether to validate network traffic to or from this network interface.
 */

public boolean isSourceDestCheck();

/**
 * Indicates whether to validate network traffic to or from this network interface.
 */

public void setSourceDestCheck(boolean value);

/**
 * Indicates whether to validate network traffic to or from this network interface.
 */

public void withGroups(List<GroupIdentifier> groups);

/**
 * Indicates whether to validate network traffic to or from this network interface.
 */

public List<GroupIdentifier> getGroups();
"marshallLocationName" : "GroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */"}
"setterMethod_Name" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "GroupIdentifier",
  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>One or more security groups.</p>
@param groups One or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>
}
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security groups. </p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setGroups(java.util.Collection)} or { @link #withGroups(java.util.Collection)} if you want to override the existing values. </p><p>@param groups One or more security groups. </p>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "<p>One or more security groups. </p>",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Attachment",
"c2jShape" : "InstanceNetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The network interface attachment. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The network interface attachment. </p>@param attachment The network interface attachment. </p>@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The network interface attachment. </p>@return The network interface attachment. */",
"getterMethodName" : "getAttachment",
"getterModel" : {
"returnType" : "InstanceNetworkInterfaceAttachment",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attachment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attachment",
"setterDocumentation": "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.*/",
"setterMethodName": "setAttachment",
"setterModel": {
  "variableDeclarationType": "InstanceNetworkInterfaceAttachment",
  "variableName": "attachment",
  "variableType": "InstanceNetworkInterfaceAttachment",
  "documentation": "",
  "simpleType": "InstanceNetworkInterfaceAttachment",
  "variableSetterType": "InstanceNetworkInterfaceAttachment"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "attachment",
  "variableType": "InstanceNetworkInterfaceAttachment",
  "documentation": "<p>The network interface attachment.</p>
  "simpleType": "InstanceNetworkInterfaceAttachment",
  "variableSetterType": "InstanceNetworkInterfaceAttachment"
},
"xmlNameSpaceUri": null
},
"c2jName": "Association",
"c2jShape": "InstanceNetworkInterfaceAssociation",
"deprecated": false,
"documentation": "<p>The association information for an Elastic IPv4 associated with the network interface.</p>
  "fluentSetterDocumentation": "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
  @param association The association information for an Elastic IPv4 associated with the network interface.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withAssociation",
  "getterDocumentation": "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
  @return The association information for an Elastic IPv4 associated with the network interface.*/",
  "getterMethodName": "getAssociation",
  "getterModel": {
    "returnType": "InstanceNetworkInterfaceAssociation",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**
 * The association information for an Elastic IPv4 associated with the network interface.
 */
\n@param association The association information for an Elastic IPv4 associated with the network interface.*\n",
"setterMethodName" : "setAssociation",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The association information for an Elastic IPv4 associated with the network interface.
 */\n\n@param association The association information for an Elastic IPv4 associated with the network interface.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
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"c2jName" : "PrivateIpAddresses",
"c2jShape" : "InstancePrivateIpAddressList"
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>\n@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>\n@return One or more private IPv4 addresses associated with the network interface.*/",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
  "returnType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddressesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddressesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstancePrivateIpAddress",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstancePrivateIpAddress",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstancePrivateIpAddress",
  "variableName": "member",
  "variableType": "InstancePrivateIpAddress",
  "documentation": "",
  "simpleType": "InstancePrivateIpAddress",
  "variableSetterType": "InstancePrivateIpAddress"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "InstancePrivateIpAddress",
  "variableName": "member",
  "variableType": "InstancePrivateIpAddress",
  "documentation": "",
  "simpleType": "InstancePrivateIpAddress",
  "variableSetterType": "InstancePrivateIpAddress"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstancePrivateIpAddress",
"map": false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstancePrivateIpAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
"templateType" : "java.util.List<InstancePrivateIpAddress>",
}
,"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : "",
  "simpleType" : "List<InstancePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<InstancePrivateIpAddress>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : "<p>One or more private IPv4 addresses associated with the network interface.</p>",
  "simpleType" : "List<InstancePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<InstancePrivateIpAddress>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "<p>One or more IPv6 addresses associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more IPv6 addresses associated with the network interface.</p>
@param ipv6Addresses One or more IPv6 addresses associated with the network interface.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : "",
  "simpleType" : "List<InstancePrivateIpAddress>",
  "variableSetterType" : "java.util.Collection<InstancePrivateIpAddress>"
},
"xmlNameSpaceUri" : null
}
interface.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>One or more IPv6 addresses associated with the network interface.</p>

@return One or more IPv6 addresses associated with the network interface.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<InstanceIpv6Address>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceIpv6Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceIpv6Address",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"getterMethodName" : "getAssociation",
getterModel" : {
"returnType" : "InstanceNetworkInterfaceAssociation",
"documentation" : null
},
http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@param association The association information for an Elastic IPv4 associated with the network interface.*/",
"setterMethodName" : "setAssociation",
setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IPv4 associated with the network interface.</p>
@param association The association information for an Elastic IPv4 associated with the network interface:
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "association",
"variableType" : "InstanceNetworkInterfaceAssociation",
"documentation" : "",
"documentation" : "<p>The association information for an Elastic IPv4 associated with the network interface.</p>"
"simpleType" : "InstanceNetworkInterfaceAssociation",
"variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"Attachment" : {
"c2jName" : "Attachment",
"c2jShape" : "InstanceNetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "<p>The network interface attachment.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The network interface attachment.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>The network interface attachment.</p>
@return The network interface attachment.
*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
"returnType" : "InstanceNetworkInterfaceAttachment",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attachment",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachment",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>The network interface attachment.</p>
@return The network interface attachment.
*/",
"setterMethodName" : "setAttachment",
"setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceAttachment"}
"variableName" : "attachment",
"variableType" : "InstanceNetworkInterfaceAttachment",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceAttachment",
"variableSetterType" : "InstanceNetworkInterfaceAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "InstanceNetworkInterfaceAttachment",
    "variableName" : "attachment",
    "variableType" : "InstanceNetworkInterfaceAttachment",
    "documentation" : "<p>The network interface attachment.</p>",
    "simpleType" : "InstanceNetworkInterfaceAttachment",
    "variableSetterType" : "InstanceNetworkInterfaceAttachment"
},
"xmlNameSpaceUri" : null
},
"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The description.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>The description.</p>
@param description The description.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**\n<p>The description.</p>
@return The description.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Description",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "description",
        "xmlNameSpaceUri" : null
    }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The description.</p>
@param description The description.*/",
"setterMethodName" : "setDescription",
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"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description.</p>
@param description The description.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>The description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Groups" : {
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>One or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security groups.</p>
@param groups One or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>One or more security groups.</p>
@return One or more security groups.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<GroupIdentifier>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*@param member @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "ReturnType" : "GroupIdentifier",
      "documentation" : null
    }
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>One or more security groups.</p>
@param groups One or more security groups.</p>*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>",
"simple" : false,
"varargSetterDocumentation" : "/**\n * One or more security groups.
 * \n * **NOTE:** This method appends the values to the existing list (if any). Use @link #setGroups(java.util.Collection) or @link
#withGroups(java.util.Collection) if you want to override the existing values.

\n * @param groups One or more security groups.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
 "variableName" : "groups",
 "variableType" : "java.util.List<GroupIdentifier>",
 "documentation" : "One or more security groups.
 * \n * **NOTE:** This method appends the values to the existing list (if any). Use @link #setGroups(java.util.Collection) or @link
#withGroups(java.util.Collection) if you want to override the existing values.

 * @param groups One or more security groups.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
 "c2jName" : "Ipv6Addresses",
 "c2jShape" : "InstanceIpv6AddressList",
 "deprecated" : false,
 "documentation" : "One or more IPv6 addresses associated with the network interface.

 * @param ipv6Addresses One or more IPv6 addresses associated with the network interface.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
 "getterDocumentation" : "/**\n * One or more IPv6 addresses associated with the network interface.

 * @return One or more IPv6 addresses associated with the network interface.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
 "returnType" : "java.util.List<InstanceIpv6Address>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
}
"marshallLocationName": "Ipv6AddressesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6AddressesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\n     */",
    "fluentSetterMethodName": "withMember",
    "getDocumentation": "/**\n     * @return *
     */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InstanceIpv6Address",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param member *
     */".
  }
}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
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  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more IPv6 addresses associated with the network
interface.</p>
@param ipv6Addresses One or more IPv6 addresses associated with the network interface. */",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<InstanceIpv6Address>",
  "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple": false,
"varargSetterDocumentation": "/*\<p>One or more IPv6 addresses associated with the network
interface.</p>\<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link
#setIpv6Addresses(java.util.Collection) \} or \{ @link #withIpv6Addresses(java.util.Collection) \} if you want
to override the existing values.</p>\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
 "variableName": "ipv6Addresses",
 "variableType": "java.util.List<InstanceIpv6Address>",
 "documentation": "\<p>One or more IPv6 addresses associated with the network interface.</p>\",
 "simpleType": "List<InstanceIpv6Address>",
 "variableSetterType": "java.util.Collection<InstanceIpv6Address>",
},
"xmlNameSpaceUri": null
},
"MacAddress": {
 "c2jName": "MacAddress",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "\<p>The MAC address.</p>\",
 "enumType": null,
 "fluentSetterDocumentation": "/*\<p>The MAC address.</p>\n\@param macAddress The MAC
address.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName": "withMacAddress",
 "getterDocumentation": "/*\<p>The MAC address.</p>\n\@return The MAC address.*/",
 "getterMethodName": "getMacAddress",
 "getterModel": {
 "returnType": "String",
 "documentation": null
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 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
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 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
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 "marshallLocationName": "MacAddress",
 "queryString": null,
 "statusCode": false,
 "unmarshallLocationName": "macAddress",
 "uri": false
 },
 "idempotencyToken": false,
 "list": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/*\n@param networkInterfaceId The ID of the network interface.\n*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"OwnerId" : {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the AWS account that created the network interface.</p>",
  "enumType" : null,
The ID of the AWS account that created the network interface.<br/>

```java
@Param ownerId
The ID of the AWS account that created the network interface.

@returns
Returns a reference to this object so that method calls can be chained together.
```
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateDnsName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateDnsName",
    "variableType" : "String",
    "documentation" : "<p>The private DNS name.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
    "c2jName" : "PrivateIpAddress",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrivateIpAddress",
    "getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@return The IPv4 address of the network interface within the subnet.*/",
    "getterMethodName" : "getPrivateIpAddress",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PrivateIpAddress",
    },
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
  "returnType" : "java.util.List<InstancePrivateIpAddress>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddressesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddressesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstancePrivateIpAddress",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstancePrivateIpAddress",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"map": false,
"mapModel": null,
"name": "PrivateIpAddresses",
"setterDocumentation": "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.*/",
"setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<InstancePrivateIpAddress>",
  "documentation": "",
  "simpleType": "List<InstancePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<InstancePrivateIpAddress>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more private IPv4 addresses associated with the network interface.</p>
\n\n\n**<p>NOTE:</p> This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddresses(java.util.Collection)} or {@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.</p>
@param privateIpAddresses One or more private IPv4 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstancePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<InstancePrivateIpAddress>",
  "documentation": "One or more private IPv4 addresses associated with the network interface.",
  "simpleType": "List<InstancePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<InstancePrivateIpAddress>"
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"xmlNameSpaceUri": null
},
"SourceDestCheck": {
  "c2jName": "SourceDestCheck",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Indicates whether to validate network traffic to or from this network interface.",
  "enumType": "null",
  "fluentSetterDocumentation": "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
\n\n\nIndicates whether to validate network traffic to or from this network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSourceDestCheck",
  "getterDocumentation": "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
\n\n\nIndicates whether to validate network traffic to or from this network interface.*/",
  "getterMethodName": "getSourceDestCheck",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": "null"
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SourceDestCheck",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "sourceDestCheck",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether to validate network traffic to or from this network interface.</p>
@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.*\/*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "sourceDestCheck",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to validate network traffic to or from this network interface.
\n@param sourceDestCheck Indicates whether to validate network traffic to or from this network interface.
\n@return Returns a reference to this object so that method calls can be chained together.*\/*/",
"variable" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "sourceDestCheck",
   "variableType" : "Boolean",
   "documentation" : "<p>Indicates whether to validate network traffic to or from this network interface.</p>",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "NetworkInterfaceStatus",
  "deprecated" : false,
  "documentation" : "<p>The status of the network interface.</p>",
  "enumType" : "NetworkInterfaceStatus",
  "fluentSetterDocumentation" : "/**<p>The status of the network interface.</p><p>@param status The status of the network interface.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see NetworkInterfaceStatus*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/**<p>The status of the network interface.</p><p>@return The status of the network interface.</p><p>@see NetworkInterfaceStatus*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "status",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Status",
  "setterDocumentation" : "/**<p>The status of the network interface.</p><p>@param status The status of the network interface.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see NetworkInterfaceStatus*/",
  "setterMethodName" : "setStatus",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
The status of the network interface.

@see NetworkInterfaceStatus

The ID of the subnet.

@see Subnet
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "InstanceNetworkInterface",
"unmarshaller": {
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  "resultWrapper": null
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"variable": {
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  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"variableName" : "instanceNetworkInterface",
"variableType" : "InstanceNetworkInterface",
"documentation" : null,
"simpleType" : "InstanceNetworkInterface",
"variableSetterType" : "InstanceNetworkInterface"
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"wrapper" : false
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"InstanceNetworkInterfaceAssociation" : {
"c2jName" : "InstanceNetworkInterfaceAssociation",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
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 "deprecated" : false,
 "documentation" : "<p>Describes association information for an Elastic IP address (IPv4).</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "PublicIp",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
 @param publicIp The public IP address or Elastic IP address bound to the network interface.
 @return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPublicIp",
 "getterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
 @return The public IP address or Elastic IP address bound to the network interface.</p>",
 "getterMethodName" : "getPublicIp",
 "getterModel" : { 
 "returnType" : "String",
 "documentation" : null
 },
 "http" : { 
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
@param publicIp The public IP address or Elastic IP address bound to the network interface.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public IP address or Elastic IP address bound to the network interface.</p>
@param publicIp The public IP address or Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
],
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"c2jName" : "PublicDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The public DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The public DNS name.</p>
@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPublicDnsName",
"xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The public DNS name.</p>
\n@return The public DNS name.*/",
"getterMethodName" : "getPublicDnsName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicDnsName",
"setterDocumentation" : "/**<p>The public DNS name.</p>
\n@param publicDnsName The public DNS name.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPublicDnsName",
"setterModel" : {
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  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The public DNS name.</p>
\n@param publicDnsName The public DNS name.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "<p>The public DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
The ID of the owner of the Elastic IP address.

@returns Returns a reference to this object so that method calls can be chained together.

setterDocumentation : "/**<p>The ID of the owner of the Elastic IP address.</p>
@param ipOwnerId The ID of the owner of the Elastic IP address.*/",
setterMethodName : "setIpOwnerId",
setterModel : {
"variableDeclarationType" : "String",
"variableName" : "ipOwnerId",
"variableType" : "String",
"documentation" : "",
"xmlNameSpaceUri" : null
}, { "c2jName" : "IpOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the owner of the Elastic IP address.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the owner of the Elastic IP address.&lt;/p&gt;&lt;n&gt;@param ipOwnerId The ID of the owner of the Elastic IP address.&lt;/n&gt;&lt;/p&gt;&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/n&gt;&lt;/p&gt;&lt;n&gt;setterDocumentation : "/**&lt;p&gt;The ID of the owner of the Elastic IP address.&lt;/p&gt;&lt;n&gt;setterMethodName : "setIpOwnerId",
setterModel : {
"variableDeclarationType" : "String",
"variableName" : "ipOwnerId",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
@param ipOwnerId
The ID of the owner of the Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The ID of the owner of the Elastic IP address.</p>
@param ipOwnerId The ID of the owner of the Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"IpOwnerId" : {
"c2jName" : "IpOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the owner of the Elastic IP address.</p>
@return The ID of the owner of the Elastic IP address.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
@param ipOwnerId The ID of the owner of the Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpOwnerId",
"getterDocumentation" : "/**<p>The ID of the owner of the Elastic IP address.</p>
@return The ID of the owner of the Elastic IP address.*/",
"getterMethodName" : "getIpOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipOwnerId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpOwnerId",
"setterDocumentation" : "<p>The ID of the owner of the Elastic IP address.</p>
@param ipOwnerId The ID of the owner of the Elastic IP address.
*/",
"setterMethodName" : "setIpOwnerId",
"setterModel" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the owner of the Elastic IP address.</p>\n@param ipOwnerId The ID of the owner of the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "The ID of the owner of the Elastic IP address.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,

"PublicDnsName" : {
  "c2jName" : "PublicDnsName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The public DNS name.\n",
  "enumType" : null,
  "fluentSetterDocumentation" : "The public DNS name.\n@param publicDnsName The public DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPublicDnsName",
  "getterDocumentation" : "The public DNS name.\n@param publicDnsName The public DNS name.\n@return The public DNS name.*/",
  "getterMethodName" : "getPublicDnsName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicDnsName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicDnsName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicDnsName",
"setterDocumentation" : "/**\n* The public DNS name.
* @param publicDnsName The public DNS name.
*/",
"setterMethodName" : "setPublicDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n* The public DNS name.
* @param publicDnsName The public DNS name.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
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  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "<p>The public DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicIp" : {
  "c2jName" : "PublicIp",
  "c2jShape" : "String"
interface.\n@param publicIp The public IP address or Elastic IP address bound to the network interface.\n@return Returns a reference to this object so that method calls can be chained together. */
    
    "variable" : {
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        "variableName" : "publicIp",
        "variableType" : "String",
        "documentation" : "The public IP address or Elastic IP address bound to the network interface.\n    
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
}]
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterfaceAssociation",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
    "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
    "variableName" : "instanceNetworkInterfaceAssociation",
    "variableType" : "InstanceNetworkInterfaceAssociation",
    "documentation" : null,
    "simpleType" : "InstanceNetworkInterfaceAssociation",
    "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"wrapper" : false
},
"InstanceNetworkInterfaceAttachment" : {
    "c2jName" : "InstanceNetworkInterfaceAttachment",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Describes a network interface attachment.\n",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "unmarshaller" : null
}
"members" : [ 
  "c2jName" : "AttachmentId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@returns {a reference to this object so that method calls can be chained together.}*/",
  "fluentSetterMethodName" : "withAttachmentId",
  "getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@returns {The ID of the network interface attachment.}*/",
  "getterMethodName" : "getAttachmentId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattned" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AttachmentId",
  "setterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@returns {The ID of the network interface attachment.}*/",
  "setterMethodName" : "setAttachmentId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "attachmentId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
]
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param
attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "DeviceIndex",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment.
@return The index of the device on the instance for the network interface attachment.*/",
  "fluentSetterMethodName" : "withDeviceIndex",
  "getterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@return The index of the device on the instance for the network interface attachment.*/",
  "getterMethodName" : "getDeviceIndex",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DeviceIndex",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "deviceIndex",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment.*/",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment.</p>
@param deviceIndex The index of the device on the instance for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The attachment state.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The attachment state.</p>
@return The attachment state.
@see AttachmentStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath": null,
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "status",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
"setterDocumentation": "/**\n\n@param status The attachment state.\n@see AttachmentStatus*/",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "status",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\n@param status The attachment state.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "status",
  "variableType": "String",
  "documentation": "<p>The attachment state.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"c2jName": "AttachTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time stamp when the attachment initiated.</p>"
"enumType" : null,
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@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
"getterMethodName" : "getAttachTime",
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"documentation" : null
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAttachTime",
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"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
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@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",}
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  "simpleType" : "Date",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
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@return Indicates whether the network interface is deleted when the instance is terminated.*/",
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  "uri" : false
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  "variableSetterType" : "Boolean"
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  "simpleType" : "Boolean",
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    "c2jShape" : "DateTime",
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    "enumType" : null,
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    "getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>@return The time stamp when the attachment initiated.</p>*/",
    "getterMethodName" : "getAttachTime",
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"queryString": false,
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"unmarshallLocationName": "attachTime",
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@param attachTime The time stamp when the attachment initiated.*/",
"setterMethodName": "setAttachTime",
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  "variableType": "java.util.Date",
  "documentation": "",
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  "variableSetterType": "java.util.Date"
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"simple": true,

"varargSetterDocumentation": "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated. Returns a reference to this object so that method calls can be chained together.*/",

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  "documentation": "<p>The time stamp when the attachment initiated.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the network interface attachment.</p>"
"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAttachmentId",
"getterDocumentation": "*/<p>The ID of the network interface attachment.</p>@return The ID of the network interface attachment.*",
"getterMethodName": "getAttachmentId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "AttachmentId",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "",
  "simple": true,
  "variableSetterType": "String",
  "varargSetterDocumentation": "*/<p>The ID of the network interface attachment.</p>@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/"}
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  "simpleType": "String",
  "variableSetterType": "String"
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  "documentation": "Indicates whether the network interface is deleted when the instance is terminated.\</p>\",
  "enumType": null,
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  "getterDocumentation": "/**\<p>Indicates whether the network interface is deleted when the instance is terminated.\</p>\n\@return Indicates whether the network interface is deleted when the instance is terminated.\*/",
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  "getterModel": {
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    "documentation": null
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  "documentation": "",
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  "variableSetterType": "Boolean"
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  "documentation": "Indicates whether the network interface is deleted when the instance is terminated.",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"DeviceIndex": {
  "c2jName": "DeviceIndex",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "The index of the device on the instance for the network interface attachment.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n  * The index of the device on the instance for the network interface attachment.\n  * @param deviceIndex The index of the device on the instance for the network interface attachment.\n  * @return The index of the device on the instance for the network interface attachment.*/",
  "fluentSetterMethodName": "withDeviceIndex",
  "getterDocumentation": "/**\n  * The index of the device on the instance for the network interface attachment.\n  * @return The index of the device on the instance for the network interface attachment.*/",
  "getterMethodName": "getDeviceIndex",
  "getterModel": {
    "returnType": "Integer",
    "documentation": null
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"isStreaming" : false,
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"marshallLocationName" : "deviceIndex",
"uri" : false
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"map" : false,
"mapModel" : null,

"name" : "DeviceIndex",

"setterDocumentation" : "/*<p>The index of the device on the instance for the network interface attachment.</p>*/
@param deviceIndex The index of the device on the instance for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setDeviceIndex",

"setterModel" : {
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  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,

"varargSetterDocumentation" : "/*<p>The index of the device on the instance for the network interface attachment.</p>*/\n@\n@param deviceIndex The index of the device on the instance for the network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",

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  "documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
  "simpleType" : "Integer",
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"xmlNameSpaceUri" : null
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"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "AttachmentStatus",
  "deprecated" : false,
"documentation" : "<p>The attachment state.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The attachment state.</p>
@return The attachment state.
@see AttachmentStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isStreaming" : false,
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  "unmarshallLocationName" : "status",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/"
AttachmentStatus*/

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    "variableSetterType" : "String"
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  "variableType" : "InstanceNetworkInterfaceAttachment",
  "documentation" : null,
  "simpleType" : "InstanceNetworkInterfaceAttachment",
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"wrapper" : false

"InstanceNetworkInterfaceSpecification" : {
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  "customization" : {
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    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : []
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"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isStreaming" : false,
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  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType": "String",
  "documentation": "<p>The ID of the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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  "c2jShape": "Integer",
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  "documentation": "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDeviceIndex",
  "getterDocumentation": "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>
@return The index of the device on the instance for the network interface attachment. If you are
specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.*/",
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  "getterModel": {
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    "documentation": null
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "deviceIndex",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p><p>@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index."*/",
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"setterModel" : {
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  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
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  "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p><p>@param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p><p>@return Returns a reference to this object so that method calls can be chained together."*/",
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  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index."",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p><p>@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p><p>@return Returns a reference to this object so that method calls can be chained together."*/"."
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>\n\n@return The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>\n\n@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>\n\n@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.\n\n\n**\n\n"simpleType" : "String",
"variableSetterType" : "String"
",
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n**\n\n"enumType" : null,
"fluentSetterDocumentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n**\n\n"getterDocumentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n**\n\n"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**
\nThe description of the network interface. Applies only if creating a network interface when launching an instance.
\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.
*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "\n  The description of the network interface. Applies only if creating a network interface when launching an instance.
  
  @param description The description of the network interface. Applies only if creating a network interface when launching an instance.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "simple" : true,
  "varargSetterDocumentation" : "/**
\nThe description of the network interface. Applies only if creating a network interface when launching an instance.
\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.

  @param description The description of the network interface. Applies only if creating a network interface when launching an instance.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
  "getterDocumentation" : "\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return The private IPv4 address of the network interface.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "\n  The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
  "getterDocumentation" : "\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return The private IPv4 address of the network interface.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "\n  The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
  "getterDocumentation" : "\nThe private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

  @return The private IPv4 address of the network interface.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "\n  The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
launching more than one instance in a `<a>RunInstances</a>` request.*"/

"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.</p>
@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.</p>
@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.

@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a RunInstances</a> request.",&
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"c2jName" : "Groups",
"c2jShape" : "SecurityGroupIdStringList",
"deprecated" : false,
"documentation" : "The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance. 

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>

@return The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
}
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SecurityGroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SecurityGroupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member
     */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}

"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   * @param member
   */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "SecurityGroupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**
<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n\n@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groups",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n\n@link #setGroups(java.util.Collection) or @link #withGroups(java.util.Collection) if you want to override the existing values.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"}
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>
*\n@<param> deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
If set to `<code>true</code>`, the interface is deleted when the instance is terminated. You can specify `<code>true</code>` only if creating a new network interface when launching an instance. 

You cannot specify this option if you're launching more than one instance in a `<a href="/a">RunInstances</a>` request.

```
if (deleteOnTermination)
    deleteOnTermination = true;
```

The `deleteOnTermination` option allows you to specify whether the network interface should be deleted when the instance is terminated. This can be useful for cleaning up resources when an instance is no longer needed. By default, if you do not specify `deleteOnTermination`, it will be set to `false`.

When creating a new network interface, you can specify `deleteOnTermination` only if you're launching a single instance. If you're launching multiple instances, you cannot specify `deleteOnTermination`.

```
private IpAddresses privateIpAddresses = new IpAddresses();
```

The `privateIpAddresses` option allows you to specify one or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a `<a href="/a">RunInstances</a>` request.

```
private IpAddresses privateIpAddresses = new IpAddresses();
```

The `privateIpAddresses` option is a list of `IpAddress` objects. You can specify multiple private IPv4 addresses to assign to the network interface. The primary address is the one that is designated as primary. You cannot specify this option if you're launching more than one instance in a `<a href="/a">RunInstances</a>` request.
Returns a reference to this object so that method calls can be chained together.*"/

"getterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>

@return One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request."*/

"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
 "returnType" : "java.util.List<PrivateIpAddressSpecification>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PrivateIpAddresses",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "privateIpAddressesSet",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "PrivateIpAddressSpecification",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "PrivateIpAddressSpecification",
 "documentation" : null
 },
 "http" : {
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@\param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"simple" : false,
"vararg SetterDocumentation" : "/**\n@\param member returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrivateIpAddressSpecification",
"variableName" : "member",
"variableType" : "PrivateIpAddressSpecification",
"documentation" : "",
"simpleType" : "PrivateIpAddressSpecification",
"variableSetterType" : "PrivateIpAddressSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrivateIpAddressSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddressSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
"templateType" : "java.util.List<PrivateIpAddressSpecification>",
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<PrivateIpAddressSpecification>",
  "documentation" : "",
  "simpleType" : "List<PrivateIpAddressSpecification>",
  "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setPrivateIpAddresses(java.util.Collection)} or {@link #withPrivateIpAddresses(java.util.Collection)} if you want to override the existing values.\n@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddressSpecification>",
  "variableName" : "privateIpAddresses",
  "variableType" : "java.util.List<PrivateIpAddressSpecification>",
  "documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
  "simpleType" : "List<PrivateIpAddressSpecification>",
  "variableSetterType" : "java.util.Collection<PrivateIpAddressSpecification>",
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@return The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecondaryPrivateIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "secondaryPrivateIpAddressCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SecondaryPrivateIpAddressCount",
"setterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>\n@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/
"setterMethodName" : "withSecondaryPrivateIpAddressCount",
"setterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"streaming" : false,
"uriLocation" : null,
"uriModel" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"location" : null,
"marshallLocationName" : "SecondaryPrivateIpAddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "secondaryPrivateIpAddressCount",
"uri" : false
}
secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request. */

```
setterMethodName" : "setSecondaryPrivateIpAddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "secondaryPrivateIpAddressCount",
  "variableType" : "Integer",
  "documentation" : "The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "AssociatePublicIpAddress",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>

"@return Returns a reference to this object so that method calls can be chained together.*/

..."
calls can be chained together.*/

"setterMethodName" : "setAssociatePublicIpAddress",
"setterDocumentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

\n@return Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

\n$\langle"setterMethod\"="set\"setterModel\"="\n\n"variableDeclarationType" : "Boolean",
"variableName" : "associatePublicIpAddress",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociatePublicIpAddress",
"setterDocumentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

\n$\langle"setterMethod\"="set\"setterModel\"="\n\n"variableDeclarationType" : "Boolean",
"variableName" : "associatePublicIpAddress",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
@return Returns a reference to this object so that method calls can be chained together.*/

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "InstanceIpv6AddressList",
  "deprecated" : false,
  "documentation" : "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

  /*<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

  @return Returns a reference to this object so that method calls can be chained together.*/

  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

  @return Returns a reference to this object so that method calls can be chained together.*/

  "fluentSetterMethodName" : "withIpv6Addresses",
  "getterDocumentation" : "/*<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

  @return Returns a reference to this object so that method calls can be chained together.*/

  "getters" : null,
  "shapeName" : "InstanceIpv6AddressList",
  "shaped" : true,
  "shapeType" : "InstanceIpv6AddressList"}
launch.*

"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Addresses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6AddressesSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*
   */",
  "getMember" : { },
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. You cannot specify this option if you've specified a minimum number of IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

This method appends the values to the existing list (if any). Use `@link #setIpv6Addresses(java.util.Collection)` or `@link #withIpv6Addresses(java.util.Collection)` if you want to override the existing values. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

Returns a reference to this object so that method calls can be chained together.

A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
"enumType" : null,
"fluentSetterDocumentation" : "/**p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
"getterDocumentation" : "/**p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@return A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "/**p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/";
the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/

*/

 setterMethodName" : "setIpv6AddressCount",
 "setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "ipv6AddressCount",
 "variableType" : "Integer",
 "documentation" : "",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.<p/>

@<p>param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.

@return Returns a reference to this object so that method calls can be chained together.*/

 */

 "variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "ipv6AddressCount",
 "variableType" : "Integer",
 "documentation" : "<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>

@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.<p/>

 */

 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
 },
 "xmlNameSpaceUri" : null
 } ],
 "membersAsMap" : {
 "AssociatePublicIpAddress" : {
 "c2jName" : "AssociatePublicIpAddress",
 "c2jShape" : "AssociatePublicIpAddress",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

@<p>param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The
public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.

```java
@Transactional
@Nullable
@ReturnValue
public VpcLaunchOption withAssociatePublicIpAddress(boolean associatePublicIpAddress) {
    // Implementation...
}
```

**getterDocumentation**

```java
/**
   * Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
   */

   @Nullable
   @ReturnValue
   public boolean getAssociatePublicIpAddress() {
       // Implementation...
   }
```

**setterDocumentation**

```java
/**
   * Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
   */

   @Nullable
   @ReturnValue
   public VpcLaunchOption setAssociatePublicIpAddress(boolean associatePublicIpAddress) {
       // Implementation...
   }
```
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>. <p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>. <p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>. <p>
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DeleteOnTermination" : {
  "c2jName" : "DeleteOnTermination",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance. <p>
"enumType" : null,
  "fluentSetterDocumentation" : "/** If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance. <p>
  "fluentSetterMethodName" : "withDeleteOnTermination",
  "getterDocumentation" : "/** If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance. <p>
  "return Documentation" : "Returns a reference to this object so that method calls can be chained together. */",
  "withDeleteOnTermination"
}
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@returns Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Boolean",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@returns Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Boolean",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Boolean",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeleteOnTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deleteOnTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**
 If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.*/

@param deleteOnTermination If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.

@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "Boolean",
"variableName" : "deleteOnTermination",
"variableType" : "Boolean",
"documentation" : "$p>If set to <code>true</code>, the interface is deleted when the instance is terminated. You can specify <code>true</code> only if creating a new network interface when launching an instance.</p>$",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "$p>The description of the network interface. Applies only if creating a network interface when launching an instance.</p>$",
"enumType" : null,
"fluentSetterDocumentation" : "/**$p>The description of the network interface. Applies only if creating a network interface when launching an instance.</p>\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**$p>The description of the network interface. Applies only if creating a network interface when launching an instance.</p>\n@return The description of the network interface. Applies only if creating a network interface when launching an instance.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
**DeviceIndex**

- **c2jName**: `DeviceIndex`
- **c2jShape**: `Integer`
- **deprecated**: false
- **documentation**: The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Integer withDeviceIndex(Integer deviceIndex) {
    return withDeviceIndex(deviceIndex);
}
```

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return The index of the device on the instance for the network interface attachment.
 */

public Integer getDeviceIndex() {
    return getDeviceIndex();
}
```

---

**Description**

- **setterDocumentation**: The description of the network interface. Applies only if creating a network interface when launching an instance.
- **setterMethodName**: `setDescription`
- **setterModel**: 

```plaintext
{
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
```

```plaintext
"setterMethodName": "setDescription",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
```

```plaintext
"setterMethodName": "setDescription",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDescription",
```

---

**DeviceIndex**

- **c2jName**: `DeviceIndex`
- **c2jShape**: `Integer`
- **deprecated**: false
- **documentation**: The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Integer withDeviceIndex(Integer deviceIndex) {
    return withDeviceIndex(deviceIndex);
}
```

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return The index of the device on the instance for the network interface attachment.
 */

public Integer getDeviceIndex() {
    return getDeviceIndex();
}
```

---

**Description**

- **setterDocumentation**: The description of the network interface. Applies only if creating a network interface when launching an instance.
- **setterMethodName**: `setDescription`
- **setterModel**: 

```plaintext
{
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
```

```plaintext
"setterMethodName": "setDescription",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
```

```plaintext
"setterMethodName": "setDescription",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "description",
    "variableType": "String",
    "documentation": "The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@param description The description of the network interface. Applies only if creating a network interface when launching an instance.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDescription",
```

---

**DeviceIndex**

- **c2jName**: `DeviceIndex`
- **c2jShape**: `Integer`
- **deprecated**: false
- **documentation**: The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Integer withDeviceIndex(Integer deviceIndex) {
    return withDeviceIndex(deviceIndex);
}
```

```plaintext
/**
 * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a `<a>RunInstances</a>` request, you must provide the device index.
 * @return The index of the device on the instance for the network interface attachment.
 */

public Integer getDeviceIndex() {
    return getDeviceIndex();
}
```
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeviceIndex",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "deviceIndex",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**\n * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.\n */
 \n @param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.*/",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "",
  "simpleType" : "Integer",
  "simpleSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.\n */
 \n @param deviceIndex The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer"
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getMethodName" : "getMember",
"getModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>\n@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.*"",
"setterMethodName" : "setGroups",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>\n<tt>Note:</tt> This method appends the values to the existing list (if any). Use \{ @link #setGroups(java.util.Collection)\} or \{ @link #withGroups(java.util.Collection)\} if you want to override the existing values.\n@param groups The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.\n@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "variableSetterType" : "java.util.Collection<String>"}
"documentation" : "The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.".
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.",
  "enumType" : null,
  "fluentSetterDocumentation" : "A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.",
  "getterDocumentation" : "A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.",
  "getterMethodName" : "getIpv6AddressCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6AddressCount",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",

"setterDocumentation" : "/**<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/",

"setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "ipv6AddressCount",
  "variableType" : "Integer",
  "documentation" : "<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"Ipv6Addresses" : {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "InstanceIpv6AddressList",
  "deprecated" : false,
  "documentation" : "One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
  †<p>`
  "enumType" : null,
  "fluentSetterDocumentation" : "One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
  †<p>`
  "getterDocumentation" : "One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
  †</h4>
  "getterMethodName" : "getIpv6Addresses",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceIpv6Address>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6Addresses",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6AddressesSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "type" : "com.amazonaws.services.instance.model.InstanceIpv6Address"
    }
  },
  "listModelImpl" : {
    "keyType" : "String",
    "listType" : "java.util.List<com.amazonaws.services.instance.model.InstanceIpv6Address>",
    "modelType" : "com.amazonaws.services.instance.model.InstanceIpv6Address"
  }
}
"c2jName" : "member",
"c2jShape" : "InstanceIpv6Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethod" : "getMember",
"getModel" : {
  "returnType" : "InstanceIpv6Address",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "InstanceIpv6Address",
    "variableName" : "member",
    "variableType" : "InstanceIpv6Address",
    "documentation" : "",
    "simpleType" : "InstanceIpv6Address",
    "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "**One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.**

@para ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.**/

"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<InstanceIpv6Address>",
    "documentation" : "",
    "simpleType" : "List<InstanceIpv6Address>",
    "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "**One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.**

@para ipv6Addresses One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.**/"
specified a minimum number of instances to launch.

@returns Returns a reference to this object so that method calls can be chained together.

/*
 * variable : {
 *     variableDeclarationType : ".com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
 *     variableName : "ipv6Addresses",
 *     variableType : ".java.util.List<InstanceIpv6Address>",
 *     documentation : "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
 *     simpleType : "List<InstanceIpv6Address>",
 *     variableSetterType : ".java.util.Collection<InstanceIpv6Address>"
 * },
 * xmlNameSpaceUri" : null
 * },
 * "NetworkInterfaceId" : {
 *     "c2jName" : "NetworkInterfaceId",
 *     "c2jShape" : "String",
 *     "deprecated" : false,
 *     "documentation" : "<p>The ID of the network interface.</p>",
 *     "enumType" : null,
 *     "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.</param>*/
 * @return Returns a reference to this object so that method calls can be chained together.
 * /*
 * "fluentSetterMethodName" : "withNetworkInterfaceId",
 * "getterDocumentation" : "/**<p>The ID of the network interface.</p>@return The ID of the network interface.</return>*/
 * @returns The ID of the network interface.
 * /*
 * "getterMethodName" : "getNetworkInterfaceId",
 * "getterModel" : {
 *     "returnType" : "String",
 *     "documentation" : null
 * },
 * "http" : {
 *     "additionalMarshallingPath" : null,
 *     "additionalUnmarshallingPath" : null,
 *     "flattened" : false,
 *     "greedy" : false,
 *     "header" : false,
 *     "isPayload" : false,
 *     "isStreaming" : false,
 *     "location" : null,
 *     "marshallLocationName" : "NetworkInterfaceId",
 *     "queryString" : false,
 *     "statusCode" : false,
 *     "unmarshallLocationName" : "networkInterfaceId",
 *     "uri" : false
 * },
 * "idempotencyToken" : false,
 * "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : 
        "<p>The ID of the network interface.</p>
    
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"PrivateIpAddress" : {
    "c2jName" : "PrivateIpAddress",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    
    "fluentSetterMethodName" : "withPrivateIpAddress",
    "getterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    
    "getterMethodName" : "getPrivateIpAddress",
    "getterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "privateIpAddress",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargGetterDocumentation" : "/**<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    
    "varargMethodName" : "getPrivateIpAddresses",
    "varargModel" : {
        "variableDeclarationType" : "List<String>",
        "variableName" : "privateIpAddresses",
        "variableType" : "List<String>",
        "documentation" : "",
        "simpleType" : "List<String>",
        "variableSetterType" : "List<String>"
    },
    "simple" : false,
launching more than one instance in a `<a>RunInstances</a>` request.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/*<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.*/
@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.*/
@param privateIpAddress The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
@return Returns a reference to this object so that method calls can be chained together.*/";
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
    "c2jName" : "PrivateIpAddresses",
    "c2jShape" : "PrivateIpAddressSpecificationList",
    "deprecated" : false,
    "documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    @param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrivateIpAddresses",
    "getterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
    @return One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
    "getterMethodName" : "getPrivateIpAddresses",
    "getterModel" : {
        "returnType" : "java.util.List<PrivateIpAddressSpecification>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PrivateIpAddresses",
        "queryString" : false,
"variableDeclarationType" : "PrivateIpAddresses",
"variableName" : "member",
"variableType" : "PrivateIpAddresses",
"documentation" : "",
"simpleType" : "PrivateIpAddresses",
"variableSetterType" : "PrivateIpAddresses"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrivateIpAddresses",
"variableName" : "member",
"variableType" : "PrivateIpAddresses",
"documentation" : "",
"simpleType" : "PrivateIpAddresses",
"variableSetterType" : "PrivateIpAddresses"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrivateIpAddresses",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrivateIpAddresses",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddresses>",
"templateType" : "java.util.List<PrivateIpAddresses>"
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddresses",
"setterDocumentation" : "/**<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>
@param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.*/",
"setterMethodName" : "setPrivateIpAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrivateIpAddresses>",
"variableName" : "privateIpAddresses",
"variableType" : "java.util.List<PrivateIpAddresses>",
"documentation" : "",
"simpleType" : "List<PrivateIpAddresses>",
"variableSetterType" : "java.util.Collection<PrivateIpAddresses>"
One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a> request.

**NOTE:** This method appends the values to the existing list (if any). Use { @link #setPrivateIpAddresses(java.util.Collection) } or { @link #withPrivateIpAddresses(java.util.Collection) } if you want to override the existing values.

```java
@Param privateIpAddresses One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a> request.
```

```
privateIpAddresses:
```

```
}.
```

```
SecondaryPrivateIpAddressCount:
```

```
public Integer getSecondaryPrivateIpAddressCount();
```

```
public SecondaryPrivateIpAddressCount withSecondaryPrivateIpAddressCount(Integer secondaryPrivateIpAddressCount);
```

```
```
**setterDocumentation**: 

```xml
/**
 * The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
 * @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**variable**: 

```xml
variable: { 
  variableDeclarationType: "Integer", 
  variableName: "secondaryPrivateIpAddressCount", 
  variableType: "Integer", 
  documentation: "", 
  simpleType: "Integer", 
  variableSetterType: "Integer" 
}, 
```

**varargSetterDocumentation**: 

```xml
/**
 * The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
 * @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses. You can't specify this option if you're launching more than one instance in a `<a>RunInstances</a>` request.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"variableName": "secondaryPrivateIpAddressCount",
"variableType": "Integer",
"documentation": "The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.<p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
],
"xmlNameSpaceUri": null
},
"SubnetId": {
"c2jName": "SubnetId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.<p>",
"enumType": null,
"fluentSetterDocumentation": "\/*\p>\nThe ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.<p>\n@\param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.<p>\n@\return Returns a reference to this object so that method calls can be chained together.<p>*/",
"fluentSetterMethodName": "withSubnetId",
"getterDocumentation": "\/*\p>\nThe ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.<p>\n@\return Returns the ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.<p>*/",
"getterMethodName": "getSubnetId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SubnetId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "subnetId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.*"",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>@param subnetId The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceNetworkInterfaceSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "InstanceNetworkInterfaceSpecification",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : null,
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
}.
"wrapper" : false,
"InstancePrivateIpAddress" : {
  "c2jName" : "InstancePrivateIpAddress",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a private IPv4 address.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "PrivateIpAddress",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The private IPv4 address of the network interface.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withPrivateIpAddress",
      "getterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@return The private IPv4 address of the network interface.*/",
      "getterMethodName" : "getPrivateIpAddress",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PrivateIpAddress",
        "queryString" : false,
        "statusCode" : false,
      }
  }
}
}
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 address of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private IPv4 DNS name.</p>
@return The private IPv4 DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PrivateDnsName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "privateDnsName",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateDnsName",
"setterDocumentation": "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.*/",
"setterMethodName": "setPrivateDnsName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateDnsName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateDnsName",
  "variableType": "String",
  "documentation": "<p>The private IPv4 DNS name.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Primary"
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of the
network interface.</p>\n@return Indicates whether this IPv4 address is the primary private IP address of the
network interface.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",

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"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Association",
"c2jShape" : "InstanceNetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address for the network
interface.</p>\n@param association The association information for an Elastic IP address for the network
interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "/**<p>The association information for an Elastic IP address for the network
interface.</p>\n@return The association information for an Elastic IP address for the network interface.*/",
"getterMethodName" : "getAssociation",
"getterModel" : {
"returnType" : "InstanceNetworkInterfaceAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Association",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "association",

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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.
*/",
"setterMethodName" : "setAssociation",
"setterModel" : {
 "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
 "variableName" : "association",
 "variableType" : "InstanceNetworkInterfaceAssociation",
 "documentation" : "",
 "simpleType" : "InstanceNetworkInterfaceAssociation",
 "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
 "variableName" : "association",
 "variableType" : "InstanceNetworkInterfaceAssociation",
 "documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
 "simpleType" : "InstanceNetworkInterfaceAssociation",
 "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
}
},
"membersAsMap" : {
 "Association" : {
 "c2jName" : "Association",
 "c2jShape" : "InstanceNetworkInterfaceAssociation",
 "deprecated" : false,
 "documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withAssociation",
 "getterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@return The association information for an Elastic IP address for the network interface.*/",
 "getterMethodName" : "getAssociation",
}
"getterModel" : {
  "returnType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Association",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "association",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
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@param association The association information for an Elastic IP address for the network interface.*/",
"setterMethodName" : "setAssociation",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IP address for the network interface.</p>
@param association The association information for an Elastic IP address for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "InstanceNetworkInterfaceAssociation",
  "documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",
  "simpleType" : "InstanceNetworkInterfaceAssociation",
  "variableSetterType" : "InstanceNetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"Primary" : {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of the
network interface.</p>\n@return Indicates whether this IPv4 address is the primary private IP address of the
network interface.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address of
the network interface.*/",
"setterMethodName" : "setPrimary",

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"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IP address of
the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IP address
of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"PrivateDnsName" : {
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 DNS name.</p>\n@param privateDnsName The
private IPv4 DNS name.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private IPv4 DNS name.</p>\n@return The private IPv4 DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,

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"location": null,
"marshallLocationName": "PrivateDnsName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateDnsName",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateDnsName",
"setterDocumentation": "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setPrivateDnsName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateDnsName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateDnsName",
  "variableType": "String",
  "documentation": "<p>The private IPv4 DNS name.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"PrivateIpAddress": {
  "c2jName": "PrivateIpAddress",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The private IPv4 DNS name.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The private IPv4 DNS name.</p>
@param privateDnsName The private IPv4 DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withPrivateIpAddress",
  "variableDeclarationType": "String",
  "variableName": "privateDnsName",
  "variableType": "String",
  "documentation": "<p>The private IPv4 address of the network interface.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The private IPv4 address of the network interface.</p>
@param privateIpAddress The private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withPrivateIpAddress",
"getterDocumentation" : "/**\n<p>The private IPv4 address of the network interface.</p>\n*/
",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\n<p>The private IPv4 address of the network interface.</p>\n@param privateIpAddress The private IPv4 address of the network interface.*/
",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The private IPv4 address of the network interface.</p>\n@param privateIpAddress The private IPv4 address of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "\n<p>The private IPv4 address of the network interface.</p>"
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstancePrivateIpAddress",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "InstancePrivateIpAddress",
"variableName" : "instancePrivateIpAddress",
"variableType" : "InstancePrivateIpAddress",
"documentation" : null,
"simpleType" : "InstancePrivateIpAddress",
"variableSetterType" : "InstancePrivateIpAddress"
},
"wrapper" : false
},
"InstanceState" : {
"c2jName" : "InstanceState",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the current state of an instance.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : {
"c2jName" : "Code",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored."}
}
The low byte represents the state. The high byte is an opaque internal value and should be ignored.

- **0**: pending
- **16**: running
- **32**: shutting-down
- **48**: terminated
- **64**: stopping
- **80**: stopped

@returns Returns a reference to this object so that method calls can be chained together.

*fluentSetterMethodName* : "withCode",

*getterDocumentation* : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.

- **0**: pending
- **16**: running
- **32**: shutting-down
- **48**: terminated
- **64**: stopping
- **80**: stopped

*getterMethodName* : "getCode",

*getterModel* : {
  "returnType" : "Integer",
  "documentation" : null
},

*http* : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Code",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "code",
  "uri" : false
},

*idempotencyToken* : false,

*list* : false,

*listModel* : null,
@return Returns a reference to this object so that method calls can be chained together.*
*/

"setterMethodname": ":getCode",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "code",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
  "simple": true,

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "code",
  "variableType": "Integer",
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"simple": "Integer",
  "variableSetterType": "Integer"
},
  "xmlNameSpaceUri": null
}
"c2jName" : "Name",
"c2jShape" : "InstanceStateName",
"deprecated" : false,
"documentation" : "&lt;p&gt;The current state of the instance.&lt;/p&gt;",
"enumType" : "InstanceStateName",
"fluentSetterDocumentation" : "/**&lt;p&gt;The current state of the instance.&lt;/p&gt;&lt;n&gt;@param name The current state of the instance.&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;n&gt;@see InstanceStateName*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**&lt;p&gt;The current state of the instance.&lt;/p&gt;&lt;n&gt;@return The current state of the instance.&lt;n&gt;@see InstanceStateName*/",
"getterMethodName" : "getName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**&lt;p&gt;The current state of the instance.&lt;/p&gt;&lt;n&gt;@param name The current state of the instance.&lt;n&gt;@see InstanceStateName*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
};
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the instance.</p>
@param name The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.<br/>@see InstanceStateName*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The current state of the instance.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  @see InstanceStateName*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The current state of the instance.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  @see InstanceStateName*/",

"xmlNameSpaceUri" : null

"membersAsMap" : {
  "Code" : {
    "c2jName" : "Code",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @param code The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCode",
    "getterMethodName" : "getCode",
    "getterDocumentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
    <p>\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.
    @param name The current state of the instance.
    @return Returns a reference to this object so that method calls can be chained together.
    @see InstanceStateName*/",
    "documentation" : "The low byte represents the state. The high byte is an opaque internal value and should be ignored.
    @param name The current state of the instance.
    @return Returns a reference to this object so that method calls can be chained together.
    @see InstanceStateName*/",}
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Code",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "code",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<li> <p> <code>0</code> : <code>pending</code> </p> </li>
<li> <p> <code>16</code> : <code>running</code> </p> </li>
<li> <p> <code>32</code> : <code>shutting-down</code> </p> </li>
<li> <p> <code>48</code> : <code>terminated</code> </p> </li>
<li> <p> <code>64</code> : <code>stopping</code> </p> </li>
<li> <p> <code>80</code> : <code>stopped</code> </p> </li>
*/",
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"setterModel" : {
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    "variableName" : "code",
    "variableType" : "Integer",
    "documentation" : "",
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    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>
<li> <p> <code>0</code> : <code>pending</code> </p> </li>
<li> <p> <code>16</code> : <code>running</code> </p> </li>
<li> <p> <code>32</code> : <code>shutting-down</code> </p> </li>
<li> <p> <code>48</code> : <code>terminated</code> </p> </li>
<li> <p> <code>64</code> : <code>stopping</code> </p> </li>
<li> <p> <code>80</code> : <code>stopped</code> </p> </li>
*/", "
<p>The low byte represents the state. The high byte is an opaque internal value and should be ignored.</p>

```java
public void setCode(int code) {
    // Set the code.
}
```

```java
public int getCode() {
    // Get the code.
    return code;
}
```

```java
public String getName() {
    // Get the name.
    return name;
}
```

```java
public void setName(String name) {
    // Set the name.
}
```

```java
public void withName(String name) {
    // Set the name.
}
```

```java
public String toString() {
    // Return the string representation.
    return String.format("%s (%s)\n", getName(), getState());
}
```
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "name",
"uri" : false
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"idempotencyToken" : false,
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"map" : false,
"mapModel" : null,
"name" : "Name",
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@param name The current state of the
instance.
@see InstanceStateName*/",
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"setterModel" : {
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  "variableName" : "name",
  "variableType" : "String",
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  "variableSetterType" : "String"
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@param name The current state of the instance:
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceStateName*/",
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"variableType" : "InstanceState",
"documentation" : null,
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"variableSetterType" : "InstanceState"
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  "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
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"hasPayloadMember" : false,
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"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
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    @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The ID of the instance.</p>@return The ID of the instance.</p>",
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"mapModel" : null,
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*/",
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  "variableName" : "instanceId",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"c2jShape" : "InstanceState",
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"documentation" : "<p>The current state of the instance.</p>
"enumType" : null,
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@param currentState The current state of the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**<p>The current state of the instance.</p>
@param currentState The current state of the instance.
@return The current state of the instance.
*/",
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"unmarshallLocationName" : "instanceId",
"uri" : false
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"returnType" : "InstanceState",
"documentation" : null
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"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currentState",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param currentState The current state
of the instance.</p>*/",
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  "variableName" : "currentState",
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  "variableSetterType" : "InstanceState"
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@param currentState The current state of the instance.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
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  "variableType" : "InstanceState",
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  "simpleType" : "InstanceState",
  "variableSetterType" : "InstanceState"
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  "c2jShape" : "InstanceState",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The previous state of the instance.</p>
@returns{Object} Returns a reference to this object so that method calls can be chained together.*"",
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  "getterDocumentation" : "/**<p>The previous state of the instance.</p>
@returns{Object} The previous state of the instance.*"",
  "getterMethodName" : "getPreviousState",
  "getterModel" : {
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    "documentation" : null
  },
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "previousState",
    "uri" : false
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  "map" : false,
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  "setterDocumentation" : "/**<p>The previous state of the instance.</p>
@returns{Object} The previous state of the instance.*"",
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    "variableType" : "InstanceState",
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    "variableSetterType" : "InstanceState"}
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  "variableName": "previousState",
  "variableType": "InstanceState",
  "documentation": "The previous state of the instance.
  @param previousState The previous state of the instance.
  @return Returns a reference to this object so that method calls can be chained together."
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},
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    "documentation": "The current state of the instance.
    @param currentState The current state of the instance.
    @return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName": "withCurrentState",
    "getterDocumentation": "The current state of the instance.
    @return The current state of the instance."
    "getterMethodName": "getCurrentState",
    "getterModel": {
      "returnType": "InstanceState",
      "documentation": null
    },
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
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      "isStreaming": false,
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      "statusCode": false,
      "unmarshallLocationName": "currentState",
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    }
  }
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"idempotencyToken" : false,
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  "variableName" : "currentState",
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  "variableSetterType" : "InstanceState"
},
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  "variableType" : "InstanceState",
  "documentation" : "<p>The current state of the instance.</p>",
  "simpleType" : "InstanceState",
  "variableSetterType" : "InstanceState"
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  "c2jShape" : "String",
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  "getterDocumentation" : "<p>The ID of the instance.</p>\n@return The ID of the instance.\*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"PreviousState" : {
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  "c2jShape" : "InstanceState",
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  "documentation" : "<p>The previous state of the instance.</p>",
  "enumType" : null,
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@param previousState The previous state of the instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
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"getterDocumentation" : "/**<p>The previous state of the instance.</p>
@return The previous state of the instance.*"",
"getterMethodName" : "getPreviousState",
"getterModel" : {
  "returnType" : "InstanceState",
  "documentation" : null
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"http" : {
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "previousState",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PreviousState",
"setterDocumentation" : "/**<p>The previous state of the instance.</p>
@param previousState The previous state of the instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "variableName" : "previousState",
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  "variableSetterType" : "InstanceState"
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@param previousState The previous state of the instance.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "resultWrapper": null
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  "variableType": "InstanceStateChange",
  "documentation": null,
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
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"wrapper": false
},

"InstanceStateName": {
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  "customization": {
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  "enums": [
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      "name": "Pending",
      "value": "pending"
    },
    {
      "name": "Running",
      "value": "running"
    },
    {
      "name": "ShuttingDown",
      "value": "shutting-down"
    }
  ]
}
"name": "Terminated",
"value": "terminated"
},
{
"name": "Stopping",
"value": "stopping"
},
{
"name": "Stopped",
"value": "stopped"
}
],
"errorCode": null,
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"hasPayloadMember": false,
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"hasStreamingMember": false,
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"resultWrapper": null
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p><p>@param instanceId The ID of the instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p><p>@return The ID of the instance.</p>*/",
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceId",
  "setterDocumentation" : "/**<p>The ID of the instance.</p><p>@param instanceId The ID of the instance.</p>*/",
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  "setterModel" : { 
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    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" :
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the instance.</p>
@param availabilityZone The Availability Zone of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/** <p>The Availability Zone of the instance.</p>
@return The Availability Zone of the instance.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n/*<p>The Availability Zone of the instance.</p><p>@param availabilityZone The Availability Zone of the instance.</p>*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n/*<p>The Availability Zone of the instance.</p><p>@param availabilityZone The Availability Zone of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*"/
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jName" : "Events",
  "c2jShape" : "InstanceStatusEventList",
  "deprecated" : false,
  "documentation" : "<p>Any scheduled events associated with the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p><p>@param events Any scheduled events associated with the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*"/
  "fluentSetterMethodName" : "withEvents",
  "getterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p><p>@return Any scheduled events associated with the instance.</p>*/",
  "getterMethodName" : "getEvents",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "eventsSet",
"uri": false
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"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "InstanceStatusEvent",
    "deprecated": false,
    "documentation": "",
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    "http": {
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      "additionalUnmarshallingPath": null,
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      "location": null,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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  }
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
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  "variableName": "member",
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  "documentation": "",
  "simpleType": "InstanceStatusEvent",
  "variableSetterType": "InstanceStatusEvent"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*\n/**",
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  "variableDeclarationType": "InstanceStatusEvent",
  "variableName": "member",
  "variableType": "InstanceStatusEvent",
  "documentation": "",
  "simpleType": "InstanceStatusEvent",
  "variableSetterType": "InstanceStatusEvent"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "InstanceStatusEvent",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceStatusEvent",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"templateType": "java.util.List<InstanceStatusEvent>"
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"map": false,
"mapModel": null,
"name": "Events",
"setterDocumentation": "/**\nAny scheduled events associated with the instance.\n*/<p>@param events Any scheduled events associated with the instance.*/\n/**",
"setterMethodName": "setEvents",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>"
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceState",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceState",
"setterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
@param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.*/",
"setterMethodName" : "setInstanceState",
"setterModel" : {
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    "variableName" : "instanceState",
    "variableType" : "InstanceState",
    "documentation" : "",
    "simpleType" : "InstanceState",
    "variableSetterType" : "InstanceState"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
@param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "InstanceState",
    "variableName" : "instanceState",
    "variableType" : "InstanceState",
    "documentation" : "<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>",
    "simpleType" : "InstanceState",
    "variableSetterType" : "InstanceState"
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"xmlNameSpaceUri" : null
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"c2jName" : "SystemStatus",
"c2jShape" : "InstanceStatusSummary",
"deprecated" : false,
"documentation" : "<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSystemStatus",
"getterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@return Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.*/",
"getterMethodName" : "getSystemStatus",
"getterModel" : {
"returnType" : "InstanceStatusSummary",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SystemStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "systemStatus",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SystemStatus",
"setterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.*/",
"setterMethodName" : "setSystemStatus",
"setterModel" : {
"variableDeclarationType" : "InstanceStatusSummary",
"variableName" : "systemStatus",
"variableType" : "InstanceStatusSummary",
"documentation" : "",
"simpleType" : "InstanceStatusSummary",
"variableSetterType" : "InstanceStatusSummary"
"variable" : {
    "variableDeclarationType" : "InstanceStatusSummary",
    "variableName" : "systemStatus",
    "variableType" : "InstanceStatusSummary",
    "documentation" : "Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.
    @param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.
    @return Returns a reference to this object so that method calls can be chained together."",
    "getterMethodName" : "getInstanceStatus",
    "getterModel" : {
        "returnType" : "InstanceStatusSummary",
        "documentation" : null
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        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "InstanceStatus",
        "queryString" : null
    }
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"xmlNameSpaceUri" : null}
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@return The Availability Zone of the instance.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone The Availability Zone of the instance.*/",
"setterMethodName" : "setAvailabilityZone",
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"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>
@param availabilityZone The Availability Zone of the instance.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "availabilityZone",
"variableType" : "String"}
"documentation" : "<p>The Availability Zone of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"Events" : {
"c2jName" : "Events",
"c2jShape" : "InstanceStatusEventList",
"deprecated" : false,
"documentation" : "<p>Any scheduled events associated with the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p>
@param events Any scheduled events associated with the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p>
@return Any scheduled events associated with the instance.*/",
"getterMethodName" : "getEvents",
"getterModel" : {
  "returnType" : "java.util.List<InstanceStatusEvent>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "unmarshallLocationName" : "eventsSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceStatusEvent",
    "deprecated" : false,
    "documentation" : "",

"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceStatusEvent",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "InstanceStatusEvent",
"documentation" : "",
"simpleType" : "InstanceStatusEvent",
"variableSetterType" : "InstanceStatusEvent"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceStatusEvent",
"variableName" : "member",
"variableType" : "InstanceStatusEvent"
"documentation" : "",
"simpleType" : "InstanceStatusEvent",
"variableSetterType" : "InstanceStatusEvent"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStatusEvent",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatusEvent",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"templateType" : "java.util.List<InstanceStatusEvent>"
},
"map" : false,
"mapModel" : null,
"name" : "Events",
"setterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p>
@param events Any scheduled events associated with the instance.*/",
"setterMethodName" : "setEvents",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"variableName" : "events",
"variableType" : "java.util.List<InstanceStatusEvent>",
"documentation" : "",
"simpleType" : "List<InstanceStatusEvent>",
"variableSetterType" : "java.util.Collection<InstanceStatusEvent>"
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any scheduled events associated with the instance.</p>
@param events Any scheduled events associated with the instance.*/
NOTE: This method appends the values to the existing list (if any). Use { @link #setEvents(java.util.Collection)} or { @link #withEvents(java.util.Collection)} if you want to override the existing values.</p>

@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusEvent>",
"variableName" : "events",
"variableType" : "java.util.List<InstanceStatusEvent>",
"documentation" : "<p>Any scheduled events associated with the instance.</p>
",
"simpleType" : "List<InstanceStatusEvent>",
"variableSetterType" : "java.util.Collection<InstanceStatusEvent>"
}
},
"xmlNameSpaceUri" : null
}
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance.</p>
  @return The ID of the instance.*/",
  "getterMethodName" : "getInstanceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceId",
  "setterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setInstanceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
  @param instanceId The ID of the instance.
  @return Returns a reference to this object so that method calls can be chained together.*/"}
instance.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceState" : {
  "c2jName" : "InstanceState",
  "c2jShape" : "InstanceState",
  "deprecated" : false,
  "documentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state."",
  "enumType" : null,
  "fluentSetterDocumentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  
  @param instanceState The intended state of the instance.
  
  @return Returns a reference to this object so that method calls can be chained together.*",
  "fluentSetterMethodName" : "withInstanceState",
  "getterDocumentation" : "The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.
  
  @return The intended state of the instance.
  
  @return Returns a reference to this object so that method calls can be chained together.*",
  "getterMethodName" : "getInstanceState",
  "getterModel" : {
    "returnType" : "InstanceState",
    "documentation" : null
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  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "InstanceState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceState",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceState",
"setterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
@param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.*/",
"setterMethodName" : "setInstanceState",
"setterModel" : {
  "variableDeclarationType" : "InstanceState",
  "variableName" : "instanceState",
  "variableType" : "InstanceState",
  "documentation" : "",
  "simpleType" : "InstanceState",
  "variableSetterType" : "InstanceState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
@param instanceState The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceState",
  "variableName" : "instanceState",
  "variableType" : "InstanceState",
  "documentation" : "<p>The intended state of the instance. <a>DescribeInstanceStatus</a> requires that an instance be in the <code>running</code> state.</p>
"xmlNameSpaceUri" : null
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"InstanceStatus" : {
  "c2jName" : "InstanceStatus",
  "c2jShape" : "InstanceStatusSummary",
  "deprecated" : false,
  "documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceStatus",
  "getterDocumentation" : "/**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>
@return Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.*/",
  "getterMethodName" : "getInstanceStatus"
"getterModel" : {
   "returnType" : "InstanceStatusSummary",
   "documentation" : null
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceStatus",
"setterDocumentation" : "**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>\n@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.*/",
"setterMethodName" : "setInstanceStatus",
"setterModel" : {
   "variableDeclarationType" : "InstanceStatusSummary",
   "variableName" : "instanceStatus",
   "variableType" : "InstanceStatusSummary",
   "documentation" : "",
   "simpleType" : "InstanceStatusSummary",
   "variableSetterType" : "InstanceStatusSummary"
},
"simple" : false,
"varargSetterDocumentation" : "**<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>\n@param instanceStatus Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "InstanceStatusSummary",
   "variableName" : "instanceStatus",
   "variableType" : "InstanceStatusSummary",
   "documentation" : "<p>Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.</p>"
"simpleType" : "InstanceStatusSummary",
"variableSetterType" : "InstanceStatusSummary"
},
"xmlNameSpaceUri" : null
},
"SystemStatus" : {
 "c2jName" : "SystemStatus",
 "c2jShape" : "InstanceStatusSummary",
 "deprecated" : false,
 "documentation" : "\p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>\n@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withSystemStatus",
 "getterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>\n@return Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.*/",
 "getterMethodName" : "getSystemStatus",
 "getterModel" : {
 "returnType" : "InstanceStatusSummary",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SystemStatus",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "systemStatus",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "SystemStatus",}
"setterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.*/",
"setterMethodName" : "setSystemStatus",
"setterModel" : {
  "variableDeclarationType" : "InstanceStatusSummary",
  "variableName" : "systemStatus",
  "variableType" : "InstanceStatusSummary",
  "documentation" : "",
  "simpleType" : "InstanceStatusSummary",
  "variableSetterType" : "InstanceStatusSummary"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@param systemStatus Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "systemStatus",
  "variableType" : "InstanceStatusSummary",
  "documentation" : null,
  "simpleType" : "InstanceStatusSummary",
  "variableSetterType" : "InstanceStatusSummary"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceStatus",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceStatus",
  "variableName" : "instanceStatus",
  "variableType" : "InstanceStatus",
  "documentation" : null,
  "simpleType" : "InstanceStatus",
  "variableSetterType" : "InstanceStatus"
},
"wrapper" : false
null}

"InstanceStatusDetails" : {
  "c2jName" : "InstanceStatusDetails",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the instance status.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Name",
    "c2jShape" : "StatusName",
    "deprecated" : false,
    "documentation" : "<p>The type of instance status.</p>",
    "enumType" : "StatusName",
    "fluentSetterDocumentation" : "/**<p>The type of instance status.</p>
    @param name The type of instance status.
    @return Returns a reference to this object so that method calls can be chained together.
    @see StatusName*/",
    "fluentSetterMethodName" : "withName",
    "getterDocumentation" : "/**<p>The type of instance status.</p>
    @return The type of instance status.
    @see StatusName*/",
    "getterMethodName" : "getName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Name",
      "queryString" : "name",
      "unmarshallLocationName" : "name",
      "wrapperName" : null
    }
  }
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@see StatusName*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The type of instance status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "StatusType",
"deprecated" : false,
"documentation" : "<p>The status.</p>",
"enumType" : "StatusType",
"fluentSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status.</p>
@return The status.
@see StatusType*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n<p>The status.</p>\n@param status The status.\n@see StatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The status.</p>\n@param status The status.\n@return Returns a reference to this object so that method calls can be chained together.\n@see StatusType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ImpairedSince",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>"
"varargSetterDocumentation" : "/**\n * The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
 */
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*\n",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "impairedSince",
"variableType" : "java.util.Date",
"documentation" : "The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
} 
",
"membersAsMap" : {
"ImpairedSince" : {
"c2jName" : "ImpairedSince",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
",
"fluentSetterDocumentation" : "/**\n * The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
 */
@param impairedSince The time when a status
check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*\n",
"fluentSetterMethodName" : "withImpairedSince",
"getterDocumentation" : "/**\n * The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
 */
@return The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
",
"getterMethodName" : "getImpairedSince",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImpairedSince",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "impairedSince",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImpairedSince",
"setterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.*/",
"setterMethodName" : "setImpairedSince",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "impairedSince",
  "variableType" : "java.util.Date",
  "documentation" : ":",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>
@param impairedSince The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "impairedSince",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "StatusName",
  "deprecated" : false,
  "documentation" : "<p>The type of instance status.</p>",
  "enumType" : "StatusName",
  "fluentSetterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusName*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>The type of instance status.</p>
@return The type of instance status.
@see StatusName*/"}
StatusName*/

"getterMethodName" : "getName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Name",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "name",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "Name",
"setterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@see StatusName*/",
"setterMethodName" : "setName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of instance status.</p>
@param name The type of instance status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusName*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "name",
  "variableType" : "String",
  "documentation" : "<p>The type of instance status.</p>",
  "simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"Status" : {
"c2jName" : "Status",
"c2jShape" : "StatusType",
"deprecated" : false,
"documentation" : "<p>The status.</p>",
"enumType" : "StatusType",
"fluentSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status.</p>
@return The status.
@see StatusType*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status.</p>
@param status The status.
@see StatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see StatusType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InstanceStatusDetails",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "InstanceStatusDetails",
"variableName" : "instanceStatusDetails",
"variableType" : "InstanceStatusDetails",
"documentation" : null,
"simpleType" : "InstanceStatusDetails",
"variableSetterType" : "InstanceStatusDetails"
},
"wrapper" : false
},
"InstanceStatusEvent" : {
"c2jName" : "InstanceStatusEvent",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a scheduled event for an instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
  "c2jName" : "Code",
  "c2jShape" : "EventCode",
  "deprecated" : false,
  "documentation" : "<p>The event code.</p>",
  "enumType" : "EventCode",
  "fluentSetterDocumentation" : "/**
   * The event code.
   * @see EventCode
   */",
  "getterDocumentation" : "/**
   * The event code.
   * @see EventCode
   */",
  "getterMethodName" : "getCode",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Code",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "code",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Code",
  "setterDocumentation" : "/**
   * The event code.
   * @see EventCode
   */",
  "setterMethodName" : "setCode",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,
"varargSetterDocumentation" : "/**<p>The event code.</p>
@param code The event code.
@return Returns a reference to this object so that method calls can be chained together.
@see EventCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The event code.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description of the event. After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
@param description A description of the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
@return A description of the event.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false,
"
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the event.</p>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
\n@<param description="A description of the event."/>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].*/",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
",
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the event.</p>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
\n@<param description="A description of the event."/>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
\n@<param description="A description of the event."/>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description of the event.</p>
After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"
"simpleType" : "String",
"variableSetterType" : "String"
",
"xmlNameSpaceUri" : null,
}
"
"c2jName" : "NotBefore",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The earliest scheduled start time for the event.</p>";}
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The earliest scheduled start time for the event.</p>@param notBefore
The earliest scheduled start time for the event.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNotBefore",
"getterDocumentation" : "/*<p>The earliest scheduled start time for the event.</p>@return The earliest scheduled start time for the event.*/",
"getterMethodName" : "getNotBefore",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NotBefore",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "notBefore",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotBefore",
"setterDocumentation" : "/*<p>The earliest scheduled start time for the event.</p>@param notBefore The earliest scheduled start time for the event.</n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNotBefore",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "notBefore",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The earliest scheduled start time for the event.</p>@param notBefore The earliest scheduled start time for the event.</n@return Returns a reference to this object so that method calls can be chained together.*/",...
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "notBefore",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The earliest scheduled start time for the event.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NotAfter",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The latest scheduled end time for the event.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNotAfter",
"getterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@return The latest scheduled end time for the event.*/",
"getterMethodName" : "getNotAfter",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NotAfter",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "notAfter",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotAfter",
"setterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest
scheduled end time for the event.*"},
          "setterMethodName" : "setNotAfter",
          "setterModel" : {
            "variableDeclarationType" : "java.util.Date",
            "variableName" : "notAfter",
            "variableType" : "java.util.Date",
            "documentation" : "",
            "simpleType" : "Date",
            "variableSetterType" : "java.util.Date"
          },
          "simple" : true,
          "varargSetterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>\n@param notAfter The latest scheduled end time for the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
          "variable" : {
            "variableDeclarationType" : "java.util.Date",
            "variableName" : "notAfter",
            "variableType" : "java.util.Date",
            "documentation" : "<p>The latest scheduled end time for the event.</p>",
            "simpleType" : "Date",
            "variableSetterType" : "java.util.Date"
          },
          "xmlNameSpaceUri" : null
        },
        "membersAsMap" : {
          "Code" : {
            "c2jName" : "Code",
            "c2jShape" : "EventCode",
            "deprecated" : false,
            "documentation" : "<p>The event code.</p>",
            "enumType" : "EventCode",
            "fluentSetterDocumentation" : "*/<p>The event code.\n@param code The event code.\n@return Returns a reference to this object so that method calls can be chained together.\n@see EventCode*/",
            "fluentSetterMethodName" : "withCode",
            "getterDocumentation" : "*/<p>The event code.\n@return The event code.\n@see EventCode*/",
            "getterMethodName" : "getCode",
            "getterModel" : {
              "returnType" : "String",
              "documentation" : null
            },
            "http" : {
              "additionalMarshallingPath" : null,
              "additionalUnmarshallingPath" : null,
              "flattened" : false,
              "greedy" : false,
              "header" : false,
              "isPayload" : false,
              "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Code",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "code",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The event code.</p>
@param code The event code.
@see EventCode*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The event code.</p>
@param code The event code.
@return Returns a reference to this object so that method calls can be chained together.
@see EventCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The event code.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "A description of the event.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"description" : "A description of the event.",
"fluentSetterDocumentation" : "A description of the event.

After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].

"enumType" : null,
"fluentSetterDocumentation" : "A description of the event.

After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].

"@param description A description of the event.",
"@return Returns a reference to this object so that method calls can be chained together.
@see EventCode*/",
"uri" : false}
the following text: [Completed].

`@return Returns a reference to this object so that method calls can be chained together. */`

```
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed]. */",
"getterMethodName" : "getDescription",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "description",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed]. */",
"setterMethodName" : "setDescription",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
```
"simple": true,
"varargSetterDocumentation": "/*<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>\n@p description A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>\n@return Returns a reference to this object so that method calls can be chained together..*/",
"variable": {
 "variableDeclarationType": "String",
 "variableName": "description",
 "variableType": "String",
 "documentation": "<p>A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].</p>
"param description A description of the event.
"return A description of the event.</p> <p>After a scheduled event is completed, it can still be described for up to a week. If the event has been completed, this description starts with the following text: [Completed].
"getterMethod": {
 "returnType": "java.util.Date",
 "documentation": null
 },
 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "NotAfter",
 "queryString": false,
 "statusCode": false,
"unmarshalLocationName" : "notAfter",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotAfter",
"setterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.*/",
"setterMethodName" : "setNotAfter",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "notAfter",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The latest scheduled end time for the event.</p>
@param notAfter The latest scheduled end time for the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "notAfter",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The latest scheduled end time for the event.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"NotBefore" : {
  "c2jName" : "NotBefore",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The earliest scheduled start time for the event.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"NotBefore" : {
  "c2jName" : "NotBefore",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The earliest scheduled start time for the event.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The earliest scheduled start time for the event.</p>
@param notBefore The earliest scheduled start time for the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNotBefore",
  "getterDocumentation" : "/**<p>The earliest scheduled start time for the event.</p>",
  "getterMethodName" : "getNotBefore",
  "getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NotBefore",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "notBefore",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NotBefore",
"setterDocumentation" : "\n@param notBefore The earliest scheduled start time for the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNotBefore",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "notBefore",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "\n@param notBefore The earliest scheduled start time for the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "notBefore",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
"variable" : {
  "variableDeclarationType" : "InstanceStatusEvent",
  "variableName" : "instanceStatusEvent",
  "variableType" : "InstanceStatusEvent",
  "documentation" : null,
  "simpleType" : "InstanceStatusEvent",
  "variableSetterType" : "InstanceStatusEvent"
},
"wrapper" : false
},
"InstanceStatusSummary" : {
  "c2jName" : "InstanceStatusSummary",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the status of an instance. </p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Status",
      "c2jShape" : "SummaryStatus",
      "deprecated" : false,
      "documentation" : "<p>The status. </p>",
      "enumType" : "SummaryStatus",
      "fluentSetterDocumentation" : "/** <p>The status.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see SummaryStatus*/",
      "fluentSetterMethodName" : "withStatus",
      "getterDocumentation" : "/** <p>The status.\n@returns \n@see SummaryStatus*/",
      "setterDocumentation" : "/** <p>The status.\n@returns \n@see SummaryStatus*/",
      "getterMethodName" : "getStatus",
      "setterMethodName" : "setStatus",
      "documentation" : "<p>The status. </p>",
      "runtimeType" : null
    }
  ]
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status.</p>
@param status The status.
@see SummaryStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see SummaryStatus*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "Details",
"c2jShape" : "InstanceStatusDetailsList",
"deprecated" : false,
"documentation" : "<p>The system instance health or application instance health.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The system instance health or application instance health.</p>
@param details The system instance health or application instance health.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withDetails",
"getterDocumentation" : "/**<p>The system instance health or application instance health.</p>
@return The system instance health or application instance health. */",
"getterMethodName" : "getDetails",
"getterModel" : {
"returnType" : "java.util.List<InstanceStatusDetails>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Details",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "details",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceStatusDetails",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "java.util.List<InstanceStatusDetails>",
"documentation" : null
}
"returnType" : "InstanceStatusDetails",
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceStatusDetails",
  "variableName" : "member",
  "variableType" : "InstanceStatusDetails",
  "documentation" : "",
  "simpleType" : "InstanceStatusDetails",
  "variableSetterType" : "InstanceStatusDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceStatusDetails",
  "variableName" : "member",
  "variableType" : "InstanceStatusDetails",
  "documentation" : "",
  "simpleType" : "InstanceStatusDetails",
  "variableSetterType" : "InstanceStatusDetails"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"fluentSetterDocumentation" : "/**<p>The system instance health or application instance health.</p>
@param details The system instance health or application instance health.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withDetails",
"getterDocumentation" : "/**<p>The system instance health or application instance health.</p>
@return The system instance health or application instance health.*",
"getterMethodName" : "getDetails",
"getterModel" : {
"returnType" : "java.util.List<InstanceStatusDetails>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Details",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "details",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceStatusDetails",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceStatusDetails",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatusDetails",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusDetails>",
"templateType" : "java.util.List<InstanceStatusDetails>"
},
"map" : false,
"mapModel" : null,
"name" : "Details",
"setterDocumentation" : "/**
 * The system instance health or application instance health.
 * @param details The system instance health or application instance health.
 */",
"setterMethodName" : "setDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusDetails>",
  "variableName" : "details",
  "variableType" : "java.util.List<InstanceStatusDetails>",
  "documentation" : "",
  "simpleType" : "List<InstanceStatusDetails>",
  "variableSetterType" : "java.util.Collection<InstanceStatusDetails>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * The system instance health or application instance health.
 * NOTE: This method appends the values to the existing list (if any). Use '{@link #setDetails(java.util.Collection)'} or '{@link #withDetails(java.util.Collection)'} if you want to override the existing values.
 * @param details The system instance health or application instance health.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusDetails>",
  "variableName" : "details",
  "variableType" : "java.util.List<InstanceStatusDetails>",
  "documentation" : "The system instance health or application instance health.
   <p>
   NOTE: This method appends the values to the existing list (if any). Use '{@link #setDetails(java.util.Collection)'} or '{@link #withDetails(java.util.Collection)'} if you want to override the existing values.
   </p>
   @param details The system instance health or application instance health.
   @return Returns a reference to this object so that method calls can be chained together.
   "
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "SummaryStatus",
  "deprecated" : false,
  "documentation" : "The status.
   <p>
   @param status The status.
   @return Returns a reference to this object so that method calls can be chained together.
   "
},
"fluentSetterDocumentation" : "/**
 * The status.
 * @param status The status.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"getterDocumentation" : "/**
 * @param status The status.
 * @return See SummaryStatus*
 */",
"getterMethodName" : "getStatus",
"getterModel" : {"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStatusDetails",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStatusDetails>",
"templateType" : "java.util.List<InstanceStatusDetails>"}
"returnType" : "String",
"documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "status",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status.</p>
@param status The status.
@see SummaryStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status.</p>
@param status The status.
@return Returns a reference to this object so that method calls can be chained together.
@see SummaryStatus*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "<p>The status.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "InstanceStatusSummary",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
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  "variableName": "instanceStatusSummary",
  "variableType": "InstanceStatusSummary",
  "documentation": null,
  "simpleType": "InstanceStatusSummary",
  "variableSetterType": "InstanceStatusSummary"
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"wrapper": false
},
"InstanceType": {
  "c2jName": "InstanceType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
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    "value": "t1.micro"
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    "name": "T2Nano",
    "value": "t2.nano"
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  }, {
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    "value": "t2.xlarge"}]}
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}, {
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}, {
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}, {
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}, {
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"value" : "c4.8xlarge"
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"value" : "p2.8xlarge"
}, {
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"value" : "p2.16xlarge"
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}, {
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}, {
"name" : "F116xlarge",
"value" : "f1.16xlarge"
"value" : "f1.16xlarge"
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"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceType",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "InstanceType",
"variableName" : "instanceType",
"variableType" : "InstanceType",
"documentation" : null,
"simpleType" : "InstanceType",
"variableSetterType" : "InstanceType"
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"wrapper" : false
},
"InternetGateway" : {
"c2jName" : "InternetGateway",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an Internet gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "InternetGatewayId",
"c2jShape" : "String",
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "InstanceType",
"variableName" : "instanceType",
"variableType" : "InstanceType",
"documentation" : null,
"simpleType" : "InstanceType",
"variableSetterType" : "InstanceType"
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"wrapper" : false
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"InternetGateway" : {
"c2jName" : "InternetGateway",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes an Internet gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
*@
@param internetGatewayId The ID of the Internet gateway.

\n@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInternetGatewayId",
"getterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
*@
@return The ID of the Internet gateway. */",
"getterMethodName" : "getInternetGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InternetGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "internetGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InternetGatewayId",
"setterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
*@
@param internetGatewayId The ID of the Internet gateway.

\n@returns Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "internetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
*@
@param internetGatewayId The
ID of the Internet gateway.

@return Returns a reference to this object so that method calls can be chained together.*\n*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "internetGatewayId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Internet gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Attachments",
"c2jShape" : "InternetGatewayAttachmentList",
"deprecated" : false,
"documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments
Any VPCs attached to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*\n")",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@return Any VPCs attached to the Internet gateway.*/",
"getterMethodName" : "getAttachments",
"getterModel" : {
    "returnType" : "java.util.List<InternetGatewayAttachment>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List"}
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "InternetGatewayAttachment",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n  @param member 
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n  @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "InternetGatewayAttachment",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n  @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "InternetGatewayAttachment",
    "variableName" : "member",
    "variableType" : "InternetGatewayAttachment",
    "documentation" : "",
    "simpleType" : "InternetGatewayAttachment",
    "variableSetterType" : "InternetGatewayAttachment"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**\n  @param member
  @return Returns a reference to this object so that"
method calls can be chained together.*/",
"variable" : {
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   "variableName" : "member",
   "variableType" : "InternetGatewayAttachment",
   "documentation" : "",
   "simpleType" : "InternetGatewayAttachment",
   "variableSetterType" : "InternetGatewayAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InternetGatewayAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InternetGatewayAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
"templateType" : "java.util.List<InternetGatewayAttachment>",
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments Any VPCs attached to the Internet gateway.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
   "variableName" : "attachments",
   "variableType" : "java.util.List<InternetGatewayAttachment>",
   "documentation" : "",
   "simpleType" : "List<InternetGatewayAttachment>",
   "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
NOTE: This method appends the values to the existing list (if any). Use {@link #setAttachments(java.util.Collection)} or {@link #withAttachments(java.util.Collection)} if you want to override the existing values.<p>
@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InternetGatewayAttachment>",
   "variableName" : "attachments",
   "variableType" : "java.util.List<InternetGatewayAttachment>",
   "documentation" : "<p>Any VPCs attached to the Internet gateway.</p>"},
"simpleType" : "List<InternetGatewayAttachment>",
"variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@return Any tags assigned to the Internet gateway.
*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"},
"listModel" : {null}}
*/

/**
@return */

/**
@param member */

/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/

```java
public Map<String, List<Member>> getMembers()
```

```java
public void setMembers(Map<String, List<Member>> members)
```
"variableSetterType" : "Tag"
],
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
],
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link 
#withTags(java.util.Collection)} if you want to override the existing values. &lt;p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the Internet gateway.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
]
},
"membersAsMap" : {
"Attachments" : {
"c2jName" : "Attachments",
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "item",
"variableType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@param tags Any tags assigned to the Internet gateway.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the Internet gateway.</p>
@NOTE:<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link 
#withTags(java.util.Collection)} if you want to override the existing values. &lt;p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the Internet gateway.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
]}
}
"c2jShape" : "InternetGatewayAttachmentList",
"deprecated" : false,
"documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@param attachments
Any VPCs attached to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
@return Any VPCs attached to the Internet gateway.*",
"getterMethodName" : "getAttachments",
"getterModel" : {
"returnType" : "java.util.List<InternetGatewayAttachment>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachmentSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachmentSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InternetGatewayAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InternetGatewayAttachment",
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return *
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InternetGatewayAttachment",
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return *
"fluent SetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InternetGatewayAttachment",
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"documentation" : "",
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@return *
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@return *
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"uri" : false
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"documentation" : "",
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"variableSetterType" : "InternetGatewayAttachment"
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"xmlnsSpaceUri" : null
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"memberLocationName" : "item",
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"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<InternetGatewayAttachment>"
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"name" : "Attachments",
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"setterMethodName" : "setAttachments",
"setterModel" : {
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  "variableName" : "attachments",
  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "",
  "simpleType" : "List<InternetGatewayAttachment>",
  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any VPCs attached to the Internet gateway.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {
  @link #setAttachments(java.util.Collection)} or {
  @link #withAttachments(java.util.Collection)} if you want to override the existing values.</p>
@param attachments Any VPCs attached to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<InternetGatewayAttachment>",
  "documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
  "simpleType" : "List<InternetGatewayAttachment>",
  "variableSetterType" : "java.util.Collection<InternetGatewayAttachment>"
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  "documentation" : "<p>The ID of the Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Internet gateway.</p>
@param internetGatewayId The ID of the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/
"}
public class FluentInternetGatewayId {

    public String internetGatewayId();
    public void setInternetGatewayId(String internetGatewayId);
}

/**
 * The ID of the Internet gateway.
 */
public String getInternetGatewayId();

/**
 * The ID of the Internet gateway.
 */
public void setInternetGatewayId(String internetGatewayId);

 */

"variableType" : "String",
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@param tags Any tags assigned to the Internet gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
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@return Any tags assigned to the Internet gateway.
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"interfaceType" : "java.util.List",
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"c2jShape" : "Tag",
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"simpleType" : "Tag",
"variableSetterType" : "Tag"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "Tag",
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"marshallNonAutoConstructedEmptyLists" : false,
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"templateType" : "java.util.List<Tag>
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@param tags Any tags assigned to the Internet gateway.*/",
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  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
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  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
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"enumType": null,
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  "documentation" : null
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  "uri" : false
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  */\n  \n  @param vpcId The ID of the VPC.*/",
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  */\n  \n  @param vpcId The ID of the VPC.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
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"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The current state of the attachment.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**<p>The current state of the attachment.</p>\n@param state The current state of the attachment.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
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"getterDocumentation" : "/**<p>The current state of the attachment.</p>\n@return The current state of the attachment.\n@see AttachmentStatus*/",
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}
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@param state The current state of the attachment.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
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  "fluentSetterDocumentation" : 
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  @param state The current state of the attachment.
  @return Returns a reference to this object so that method calls can be chained together.
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  @return The current state of the attachment.
  @see AttachmentStatus*/",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n @param vpcId The ID of the VPC.\n @return Returns a reference to this object so that method calls can be chained together.\n @see AttachmentStatus*/",
  "getterDocumentation" : "/**\n @return The ID of the VPC.\n @see AttachmentStatus*/",
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    "additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the VPC.</p>
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"requestSignerClassFqcn" : null,
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  "documentation": null,
  "simpleType": "InternetGatewayAttachment",
  "variableSetterType": "InternetGatewayAttachment"
},
"wrapper": false
},
"IpPermission": {
  "c2jName": "IpPermission",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes a security group rule.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [ {
    "c2jName": "IpProtocol",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p> <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security
group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>,<code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don’t, traffic for all types and codes is allowed when authorizing rules. </p>",
    "enumType": null,
    "fluentSetterDocumentation": "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p> <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security
group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don’t, traffic for all types and codes is allowed when authorizing rules. </p>"
<code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.<p>
@<code>param ipProtocol</code>
The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>, or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).)<p>
@<code>param ipProtocol</code>Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.<p>@<code>return</code>Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>, or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).<p>
@<code>param ipProtocol</code>Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.<p>@<code>return</code>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>, or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).<p>
@<code>param ipProtocol</code>Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.*/

"getterMethodName" : "getIpProtocol",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpProtocol",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipProtocol",
  "uri" : false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IpProtocol",
"setterDocumentation": "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>
<p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */
@param ipProtocol
The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

@return Returns a reference to this object so that method calls can be chained.
*/",
"setterMethodName": "setIpProtocol",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ipProtocol",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>
<p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */
@param ipProtocol
The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>

@return Returns a reference to this object so that method calls can be chained.
*/"}
The IP protocol name (\texttt{tcp}, \texttt{udp}, \texttt{icmp}) or number (see \url{http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml}) Protocol Numbers. Use \texttt{-1} to specify all protocols. When authorizing security group rules, specifying \texttt{-1} or a protocol number other than \texttt{tcp}, \texttt{udp}, or \texttt{icmp} allows traffic on all ports, regardless of any port range you specify. For \texttt{tcp}, \texttt{udp}, and \texttt{icmp}, you must specify a port range. For \texttt{-1} (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.

```java
public class SecurityGroupRule {
    private String fromPort;
    private String toPort;
    private String cidrBlock;
    private String ipProtocol;
}
```

Methods:

- **getFromPort()**: Returns the start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of \texttt{-1} indicates all ICMP/ICMPv6 types.
- **withFromPort(int fromPort)**: Returns a reference to this object so that method calls can be chained together.

```java
public SecurityGroupRule withFromPort(int fromPort) {
    this.fromPort = String.valueOf(fromPort);
    return this;
}
```
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
 * @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

*variable* : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
 * @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

*variable* : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{  "c2jName" : "ToPort",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>";
  "enumType" : null,
The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `<code>-1</code>` indicates all ICMP/ICMPv6 codes for the specified ICMP type.

```java
@ParameterObject
public class ToPort {
    private int toPort;

    public int getToPort() {
        return toPort;
    }

    public void setToPort(int toPort) {
        this.toPort = toPort;
    }
}
```

**fluentSetterDocumentation**: "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `<code>-1</code>` indicates all ICMP/ICMPv6 codes for the specified ICMP type."

**getterDocumentation**: "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `<code>-1</code>` indicates all ICMP/ICMPv6 codes for the specified ICMP type."

**setterDocumentation**: "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of `<code>-1</code>` indicates all ICMP/ICMPv6 codes for the specified ICMP type."
The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP/ICMPv6 codes for the specified ICMP type.

```java
@<var>param toPort
```

The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP/ICMPv6 codes for the specified ICMP type.

```java
@return
```

Returns a reference to this object so that method calls can be chained together.

```java
"variable": { 
  "variableDeclarationType": "Integer",
  "variableName": "toPort",
  "variableType": "Integer",
  "documentation": 
```
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "UserIdGroupPair",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "UserIdGroupPair",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "UserIdGroupPair",
      "variableName" : "member",
      "variableType" : "UserIdGroupPair"}
**documentation** : "",
**simpleType** : "UserIdGroupPair",
**variableSetterType** : "UserIdGroupPair"
},
**simple** : false,
**varargSetterDocumentation** : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
**variable** : {
  **variableDeclarationType** : "UserIdGroupPair",
  **variableName** : "member",
  **variableType** : "UserIdGroupPair",
  **documentation** : "",
  **simpleType** : "UserIdGroupPair",
  **variableSetterType** : "UserIdGroupPair"
},
**xmlNameSpaceUri** : null
},
**memberLocationName** : "item",
**memberType** : "UserIdGroupPair",
**map** : false,
**marshallNonAutoConstructedEmptyLists** : false,
**memberAdditionalMarshallingPath** : null,
**memberAdditionalUnmarshallingPath** : null,
**sendEmptyQueryString** : false,
**simple** : false,
**simpleType** : "UserIdGroupPair",
**templateImplType** : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
**templateType** : "java.util.List<UserIdGroupPair>"
},
**map** : false,
**mapModel** : null,
**name** : "UserIdGroupPairs",
**setterDocumentation** : "/**<p>One or more security group and AWS account ID pairs.</p>
@param userIdGroupPairs One or more security group and AWS account ID pairs.*/",
**setterMethodName** : "setUserIdGroupPairs",
**setterModel** : {
  **variableDeclarationType** : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  **variableName** : "userIdGroupPairs",
  **variableType** : "java.util.List<UserIdGroupPair>",
  **documentation** : "",
  **simpleType** : "List<UserIdGroupPair>",
  **variableSetterType** : "java.util.Collection<UserIdGroupPair>"
},
**simple** : false,
**varargSetterDocumentation** : "/**<p>One or more security group and AWS account ID pairs.</p>
<br>**NOTE:** This method appends the values to the existing list (if any). Use { @link #setUserIdGroupPairs(java.util.Collection)} or { @link #withUserIdGroupPairs(java.util.Collection)} if you want to override the existing values.<p>
@param userIdGroupPairs One or more security group and AWS account ID pairs.*/"
pairs.

@return Returns a reference to this object so that method calls can be chained together.*/

    }
    "variable" : {  
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",  
    "variableName" : "userIdGroupPairs",  
    "variableType" : "java.util.List<UserIdGroupPair>",  
    "documentation" : "<p>One or more security group and AWS account ID pairs.</p>",  
    "simpleType" : "List<UserIdGroupPair>",  
    "variableSetterType" : "java.util.Collection<UserIdGroupPair>"  
    },
    "xmlNameSpaceUri" : null
  },
  "c2jName" : "Ipv6Ranges",  
  "c2jShape" : "Ipv6RangeList",  
  "deprecated" : false,  
  "documentation" : "<p>[EC2-VPC only] One or more IPv6 ranges.</p>",  
  "enumType" : null,  
  "fluentSetterDocumentation" : /**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
  @param ipv6Ranges
  [EC2-VPC only] One or more IPv6 ranges.</p>\n  @return [EC2-VPC only] One or more IPv6 ranges.*/
  @return Returns a reference to this object so that method calls can be chained together.*/
  
  "fluentSetterMethodName" : "withIpv6Ranges",
  "getterDocumentation" : /**<p>[EC2-VPC only] One or more IPv6 ranges.</p>
  @return [EC2-VPC only] One or more IPv6 ranges.*/
  @return Returns a reference to this object so that method calls can be chained together.*/
  
  "getterMethodName" : "getIpv6Ranges",
  "getterModel" : {   
  "returnType" : "java.util.List<Ipv6Range>",  
  "documentation" : null
  },
  "http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "Ipv6Ranges",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "ipv6Ranges",  
  "uri" : false
  },
  "idempotencyToken" : false,  
  "list" : true,  
  "listModel" : {  
  "implType" : "com.amazonaws.internal.SdkInternalList",  
  "interfaceType" : "java.util.List",  
  "listMemberModel" : {
  "type" : "com.amazonaws.something",  
  "typeReference" : "com.amazonaws.something",  
  "simpleType" : false
  },
  "listMemberType" : "com.amazonaws.something"  
  }  
}  

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"c2jName": "member",
"c2jShape": "Ipv6Range",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Ipv6Range",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Ipv6Range",
  "variableName": "member",
  "variableType": "Ipv6Range",
  "documentation": "",
  "simpleType": "Ipv6Range",
  "variableSetterType": "Ipv6Range"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
    "variableDeclarationType": "Ipv6Range",
    "variableName": "member",
    "variableType": "Ipv6Range",
    "documentation": "",
    "simpleType": "Ipv6Range",
    "variableSetterType": "Ipv6Range"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "Ipv6Range",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Ipv6Range",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"templateType": "java.util.List<Ipv6Range>"
},
"map": false,
"mapModel": null,
"name": "Ipv6Ranges",
"setterDocumentation": "/**
[EC2-VPC only] One or more IPv6 ranges.

@param ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.*/",
"setterMethodName": "setIpv6Ranges",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
    "variableName": "ipv6Ranges",
    "variableType": "java.util.List<Ipv6Range>",
    "documentation": "",
    "simpleType": "List<Ipv6Range>",
    "variableSetterType": "java.util.Collection<Ipv6Range>"
},
"simple": false,
"varargSetterDocumentation": "/**
[EC2-VPC only] One or more IPv6 ranges.

@link #setIpv6Ranges(java.util.Collection) or 
@link #withIpv6Ranges(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
    "variableName": "ipv6Ranges",
    "variableType": "java.util.List<Ipv6Range>",
    "documentation": "<p>[EC2-VPC only] One or more IPv6 ranges.</p>
    "simpleType": "List<Ipv6Range>"}
"variableSetterType" : "java.util.Collection<Ipv6Range>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrefixListIds",
"c2jShape" : "PrefixListIdList",
"deprecated" : false,
"documentation" : "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>\n@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p><\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrefixListIds",
"getterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>\n@return (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p>*/",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
"returnType" : "java.util.List<PrefixListId>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListIds",
"uri" : false
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PrefixListId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PrefixListId",
      "documentation" : null
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return *
*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PrefixListId",
  "variableName" : "member",
  "variableType" : "PrefixListId",}
"documentation" : "",
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"simple" : false,
"varargSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "PrefixListId",
 "variableName" : "member",
 "variableType" : "PrefixListId",
 "documentation" : "",
 "simpleType" : "PrefixListId",
 "variableSetterType" : "PrefixListId"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "PrefixListId",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrefixListId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"templateType" : "java.util.List<PrefixListId>"
},
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.</p><p>(Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.*/

/**
 * @param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access through a VPC endpoint from instances associated with the security group.
 */
", 
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
 "variableName" : "prefixListIds",
 "variableType" : "java.util.List<PrefixListId>",
 "documentation" : "",
 "simpleType" : "List<PrefixListId>",
 "variableSetterType" : "java.util.Collection<PrefixListId>"
simple": false,
"varargSetterDocumentation": "/**<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>

NOTE: This method appends the values to the existing list (if any). Use {@link #setPrefixListIds(java.util.Collection)} or {@link
#withPrefixListIds(java.util.Collection)} if you want to override the existing values.</p>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and
<a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName": "prefixListIds",
"variableType": "java.util.List<PrefixListId>",
"documentation": "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and
<a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>

NOTE: This method appends the values to the existing list (if any). Use {@link #setPrefixListIds(java.util.Collection)} or {@link
#withPrefixListIds(java.util.Collection)} if you want to override the existing values.</p>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and
<a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"variableName": "prefixListIds",
"variableType": "java.util.List<PrefixListId>",
"documentation": "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and
<a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>

NOTE: This method appends the values to the existing list (if any). Use {@link #setPrefixListIds(java.util.Collection)} or {@link
#withPrefixListIds(java.util.Collection)} if you want to override the existing values.</p>

@param prefixListIds (Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and
<a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpRange>",
"variableName": "ipv4Ranges",
"variableType": "java.util.List<IpRange>",
"deprecated": false,
"documentation": "<p>One or more IPv4 ranges.</p>

@param ipv4Ranges One or more IPv4 ranges.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpRange>",
"variableName": "ipv4Ranges",
"variableType": "java.util.List<IpRange>",
"documentation": "<p>One or more IPv4 ranges.</p>

@param ipv4Ranges One or more IPv4 ranges.

@return Returns a reference to this object so that method calls can be chained together.
*/"},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpRanges",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipRanges",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "IpRange",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "IpRange",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IpRange",
"variableName" : "member",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IpRange",
"variableName" : "member",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpRange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpRange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"templateType" : "java.util.List<IpRange>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv4Ranges",
"setterDocumentation" : "/**<p>One or more IPv4 ranges.</p>
@param ipv4Ranges One or more IPv4
ranges.*/",
"setterMethodName" : "setIpv4Ranges",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"variableName" : "ipv4Ranges",
"variableType" : "java.util.List<IpRange>",
"documentation" : "",
"simpleType" : "List<IpRange>",
"variableSetterType" : "java.util.Collection<IpRange>"
This method appends the values to the existing list (if any). Use \{@link #setIpv4Ranges(java.util.Collection)\} or \{@link #withIpv4Ranges(java.util.Collection)\} if you want to override the existing values.\n\n@returns Returns a reference to this object so that method calls can be chained together. */

/** The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types. */

@returns The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types. */

public Integer getFromPort()

@returns Returns a reference to this object so that method calls can be chained together. */

/** The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types. */

public void setFromPort(Integer fromPort)

@returns Returns a reference to this object so that method calls can be chained together. */

/** The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types. */

public void withFromPort(Integer fromPort)

public IpRange getIpRange(int index)

public IpRange withIpRange(IpRange ipRange)

public IpRange withIpRange(int index, IpRange ipRange)

public IpRange[] getIpRanges()

public IpRange[] withIpRanges(IpRange[] ipRanges)

public IpRange[] withIpRanges(int index, IpRange[] ipRanges)

public void setIpRanges(IpRange[] ipRanges)

public void withIpRanges(IpRange[] ipRanges)

public void withIpRanges(int index, IpRange[] ipRanges)

public IpRange removeIpRange(int index)

public void removeIpRanges(IpRange[] ipRanges)

public void removeIpRanges(int index, IpRange[] ipRanges)

public void addIpv4Ranges(IpRange[] ipRanges)

public void addIpv4Ranges(int index, IpRange[] ipRanges)

public void addIpv4Ranges(IpRange... ipRanges)

public void addIpv4Ranges(int index, IpRange... ipRanges)

public void addIpv4Ranges(java.util.Collection<? extends IpRange> ipRanges)

public void addIpv4Ranges(java.util.Collection<? extends IpRange> ipRanges, int index)

public void addIpv4Ranges(int index, java.util.Collection<? extends IpRange> ipRanges)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(int index, IpRange[] ipRanges)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(int index, IpRange... ipRanges)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)

public void addIpv4Ranges(IpRange[] ipRanges, int index)

public void addIpv4Ranges(IpRange... ipRanges, int index)
"marshallLocationName" : "FromPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6
type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code>
indicates all ICMP/ICMPv6 types.*"",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.</p>
@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code>
indicates all ICMP/ICMPv6 types.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. A value of <code>-1</code> indicates all ICMP/ICMPv6 types.
"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "deprecationReason" : "",
  "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icm</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol

Numbers</a>). <p>[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. 

"enumType" : null,

"fluentSetterDocumentation" : "/**\n<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p> 

[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. 

\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withIpProtocol",

"getterDocumentation" : "/**\n<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p> 

[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. 

\n@return The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). 

[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */",

"getterMethodName" : "getIpProtocol",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : ")**\</p>\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)).</p>\</p>&lt;[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */
@param ipProtocol
\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)).</p>\</p>&lt;[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.*/
","setterMethodName" : "setIpProtocol",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "]**\</p>\nThe IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)).</p>\</p>&lt;[EC2-VPC only] Use <code>-1</code> to specify all protocols.
When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. `<p>`

The IP protocol name (`<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`) or number (see `<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>`). `<p>

`<code>-1</code>` is used to specify all protocols. When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. `<p>

`@return` Returns a reference to this object so that method calls can be chained together.*/

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ipProtocol",
    "variableType" : "String",
    "documentation" : "The IP protocol name (`<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`) or number (see `<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>`).

[EC2-VPC only] Use `<code>-1</code>` to specify all protocols. When authorizing security group rules, specifying `<code>-1</code>` or a protocol number other than `<code>tcp</code>`, `<code>udp</code>`, `<code>icmp</code>`, or `<code>58</code>` (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For `<code>tcp</code>`, `<code>udp</code>`, and `<code>icmp</code>`, you must specify a port range. For `<code>58</code>` (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules. */
```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpRanges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipRanges",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpRange",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "IpRange",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IpRange",
"variableName" : "member",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IpRange",
"variableName" : "member",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpRange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpRange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"templateType" : "java.util.List<IpRange>
",
"map" : false,
"mapModel" : null,
"name" : "Ipv4Ranges",
"setterDocumentation" : "/**\n<p>One or more IPv4 ranges.</p>
@param ipv4Ranges One or more IPv4 ranges.</param>*/",
"setterMethodName" : "setIpv4Ranges",
"setterModel" : {
"variableDeclarationType" : "IpRange",
"variableName" : "ipv4Ranges",
"variableType" : "IpRange",
"documentation" : "",
"simpleType" : "IpRange",
"variableSetterType" : "IpRange"
},
"simple" : false,
"simpleType" : "Ipv4Ranges",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"templateType" : "java.util.List<IpRange>
"}
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"variableName" : "ipv4Ranges",
"variableType" : "java.util.List<IpRange>",
"documentation" : "",
"simpleType" : "List<IpRange>",
"variableSetterType" : "java.util.Collection<IpRange>",
},
"simple" : false,
"varargSetterDocumentation" : ""/\/*<p>One or more IPv4 ranges.</p><\p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {\@link #setIpv4Ranges(java.util.Collection)} or {\@link #withIpv4Ranges(java.util.Collection)} if you want to override the existing values.</p><\p><\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpRange>",
"variableName" : "ipv4Ranges",
"variableType" : "java.util.List<IpRange>",
"documentation" : "One or more IPv4 ranges.",
"simpleType" : "List<IpRange>",
"variableSetterType" : "java.util.Collection<IpRange>",
},
"xmlNameSpaceUri" : null,
"Ipv6Ranges" : {
"c2jName" : "Ipv6Ranges",
"c2jShape" : "Ipv6RangeList",
"deprecated" : false,
"documentation" : "One or more IPv6 ranges.",
"enumType" : null,
"fluentSetterDocumentation" : ""/\/*<p>[EC2-VPC only] One or more IPv6 ranges.</p><\p><\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Ranges",
"getterDocumentation" : ""/\/*<p>[EC2-VPC only] One or more IPv6 ranges.</p><\p><\n@returns [EC2-VPC only] One or more IPv6 ranges.</p><\p><\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getIpv6Ranges",
"getterModel" : {
"returnType" : "java.util.List<Ipv6Range>",
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Ipv6Range",
  "variableName" : "member",
  "variableType" : "Ipv6Range",
  "documentation" : "",
  "simpleType" : "Ipv6Range",
  "variableSetterType" : "Ipv6Range"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Ipv6Range",
  "variableName" : "member",
  "variableType" : "Ipv6Range",
  "documentation" : "",
  "simpleType" : "Ipv6Range",
  "variableSetterType" : "Ipv6Range"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Ipv6Range",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6Range",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
"templateType" : "java.util.List<Ipv6Range>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Ranges",
"setterDocumentation" : "/**\n<EC2-VPC only> One or more IPv6 ranges.<p>\n@param ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.*\n*/",
"setterMethodName" : "setIpv6Ranges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
  "variableName" : "ipv6Ranges",
  "variableType" : "java.util.List<Ipv6Range>",
  "documentation" : "",
  "simpleType" : "List<Ipv6Range>",
  "variableSetterType" : "java.util.Collection<Ipv6Range>"
},}
"simple": false,
"varargSetterDocumentation": "/**[EC2-VPC only] One or more IPv6 ranges.<p>}</b><p>}</b>
This method appends the values to the existing list (if any). Use {@link #setIpv6Ranges(java.util.Collection)} or
{@link #withIpv6Ranges(java.util.Collection)} if you want to override the existing values.<p>}</b>
@n}@param
ipv6Ranges [EC2-VPC only] One or more IPv6 ranges.<p>}</b>
@n}@return
Returns a reference to this object so that method calls can be chained together.*"*/,
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6Range>",
  "variableName": "ipv6Ranges",
  "variableType": "java.util.List<Ipv6Range>",
  "documentation": "/**[EC2-VPC only] One or more IPv6 ranges.<p>}</b>
  "simpleType": "List<Ipv6Range>",
  "variableSetterType": "java.util.Collection<Ipv6Range>",
},
"xmlNameSpaceUri": null",
"PrefixListIds": {
  "c2jName": "PrefixListIds",
  "c2jShape": "PrefixListIdList",
  "deprecated": false,
  "documentation": "/**(<Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group."*/
  "enumType": null,
  "fluentSetterDocumentation": "/**(<Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.<p>}</b>
  "getterDocumentation": "/**(<Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group."*/
  "getterMethodName": "getPrefixListIds",
  "getterModel": {
    "returnType": "java.util.List<PrefixListId>",
    "documentation": null}
},
"http": {
  "authType": "}"
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrefixListIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefixListIds",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PrefixListId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "getterDocumentation" : /**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PrefixListId",
      "documentation" : null
    },
    "setterDocumentation" : /**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "setterMethodName" : "withMember",
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "member",
"variableType" : "PrefixListId",
"documentation" : "",
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "member",
"variableType" : "PrefixListId",
"documentation" : "",
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PrefixListId",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PrefixListId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PrefixListId>",
"templateType" : "java.util.List<PrefixListId>"
},
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/** <p>(Valid for <a>AuthorizeSecurityGroupEgress</a>, <a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access

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through a VPC endpoint from instances associated with the security group. 

**NOTE:** This method appends the values to the existing list (if any). Use @link #setPrefixListIds(java.util.Collection) or @link #withPrefixListIds(java.util.Collection) if you want to override the existing values.

### Method chaining

When using the fluent API, you can chain calls together like this:

```java
AutoscalingGroupSecurityGroupEgressUpdatedWithPrefixListIds
  .prefixListIds(PREFIX_LIST_ID_1, PREFIX_LIST_ID_2)
```

This will add `PREFIX_LIST_ID_1` and `PREFIX_LIST_ID_2` to the list of prefix list IDs, replacing any existing entries.

### Example

Here is an example of how to use the fluent API to set prefix list IDs:

```java
AutoscalingGroupSecurityGroupEgressUpdatedWithPrefixListIds
  .prefixListIds(PREFIX_LIST_ID_1, PREFIX_LIST_ID_2)
```

This will add `PREFIX_LIST_ID_1` and `PREFIX_LIST_ID_2` to the list of prefix list IDs, replacing any existing entries.

### Other related methods

- `withPrefixListIds(java.util.Collection)`: This method overrides the existing values with the provided prefix list IDs.
- `setPrefixListIds(java.util.Collection)`: This method sets the prefix list IDs.

### Related APIs

- `AuthorizeSecurityGroupEgress`: This operation allows you to control which AWS services can access your VPC through a VPC endpoint.
- `RevokeSecurityGroupEgress`: This operation removes the ability for an AWS service to access your VPC through a VPC endpoint.
- `DescribeSecurityGroups`: This operation returns information about the security groups that are associated with your VPC.
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>

@return The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.*/",
"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.</p>

@return The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of <code>-1</code> indicates all ICMP/ICMPv6 codes for the specified ICMP type.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code. A value of \-1 indicates all ICMP/ICMPv6 codes for the specified ICMP type."
},
"xmlNameSpaceUri" : null,
"UserIdGroupPairs" : {
  "c2jName" : "UserIdGroupPairs",
  "c2jShape" : "UserIdGroupPairList",
  "deprecated" : false,
  "documentation" : "One or more security group and AWS account ID pairs.",
  "enumType" : null,
  "fluentSetterDocumentation" : "One or more security group and AWS account ID pairs."
},
"userIdGroupPairs" : {
  "c2jName" : "UserIdGroupPairs",
  "c2jShape" : "UserIdGroupPairList",
  "deprecated" : false,
  "documentation" : "One or more security group and AWS account ID pairs.",
  "enumType" : null,
  "fluentSetterMethodName" : "withUserIdGroupPairs",
  "getterDocumentation" : "One or more security group and AWS account ID pairs.",
  "getterMethodName" : "getUserIdGroupPairs",
  "getterModel" : {
    "returnType" : "java.util.List<UserIdGroupPair>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Groups",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groups",
    "uri" : false
  }
}
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "UserIdGroupPair",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "UserIdGroupPair",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@\n@return */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "UserIdGroupPair",
      "variableName": "member",
      "variableType": "UserIdGroupPair",
      "documentation": ""
    }
  }
}
"simpleType": "UserIdGroupPair",
"variableSetterType": "UserIdGroupPair"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
"variableDeclarationType": "UserIdGroupPair",
"variableName": "member",
"variableType": "UserIdGroupPair",
"documentation": "",
"simpleType": "UserIdGroupPair",
"variableSetterType": "UserIdGroupPair"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "UserIdGroupPair",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "UserIdGroupPair",
"templateImplType": "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType": "java.util.List<UserIdGroupPair>"
},
"map": false,
"mapModel": null,
"name": "UserIdGroupPairs",
"setterDocumentation": "/**<p>One or more security group and AWS account ID pairs.</p>
@param userIdGroupPairs One or more security group and AWS account ID pairs.</p>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName": "setUserIdGroupPairs",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"variableName": "userIdGroupPairs",
"variableType": "java.util.List<UserIdGroupPair>",
"documentation": "",
"simpleType": "List<UserIdGroupPair>",
"variableSetterType": "java.util.Collection<UserIdGroupPair>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more security group and AWS account ID pairs.</p>
<NOTE:<b>N</b>OTE: This method appends the values to the existing list (if any). Use {#setUserIdGroupPairs(java.util.Collection)} or {#withUserIdGroupPairs(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
    "variableName" : "userIdGroupPairs",
    "variableType" : "java.util.List<UserIdGroupPair>",
    "documentation" : "One or more security group and AWS account ID pairs.",
    "simpleType" : "List<UserIdGroupPair>",
    "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "IpPermission",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "IpPermission",
    "variableName" : "ipPermission",
    "variableType" : "IpPermission",
    "documentation" : null,
    "simpleType" : "IpPermission",
    "variableSetterType" : "IpPermission"
},
"wrapper" : false
},
"IpRange" : {
    "c2jName" : "IpRange",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
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    "deprecated" : false,
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    "enums" : null,
    "errorCode" : null,
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    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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            "variableName" : "cidrIp",
            "variableType" : "java.util.List<CidrIp>",
            "documentation" : "An IPv4 CIDR.",
            "simpleType" : "List<CidrIp>",
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        },
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix. */",
"enumType" : null,
"fluentSetterDocumentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix. */
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@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.
@return The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix. */",
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"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "cidrIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.
@param cidrIp The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setCidrIp",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@\n\n
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  "variableName" : "cidrIp",
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**\n
@\n\n
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The IPv4 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address, use the /32 prefix.\n@\n\n
**\n
@returns returns a reference to this object so that method calls can be chained together.*\*/",
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**

@returns returns a reference to this object so that method calls can be chained together.*\*/",
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"getterDocumentation" : "/**\n@\n\n
**

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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "cidrIp",
"uri" : false
],
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a source
security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>\n@param cidrIp The IPv4 CIDR
range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4 address,
use the /32 prefix.*/",
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"variableName" : "cidrIp",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR range. You can either specify a CIDR range or a
source security group, not both. To specify a single IPv4 address, use the /32 prefix.</p>\n@param cidrIp The IPv4
CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv4
address, use the /32 prefix.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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group, not both. To specify a single IPv4 address, use the /32 prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"required" : null,
"shapeName" : "IpRange",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "ipRange",
  "variableType" : "IpRange",
  "documentation" : null,
  "simpleType" : "IpRange",
  "variableSetterType" : "IpRange"
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"variable" : {
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  "variableName" : "ipRange",
  "variableType" : "IpRange",
  "documentation" : null,
  "simpleType" : "IpRange",
  "variableSetterType" : "IpRange"
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"wrapper" : false
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"Ipv6CidrBlock" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 CIDR block.</p>",
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  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "deprecated" : false,
      "documentation" : "<p>The IPv6 CIDR block.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>*/
      "@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withIpv6CidrBlock",
      "getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>*/
      "@return The IPv6 CIDR block.*/",
      "getterMethodName" : "getIpv6CidrBlock",
      "getModel" : {
        "returnType" : "String",
        "documentation" : null
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    }
  ]
}
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**\n* The IPv6 CIDR block.
*\n* @param ipv6CidrBlock The IPv6 CIDR block.
*\n* @return Returns a reference to this object so that method calls can be chained together.
*/",

"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**\n* The IPv6 CIDR block.
*\n* @param ipv6CidrBlock The IPv6 CIDR block.
*\n* @return Returns a reference to this object so that method calls can be chained together.
*/",

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  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.*/",
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"getterModel" : {
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   "documentation" : null
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   "greedy" : false,
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   "isPayload" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
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   "simpleType" : "String",
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"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.
*/"
@return Returns a reference to this object so that method calls can be chained together."*/

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    "simpleType" : "String",
    "variableSetterType" : "String"
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"requestSignerClassFqcn" : null,
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    "variableType" : "Ipv6CidrBlock",
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    "variableSetterType" : "Ipv6CidrBlock"
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
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    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
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"enumType" : null,
"fluentSetterDocumentation" : "The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.",
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"getterModel" : {
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "cidrIpv6",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIpv6",
"setterDocumentation" : "The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.",
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"documentation" : null
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"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv6 CIDR range. You can either specify a CIDR range or a source
 * security group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security
 * group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR range. You can either specify a CIDR range or a source
 * security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>
 *\n * @param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security
 * group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @return Returns a reference to this object so that method calls can be chained
together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"membersAsMap" : {
  "CidrIpv6" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security
 * group, not both. To specify a single IPv6 address, use the /128 prefix.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withCidrIpv6",
    "getterDocumentation" : "/**\n * The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.\n *\n * @param cidrIpv6\n * @return The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.\n */",
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    "getterModel" : {
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      "documentation" : null
    }
  },
  "http" : {
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "cidrIpv6",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrIpv6",
"setterDocumentation": "/**<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.*/",
"setterMethodName": "setCidrIpv6",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "cidrIpv6",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>@param cidrIpv6 The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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    "variableType" : "Ipv6Range",
    "documentation" : null,
    "simpleType" : "Ipv6Range",
    "variableSetterType" : "Ipv6Range"
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"wrapper" : false
},
"KeyPair" : {
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    "customization" : {
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        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : "Describes a key pair.
    \n    **Method:** 
    
    @param keyName The name of the key pair. 
    \n    @return Returns a reference to this object so that method calls can be chained together."
},
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
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"members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The name of the key pair.
    \n    **Method:** 
    
    @param keyName The name of the key pair. 
    \n    @return Returns a reference to this object so that method calls can be chained together."
},
"enumType" : null,
"fluentSetterDocumentation" : "The name of the key pair.
    \n    **Method:** 
    
    @param keyName The name of the key pair. 
    \n    @return Returns a reference to this object so that method calls can be chained together."
],
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "The name of the key pair.
    \n    **Method:** 
    
    @param keyName The name of the key pair. 
    \n    @return Returns a reference to this object so that method calls can be chained together."
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"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
], {
  "c2jName" : "KeyFingerprint",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>*/
@returns The SHA-1 digest of the DER encoded private key.

@returns The SHA-1 digest of the DER encoded private key.

getterMethodName" : "getKeyFingerprint",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyFingerprint",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyFingerprint",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "KeyFingerprint",
  "setterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>*/
@returns The SHA-1 digest of the DER encoded private key.

@returns The SHA-1 digest of the DER encoded private key.

setterMethodName" : "setKeyFingerprint",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyFingerprint",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"
variableSetterType" : "String"
},
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>@param
 keyFingerprint The SHA-1 digest of the DER encoded private key</n>@return Returns a reference to this object so
 that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "keyFingerprint",
 "variableType" : "String",
 "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
 "xmlNameSpaceUri" : null
},
 "c2jName" : "KeyMaterial",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>An unencrypted PEM encoded RSA private key.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>@param
 keyMaterial An unencrypted PEM encoded RSA private key</n>@return Returns a reference to this object so that
 method calls can be chained together.*/",
 "fluentSetterMethodName" : "withKeyMaterial",
 "getterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>@return An
 unencrypted PEM encoded RSA private key.</n>",
 "getterMethodName" : "getKeyMaterial",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "KeyMaterial",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "keyMaterial",
 "uri" : false
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 "idempotencyToken" : false,
"setterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>
@param keyMaterial
An unencrypted PEM encoded RSA private key.*"/",
"setterMethodName" : "setKeyMaterial",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyMaterial",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.</p>
@param keyMaterial
An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyMaterial",
    "variableType" : "String",
    "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>",
    "variableSetterType" : "String",
    "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>",
    "returnType" : "null",
    "deprecated" : false,
    "documentation" : "<p>The SHA-1 digest of the DER encoded private key.</p>"},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
"KeyFingerprint" : {
    "c2jName" : "KeyFingerprint",
    "c2jShape" : "String",
    "documentation" : "The SHA-1 digest of the DER encoded private key.
"},
"getterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@return The SHA-1 digest of the DER encoded private key.*"/",
"getterMethodName" : "getKeyFingerprint",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"fluentSetterMethod" : "withKeyFingerprint",
"fluentSetterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@param keyFingerprint
The SHA-1 digest of the DER encoded private key.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"fluentSetterMethodName" : "withKeyFingerprint",
"getterDocumentation" : "/**<p>The SHA-1 digest of the DER encoded private key.</p>
@return The SHA-1 digest of the DER encoded private key.*"/",
"getterMethodName" : "getKeyFingerprint",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"xmlNameSpaceUri" : null
}];
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KeyFingerprint",
"setterDocumentation": "/**<p>The SHA-1 digest of the DER encoded private key.</p>*/
@param
keyFingerprint The SHA-1 digest of the DER encoded private key. */
,"setterMethodName": "setKeyFingerprint",
"setterModel": {
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  "variableName": "keyFingerprint",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The SHA-1 digest of the DER encoded private key.</p>*/
@param
keyFingerprint The SHA-1 digest of the DER encoded private key.
@return Returns a reference to this object so that method calls can be chained together. */
,"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "<p>The SHA-1 digest of the DER encoded private key.</p>
,"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"KeyMaterial": {
  "c2jName": "KeyMaterial"}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>An unencrypted PEM encoded RSA private key.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>An unencrypted PEM encoded RSA private key.</p>
@param keyMaterial An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyMaterial",
"getterDocumentation" : "/*<p>An unencrypted PEM encoded RSA private key.</p>
@return An unencrypted PEM encoded RSA private key.*/",
"getterMethodName" : "getKeyMaterial",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "KeyMaterial",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyMaterial",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyMaterial",
"setterDocumentation" : "/*<p>An unencrypted PEM encoded RSA private key.</p>
@param keyMaterial An unencrypted PEM encoded RSA private key.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyMaterial",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "keyMaterial",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An unencrypted PEM encoded RSA private key.<p/>
@ln@param keyMaterial An unencrypted PEM encoded RSA private key.<p/>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyMaterial",
  "variableType" : "String",
  "documentation" : "<p>An unencrypted PEM encoded RSA private key.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@n@param keyName The name of the key pair.<p/>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyName",
  "getterDocumentation" : "/**<p>The name of the key pair.</p>
@n@return The name of the key pair.</p>",
  "getterMethodName" : "getKeyName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "keyName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "KeyPair",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "KeyPair",
  "variableName" : "keyPair",
  "variableType" : "KeyPair",
  "documentation" : null,
  "simpleType" : "KeyPair",
  "variableSetterType" : "KeyPair"
},
"wrapper" : false
},
"KeyPairInfo" : {
  "c2jName" : "KeyPairInfo",
  "customization" : {
    "artificialResultWrapper" : null,
    "artificialResultWrapper": null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a key pair.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>
@return The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "keyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digi...
If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716. 

If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716. 

If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.
"variableType": "String",
"documentation": "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.",&gt;

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"KeyFingerprint": {
"c2jName": "KeyFingerprint",
"c2jShape": "String",
"deprecated": false,
"documentation": "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.",&gt;

"enumType": null,
"fluentSetterDocumentation": "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withKeyFingerprint",
"getterDocumentation": "If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

\n@return If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.

*/",
"getterMethodName": "getKeyFingerprint",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "KeyFingerprint",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "keyFingerprint",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyFingerprint",
"setterDocumentation" : "/**<p>If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>
@param keyFingerprint If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/",
"setterMethodName" : "setKeyFingerprint",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyFingerprint",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>
@param keyFingerprint If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>If you used <a>CreateKeyPair</a> to create the key pair, this is the SHA-1 digest of the DER encoded private key. If you used <a>ImportKeyPair</a> to provide AWS the public key, this is the MD5 public key fingerprint as specified in section 4 of RFC4716.</p>
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p>"
"enumType" : null,
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"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.\n@\n@return The name of the key pair.*/",
"getterMethodId" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.\n@\n@param keyName The name of the key pair.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String"
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"simpleType" : "String",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID.</p>",
"variableType" : "String",
"documentation" : "<p>The name of the key pair.</p>",
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\n@tsParam userId The AWS account ID.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserId",
"getterDocumentation" : "/**<p>The AWS account ID.</p>
\n@tsParam userId The AWS account ID.
\n@return The AWS account ID.*/",
"getterMethodname" : "getUserId",
"getterModel" : {
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"documentation" : null
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"isStreaming" : false,
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"mapModel" : null,
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\n@tsParam userId The AWS account ID.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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\n@tsParam userId The AWS account ID.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : "PermissionGroup",
"fluentSetterDocumentation" : "/**<p>The name of the group.</p>\n@param group The name of the group.\n@return Returns a reference to this object so that method calls can be chained together.\n@see PermissionGroup*/",
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"getterDocumentation" : "/**<p>The name of the group.</p>\n@return The name of the group.\n@see PermissionGroup*/",
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* \n* @return Returns a reference to this object so that method calls can be chained together.
* \n* @see PermissionGroup*/",
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    "enumType" : "PermissionGroup",
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* \n* @param group The name of the group.
* \n* @return Returns a reference to this object so that method calls can be chained together.
* \n* @see PermissionGroup*/",
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    "getterDocumentation" : "/**\n* The name of the group.
* \n* @return The name of the group.
* \n* @see PermissionGroup*/",
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      "documentation" : null
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@param userId The AWS account ID.*/",
"setterMethodName" : "setUserId",
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  "variableName" : "userId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID.</p>
@param userId The AWS account ID.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The AWS account ID.</p>",
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  "variableSetterType" : "String"
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"required" : null,
"shapeName" : "LaunchPermission",
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  "resultWrapper" : null
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  "variableSetterType" : "LaunchPermission"
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    "skipGeneratingModelClass" : false,
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  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
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    "c2jShape" : "LaunchPermissionList",
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    "enumType" : "null",
    "fluentsetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>@param add The AWS account ID to add to the list of launch permissions for the AMI.@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>@return The AWS account ID to add to the list of launch permissions for the AMI.*/",
    "getterMethodname" : "getAdd",
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"getterModel" : {
  "returnType" : "java.util.List<LaunchPermission>",
  "documentation" : null
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"http" : {
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  "greedy" : false,
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  "isStreaming" : false,
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    "c2jShape" : "LaunchPermission",
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    "documentation" : "**
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    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/**
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     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
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      "documentation" : null
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      "statusCode" : false,
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      "uri" : false
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"uri" : false
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"map" : false,
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"setterDocumentation" : "/**
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "documentation" : "",
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  "variableSetterType" : "LaunchPermission"
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<LaunchPermission>"
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>\n@param add The AWS account ID to add to the list of launch permissions for the AMI.*/",
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    "documentation" : "",
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    "variableSetterType" : "java.util.Collection<LaunchPermission>",
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>\n@param add The AWS account ID to add to the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "java.util.List<LaunchPermission>",
    "documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>",
    "simpleType" : "List<LaunchPermission>",
    "variableSetterType" : "java.util.Collection<LaunchPermission>",
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"c2jShape" : "LaunchPermissionList",
"deprecated" : false,
"fluentSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemove",
"getterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>\n@return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
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"getterModel" : {
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    "documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
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    "c2jShape" : "LaunchPermission",
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     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
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"setterDocumentation" : "/**
@param member */",
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"setterModel" : {

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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "templateType" : "java.util.List<LaunchPermission>",
  "map" : false,
  "mapModel" : null,
  "name" : "Remove",
  "setterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for the AMI.*/",
  "setterMethodName" : "setRemove",
  "setterModel" : {

"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>"}},
"variableName" : "remove",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for
the AMI.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
#setRemove(java.util.Collection)} or {@link #withRemove(java.util.Collection)} if you want to override the
existing values.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for the
AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
    "variableName" : "remove",
    "variableType" : "java.util.List<LaunchPermission>",
    "documentation" : "The AWS account ID to remove from the list of launch permissions for
the AMI.",
    "simpleType" : "List<LaunchPermission>",
    "variableSetterType" : "java.util.Collection<LaunchPermission>",
    "xmlNameSpaceUri" : null
    }
},
"membersAsMap" : {
    "Add" : {
        "c2jName" : "Add",
        "c2jShape" : "LaunchPermissionList",
        "deprecated" : false,
        "documentation" : "The AWS account ID to add to the list of launch permissions for the AMI.",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the
AMI.</p>\n@param add The AWS account ID to add to the list of launch permissions for the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withAdd",
        "getterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the
AMI.</p>\n@return The AWS account ID to add to the list of launch permissions for the AMI.*/",
        "getterMethodName" : "getAdd",
        "getterModel" : {
            "returnType" : "java.util.List<LaunchPermission>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "uriTemplateSegments" : null
        }
    },
    "Remove" : {
        "c2jName" : "Remove",
        "c2jShape" : "LaunchPermissionList",
        "deprecated" : false,
        "documentation" : "The AWS account ID to remove from the list of launch permissions for the
AMI.",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the
AMI.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withRemove",
        "getterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the
AMI.</p>\n@return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
        "getterMethodName" : "getRemove",
        "getterModel" : {
            "returnType" : "java.util.List<LaunchPermission>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "uriTemplateSegments" : null
        }
    },
    "AddPermission" : {
        "c2jName" : "AddPermission",
        "c2jShape" : "LaunchPermissionList",
        "deprecated" : false,
        "documentation" : "The AWS account ID to add to the list of launch permissions for the
AMI.",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the
AMI.</p>\n@param add The AWS account ID to add to the list of launch permissions for the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withAddPermission",
        "getterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the
AMI.</p>\n@return The AWS account ID to add to the list of launch permissions for the AMI.*/",
        "getterMethodName" : "getAddPermission",
        "getterModel" : {
            "returnType" : "java.util.List<LaunchPermission>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "uriTemplateSegments" : null
        }
    },
    "RemovePermission" : {
        "c2jName" : "RemovePermission",
        "c2jShape" : "LaunchPermissionList",
        "deprecated" : false,
        "documentation" : "The AWS account ID to remove from the list of launch permissions for the
AMI.",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the
AMI.</p>\n@param remove The AWS account ID to remove from the list of launch permissions for the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withRemovePermission",
        "getterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the
AMI.</p>\n@return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
        "getterMethodName" : "getRemovePermission",
        "getterModel" : {
            "returnType" : "java.util.List<LaunchPermission>",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "uriTemplateSegments" : null
        }
    }
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Add",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Add",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LaunchPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "*/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "*/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
  },
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
}
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "LaunchPermission",
  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "LaunchPermission",
  "variableName" : "member",
  "variableType" : "LaunchPermission",
  "documentation" : "",
  "simpleType" : "LaunchPermission",
  "variableSetterType" : "LaunchPermission"
},
"simple" : false,
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>",
"map" : false,
"mapModel" : null,
"name" : "Add",
"setterDocumentation" : "/**\pnThe AWS account ID to add to the list of launch permissions for the AMI.\n@param add The AWS account ID to add to the list of launch permissions for the AMI.*/",
"setterMethodName" : "setAdd",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
  "variableName" : "add",
  "variableType" : "java.util.List<LaunchPermission>",
  "documentation" : "",
  "simpleType" : "List<LaunchPermission>"}
"variableSetterType" : "java.util.Collection<LaunchPermission>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
*NOTE:* This method appends the values to the existing list (if any). Use {ref link #setAdd(java.util.Collection)} or {ref link #withAdd(java.util.Collection)} if you want to override the existing values.</p>
* @param add The AWS account ID to add to the list of launch permissions for the AMI
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "add",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "<p>The AWS account ID to add to the list of launch permissions for the AMI.</p>
*simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>",
"xmlNameSpaceUri" : null
},
"Remove" : {
"c2jName" : "Remove",
"c2jShape" : "LaunchPermissionList",
"deprecated" : false,
"documentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
*enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
* @param remove The AWS account ID to remove from the list of launch permissions for the AMI
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemove",
"getterDocumentation" : "/**<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
* @return The AWS account ID to remove from the list of launch permissions for the AMI.*/",
"getterMethodName" : "getRemove",
"getterModel" : {
"returnType" : "java.util.List<LaunchPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Remove",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Remove",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "LaunchPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "LaunchPermission",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "LaunchPermission",
      "setterDocs" : null
    }
  }
}
"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "LaunchPermission",
"variableName" : "member",
"variableType" : "LaunchPermission",
"documentation" : "",
"simpleType" : "LaunchPermission",
"variableSetterType" : "LaunchPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "LaunchPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "LaunchPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"templateType" : "java.util.List<LaunchPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "Remove",
"setterDocumentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
@param remove The AWS account ID to remove from the list of launch permissions for the AMI.*/",
"setterMethodName" : "setRemove",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
"variableName" : "remove",
"variableType" : "java.util.List<LaunchPermission>",
"documentation" : "",
"simpleType" : "List<LaunchPermission>",
"variableSetterType" : "java.util.Collection<LaunchPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>
\b\bNOTE:\b\b This method appends the values to the existing list (if any). Use { @link
"setRemove(java.util.Collection)" or [@link #withRemove(java.util.Collection)] if you want to override the existing values.</p>

@returns The AWS account ID to remove from the list of launch permissions for the AMI.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<LaunchPermission>",
    "variableName" : "remove",
    "variableType" : "java.util.List<LaunchPermission>",
    "documentation" : "<p>The AWS account ID to remove from the list of launch permissions for the AMI.</p>",
    "simpleType" : "List<LaunchPermission>",
    "variableSetterType" : "java.util.Collection<LaunchPermission>",
    "xmlNameSpaceUri" : null,
  },
  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
  "shapeName" : "LaunchPermissionModifications",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null,
  },
  "variable" : {
    "variableDeclarationType" : "LaunchPermissionModifications",
    "variableName" : "launchPermissionModifications",
    "variableType" : "LaunchPermissionModifications",
    "documentation" : null,
    "simpleType" : "LaunchPermissionModifications",
    "variableSetterType" : "LaunchPermissionModifications",
    "wrapper" : false,
  },
  "LaunchSpecification" : {
    "c2jName" : "LaunchSpecification",
    "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
      "deprecated" : false,
      "documentation" : "<p>Describes the launch specification for an instance.</p>",
      "enums" : null,
      "errorCode" : null,
      "hasHeaderMember" : false,
      "hasPayloadMember" : false,
      "hasStatusCodeMember" : false,
      "deprecationMessage" : null,
      "documentation" : null,
      "name" : "LaunchSpecification",
      "simpleType" : "LaunchSpecification",
    },
    "documentation" : null,
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification",
  },
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "ImageId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the AMI.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withImageId",
  "getterDocumentation": "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.*/",
  "getterMethodName": "getImageId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ImageId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "imageId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "ImageId",
  "setterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setImageId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "imageId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  }
},
"http": {...

"simple": true,
"varargSetterDocumentation": /**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "imageId",
    "variableType": "String",
    "documentation": "<p>The ID of the AMI.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "KeyName",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The name of the key pair.</p>",
"enumType": null,
"fluentSetterDocumentation": /*
<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/,
"fluentSetterMethodName": "withKeyName",
"getterDocumentation": /*
<p>The name of the key pair.</p>
@return The name of the key pair.*",
"getterMethodName": "getKeyName",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "KeyName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "keyName",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>\n@param keyName The name of the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@returns The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/",
"getterMethodName" : "getUserData",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}"}
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserData",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userData",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",

"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/",

"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>\n@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "AddressingType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Deprecated.\</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\</p><em>@param addressingType Deprecated.\</p>
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAddressingType",
  "getterDocumentation" : "/**\</p><em>@return
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getAddressingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AddressingType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "addressingType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AddressingType",
  "setterDocumentation" : "/**\</p><em>@param addressingType Deprecated.\</p>
  @return
  Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setAddressingType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "addressingType",
    "variableType" : "String",
    "documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.</p>
@param addressingType Deprecated.
@return

Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "addressingType",
"variableType" : "String",
"documentation" : "/<p>Deprecated.</p>

simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "/<p>The instance type.</p>

enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type.</p>

@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type.</p>

@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Placement",
"c2jShape" : "SpotPlacement",
"deprecated" : false,
"documentation" : "<p>The placement information for the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "/**<p>The placement information for the instance.</p>
@return The placement information for the instance.*/",
"getterMethodName" : "getPlacement",
"getterModel" : {
  "returnType" : "SpotPlacement",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Placement",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "placement",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Placement",
"setterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.*/",
"setterMethodName": "setPlacement",
"setterModel": {
  "variableDeclarationType": "SpotPlacement",
  "variableName": "placement",
  "variableType": "SpotPlacement",
  "documentation": "",
  "complexType": "SpotPlacement",
  "variableSetterType": "SpotPlacement"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "SpotPlacement",
  "variableName": "placement",
  "variableType": "SpotPlacement",
  "documentation": "The placement information for the instance.",
  "complexType": "SpotPlacement",
  "variableSetterType": "SpotPlacement"
},
"simpleType": "SpotPlacement",
"simple": false,
"variableSetterType": "SpotPlacement"}
"fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>@param kernelId The ID of the kernel
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>@return The ID of the kernel.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KernelId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kernelId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>@param kernelId The ID of the kernel
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}, {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"xmlNameSpaceUri" : null
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "<p>The ID of the RAM disk.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "One or more block device mapping entries.
<p>Although you can specify
encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not
encrypted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.</p> Although you can specify
encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not
encrypted.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"returns" : null,
"serviceName" : "EC2",
"tagWriterKey" : null,
"version" : "2016-11-15"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "c2jShape" : "BlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n    @param member */",
    "setterMethodName" : "setMember",}
"setterModel" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>",
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p> <p>@param blockDeviceMappings One or more block device mapping entries.</p> <p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
}
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "One or more block device mapping entries.
Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.

NOTE: This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.

@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*"",

"simple" : false,

"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>

NOTE: This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>

@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*"",

"xmlNameSpaceUri" : null,

},

"c2jName" : "SubnetId",

"c2jShape" : "String",

deprecated" : false,

"documentation" : "The ID of the subnet in which to launch the instance.

@param subnetId The ID of the subnet in which to launch the instance.

@return Returns a reference to this object so that method calls can be chained together.*"",

"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>

@param subnetId The ID of the subnet in which to launch the instance.

@return Returns a reference to this object so that method calls can be chained together.*"",

"fluentSetterMethodName" : "withSubnetId",

"getterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>

@return The ID of the subnet in which to launch the instance.*"",

"getterMethodName" : "getSubnetId",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId
The ID of the subnet in which to launch the instance.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instance.</p>
@param subnetId The ID of the subnet in which to launch the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
};

"c2jName" : "NetworkInterfaces",
"c2jShape" : "InstanceNetworkInterfaceSpecificationList",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>

"return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@return One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
  "returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterface",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterfaceSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceNetworkInterfaceSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"}
],
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*\*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setNetworkInterfaces(java.util.Collection)} or {@link #withNetworkInterfaces(java.util.Collection)} if you want to override the existing values.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p><p>@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*\*/"
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification",
"xmlNameSpaceUri" : null,
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : " Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p> 

@return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p>

@returns Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterDocumentation" : "/**
<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p> 

@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization is available for EBS I/O performance. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p>

@return Indicates whether the instance is optimized for EBS I/O. This optimization is available for EBS I/O performance. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p> 

@returns Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**
<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p>

@return Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p>

@returns Returns a reference to this object so that method calls can be chained together.*",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EbsOptimized",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/** <p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. </p> <p>Default: <code>false</code> </p>\n@<code>ebsOptimized</code> Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. </p> <p>Default: <code>false</code> */",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "ebsOptimized",
 "variableType" : "Boolean",
 "documentation" : "",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. </p> <p>Default: <code>false</code> </p>\n@<code>ebsOptimized</code> Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. </p> <p>Default: <code>false</code>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "ebsOptimized",
 "variableType" : "Boolean",
 "documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. </p> <p>Default: <code>false</code> </p>\n@return Returns a reference to this object so that method calls can be chained together. */",
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
"c2jName" : "AllSecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

"enumType" : null,
"fluentSetterDocumentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

return AllSecurityGroups

fluentSetterMethodName" : "withAllSecurityGroups",
"getterDocumentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups."

getterMethodName" : "getAllSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<GroupIdentifier>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
  },
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "GroupIdentifier",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member * /",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "GroupIdentifier",
 "variableName" : "member",
 "variableType" : "GroupIdentifier",
 "documentation" : "",
 "simpleType" : "GroupIdentifier",
 "variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"}
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>",
"map" : false,
"mapModel" : null,
"name" : "AllSecurityGroups",
"setterDocumentation" : "/**
\n* One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
\n*/
\n@param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
\n@return Returns a reference to this object so that method calls can be chained together.
\n*/",
"setterMethodName" : "setAllSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "allSecurityGroups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
\n* One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
\n*/\n\n@link #setAllSecurityGroups(java.util.Collection) or @link #withAllSecurityGroups(java.util.Collection) if you want to override the existing values.
\n\n@return Returns a reference to this object so that method calls can be chained together.
\n*/
\n/**
\n* One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
\n*/
\n"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "allSecurityGroups",
"variableType" : "java.util.List<
GroupIdentifier>",
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify
the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of
the security groups.</p>",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "MonitoringEnabled",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param monitoringEnabled 
@return Returns a reference to this object
so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMonitoringEnabled",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMonitoringEnabled",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Enabled",
"additionalUnmarshallingPath" : "enabled",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "monitoring",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MonitoringEnabled",
"setterDocumentation" : "/**
@param monitoringEnabled */",
"setterMethodName" : "setMonitoringEnabled",
"setterModel" : { }
"variableDeclarationType" : "Boolean",
"variableName" : "monitoringEnabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param monitoringEnabled 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "monitoringEnabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupNameStringList",
"deprecated" : false,
"documentation" : "<p>One or more security group names.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security group names.</p>
@param securityGroups One or more security group names.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security group names.</p>
@return One or more security group names.*/",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "securityGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"documentation" : null
}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**
<p>One or more security group names.</p>
@param securityGroups One or more security group names.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>One or more security group names.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroups(java.util.Collection)} or
{@link #withSecurityGroups(java.util.Collection)} if you want to override the existing values.

*param securityGroups One or more security group names.*

*return Returns a reference to this object so that method calls can be chained together.*

```
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group names.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsSpaceUri" : null
},
"membersAsMap" : {
  "AddressingType" : {
    "c2jName" : "AddressingType",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Deprecated.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Deprecated.</p>
    *param addressingType Deprecated.
    *return Returns a reference to this object so that method calls can be chained together.*",
    "fluentSetterMethodName" : "withAddressingType",
    "getterDocumentation" : "/**<p>Deprecated.</p>
    *return Deprecated.*",
    "getterMethodName" : "getAddressingType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AddressingType",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "addressingType",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
  }
  
```

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"mapModel" : null,
"name" : "AddressingType",
"setterDocumentation" : "/**<p>Deprecated.<br/>
@param addressingType Deprecated.*/",
"setterMethodName" : "setAddressingType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "addressingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.<br/>
@param addressingType Deprecated.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "addressingType",
    "variableType" : "String",
    "documentation" : "<p>Deprecated.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AllSecurityGroups" : {
    "c2jName" : "AllSecurityGroups",
    "c2jShape" : "GroupIdentifierList",
    "deprecated" : false,
    "documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.<br/>
</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.<br/>
@param allSecurityGroups One or more security groups.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAllSecurityGroups",
    "getterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.<br/>
@return One or more security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.<br/>
</p>",
    "getterMethodName" : "getAllSecurityGroups",
    "getterModel" : {
        "returnType" : "java.util.List<GroupIdentifier>",
        "xmlNameSpaceUri" : null
    }
}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "GroupIdentifier",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "GroupIdentifier",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
",
"map" : false,
"mapModel" : null,
"name" : "AllSecurityGroups",
"setterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
@param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>*/",
"setterMethodName" : "setAllSecurityGroups",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
   "variableName" : "allSecurityGroups",
   "variableType" : "java.util.List<GroupIdentifier>",
   "documentation" : "",
   "simpleType" : "List<GroupIdentifier>",
   "variableSetterType" : "java.util.Collection<GroupIdentifier>
   
   },
   "simple" : false,
   "varargSetterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p> <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAllSecurityGroups(java.util.Collection)} or {@link #withAllSecurityGroups(java.util.Collection)} if you want to override the existing values.</p>
@param allSecurityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
   "variableName" : "allSecurityGroups",
   "variableType" : "java.util.List<GroupIdentifier>",
   "documentation" : "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
   
   "simpleType" : "List<GroupIdentifier>",
   "variableSetterType" : "java.util.Collection<GroupIdentifier>
   
   },
   "simpleNameSpaceUri" : null
   
   },
   "BlockDeviceMappings" : {
   "c2jName" : "BlockDeviceMappings",
   "c2jShape" : "BlockDeviceMappingList",
   "deprecated" : false,
   "documentation" : "One or more block device mapping entries.
   
   although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.
   
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.
   
   although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>
   
   <p>\n@\param blockDeviceMappings One or more block device mapping entries.</p>
   
   <p>\n\return Returns a reference to this object so that method calls can be chained together.</p>*/","
"fluentSetterMethodName": "withBlockDeviceMappings",
"getterDocumentation": "/**<p>One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>\n@return One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.*/",
"getterMethodName": "getBlockDeviceMappings",
"getterModel": {
"returnType": "java.util.List<BlockDeviceMapping>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "BlockDeviceMapping",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "blockDeviceMapping",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "BlockDeviceMapping",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getMethodName": "getMember",
"getterModel": {
"returnType": "BlockDeviceMapping",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"simple": false,
"simpleType": "BlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType": "java.util.List<BlockDeviceMapping>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**<p>One or more block device mapping entries.</p> 
<p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p><p>@param blockDeviceMappings One or more block device mapping entries.</p> 
<p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.*\*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
 "variableName": "blockDeviceMappings",
 "variableType": "java.util.List<BlockDeviceMapping>",
 "documentation": "",
 "simpleType": "List<BlockDeviceMapping>",
 "variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more block device mapping entries.</p> 
<p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setBlockDeviceMappings(java.util.Collection) or [@link #withBlockDeviceMappings(java.util.Collection)] if you want to override the existing values.</p><p>@param blockDeviceMappings One or more block device mapping entries.</p> 
<p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p><p>@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
 "variableName": "blockDeviceMappings",
 "variableType": "java.util.List<BlockDeviceMapping>",
 "documentation": "/p>One or more block device mapping entries.</p> 
<p>Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>"
},
"simpleType": "List<BlockDeviceMapping>",
"variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri": null
},
"EbsOptimized": {
 "c2jName": "EbsOptimized",
 "c2jShape": "Boolean",
 "deprecated": false,
 "documentation": "/p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

Default: `false`

```java
@get
public boolean isEbsOptimized() {
    return ebsOptimized;
}
```
"setterDocumentation" : "/**
<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</code>true
"}/**

"setterMethodDName" : "setEbsOptimized",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</code>false
"}/**

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>
</param>
@return Returns a reference to this object so that method calls can be chained together.
}),
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
"enumType" : null,
"fluuentSetterDocumentation" : "/**
<p>The IAM instance profile.</p>
@return Returns a reference to this object so that method calls can be chained together.</code>
"}/**

"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
"enumType" : null,
"fluuentSetterDocumentation" : "/**
<p>The IAM instance profile.</p>
@return Returns a reference to this object so that method calls can be chained together.</code>
"}
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
@return The IAM instance profile.*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
"returnType" : "IamInstanceProfileSpecification",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfile",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfile",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "<p>The IAM instance profile.</p>
",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"}
"variableSetterType" : "IamInstanceProfileSpecification",
},
"xmlNameSpaceUri" : null
},
"ImageId" : {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the AMI.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;&lt;param name&="imageId"&gt;The ID of the AMI.&lt;/param&gt;&lt;/p&gt;&lt;param name&="imageId"&gt;Returns a reference to this object so that method calls can be chained together.*&lt;/p&gt;",
  "fluentSetterMethodName" : "withImageId",
  "getterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;&lt;param name&="imageId"&gt;The ID of the AMI.*&lt;/p&gt;",
  "getterMethodName" : "getImageId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageId",
  "setterDocumentation" : "/**&lt;p&gt;The ID of the AMI.&lt;/p&gt;&lt;param name&="imageId"&gt;The ID of the AMI.*&lt;/p&gt;",
  "setterMethodName" : "setImageId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the AMI.</p>\n@returnsAMI\n*/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type.</p>",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/*<p>The instance type.</p>\n@returns The instance type.\n@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/*<p>The instance type.</p>\n@returns The instance type.\n@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"KernelId" : {
    "c2jName" : "KernelId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the kernel.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.
@see KernelId*/",
    "fluentSetterMethodName" : "withKernelId",
    "getterDocumentation" : "/**<p>The ID of the kernel.</p>
@return The ID of the kernel.
@see getKernelId*/",
    "getterMethodName" : "getKernelId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false,

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**\n<p>The ID of the kernel.</p><p>@param/kernelId The ID of the kernel.</p>*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the kernel.</p><p>@param/kernelId The ID of the kernel.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The name of the key pair.</p><p>@param/\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",}
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**\<p>The name of the key pair.</p>\n@returns The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KeyName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "keyName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**\<p>The name of the key pair.</p>\n@param keyName The name of the key pair.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The name of the key pair.</p>\n@param keyName The name of the key pair.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>",
  "simpleType" : "String"
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"MonitoringEnabled" : {
  "c2jName" : "MonitoringEnabled",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
@param monitoringEnabled
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMonitoringEnabled",
  "getterDocumentation" : "/**
@return */",
  "getterMethodName" : "getMonitoringEnabled",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Enabled",
    "additionalUnmarshallingPath" : "enabled",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Monitoring",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "monitoring",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "MonitoringEnabled",
  "setterDocumentation" : "/**\n@param monitoringEnabled
*/",
  "setterMethodName" : "setMonitoringEnabled",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "monitoringEnabled",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean"}
"variableSetterType" : "Boolean",
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param monitoringEnabled
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "monitoringEnabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
"c2jName" : "NetworkInterfaces",
"c2jShape" : "InstanceNetworkInterfaceSpecificationList",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterface",
"queryString" : false,
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
],
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
"variableDeclarationType" :
"com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : "",
"simpleType" : "List<InstanceNetworkInterfaceSpecification>",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
"variable" : {
"variableDeclarationType" : 
"com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : "One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.

NOTE: This method appends the values to the existing list (if any). Use \{ @link #setNetworkInterfaces(java.util.Collection) \} or \{ @link #withNetworkInterfaces(java.util.Collection) \} if you want to override the existing values.

\@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
\@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"xmlNameSpaceUri" : null
},
"Placement" : {
"c2jName" : "Placement",
"c2jShape" : "SpotPlacement",
"deprecated" : false,
"documentation" : "The placement information for the instance.

\@param placement The placement information for the instance.
\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlacement",
"getterDocumentation" : "The placement information for the instance.
\@return The placement information for the instance.*/",
"getterMethodName" : "getPlacement",
"getterModel" : {
"returnType" : "SpotPlacement",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",...
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
"variableDeclarationType" : "SpotPlacement",
"variableName" : "placement",
"variableType" : "SpotPlacement",
"documentation" : "",
"simpleType" : "SpotPlacement",
"variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement information for the instance.</p>
@param placement The placement information for the instance.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SpotPlacement",
"variableName" : "placement",
"variableType" : "SpotPlacement",
"documentation" : "<p>The placement information for the instance.</p>",
"simpleType" : "SpotPlacement",
"variableSetterType" : "SpotPlacement"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.</p>",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "RamdiskId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ramdiskId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "ramdiskId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "ramdiskId",
   "variableType" : "String",
   "documentation" : "<p>The ID of the RAM disk.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"SecurityGroups" : {
  "c2jName" : "SecurityGroups",
  "c2jShape" : "GroupNameStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more security group names.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more security group names.</p>
@returns{string} Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withSecurityGroups",
  "getterDocumentation" : "/**<p>One or more security group names.</p>
@returns{string} One or more security group names."/",
  "getterMethodName" : "getSecurityGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "securityGroup",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : ",",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@returns{string} Returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@returns{string} One or more security group names."/",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      }
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}.
"memberLocationName" : "GroupName",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>One or more security group names.</p>
@param securityGroups One or more security group names.*\*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group names.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<@link #setSecurityGroups(java.util.Collection)>] or [{@link #withSecurityGroups(java.util.Collection)}] if you want to override the existing values.</p>

@param securityGroups One or more security group names.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group names.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
  "enumType" : null,
}
"fluentSetterDocumentation" : "/**\n @param subnetId The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**\n @param subnetId The ID of the subnet in which to launch the instance.\n@return The ID of the subnet in which to launch the instance. */",
"getterMethodName" : "getSubnetId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SubnetId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "subnetId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n @param subnetId The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setSubnetId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "subnetId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n @param subnetId The ID of the subnet in which to launch the instance.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserData" : {
 "c2jName" : "UserData",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/*<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withUserData",
 "getterDocumentation" : "/*<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@return The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/",
 "getterMethodName" : "getUserData",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "UserData",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "userData",
 "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>*/",  
"setterMethodName" : "setUserData",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"variable" : {  
"variableDeclarationType" : "String",
"variableName" : "userData",
"variableType" : "String",
"documentation" : "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}  
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "LaunchSpecification",
"unmarshaller" : {  
"flattened" : false,
"resultWrapper" : null
"variable" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : null,
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"wrapper" : false
},
"ListingState" : {
    "c2jName" : "ListingState",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "Available",
        "value" : "available"
    }, {
        "name" : "Sold",
        "value" : "sold"
    }, {
        "name" : "Cancelled",
        "value" : "cancelled"
    }, {
        "name" : "Pending",
        "value" : "pending"
    } ],
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ListingState",
    "unmarshaller" : {
        "flattened" : false,
"resultWrapper" : null,
"variable" : {
"variableDeclarationType" : "ListingState",
"variableName" : "listingState",
"variableType" : "ListingState",
"documentation" : null,
"simpleType" : "ListingState",
"variableSetterType" : "ListingState"
},
"wrapper" : false
},
"ListingStatus" : {
"c2jName" : "ListingStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Active",
"value" : "active"
}, {
"name" : "Pending",
"value" : "pending"
}, {
"name" : "Cancelled",
"value" : "cancelled"
}, {
"name" : "Closed",
"value" : "closed"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListingStatus",
"unmarshaller" : {
"resultWrapper" : null,
"variable" : {
"variableDeclarationType" : "ListingState",
"variableName" : "listingState",
"variableType" : "ListingState",
"documentation" : null,
"simpleType" : "ListingState",
"variableSetterType" : "ListingState"
},
"wrapper" : false
},
"ListingStatus" : {
"c2jName" : "ListingStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Active",
"value" : "active"
}, {
"name" : "Pending",
"value" : "pending"
}, {
"name" : "Cancelled",
"value" : "cancelled"
}, {
"name" : "Closed",
"value" : "closed"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListingStatus",
"unmarshaller" : {
"resultWrapper" : null,
"variable" : {
"variableDeclarationType" : "ListingState",
"variableName" : "listingState",
"variableType" : "ListingState",
"documentation" : null,
"simpleType" : "ListingState",
"variableSetterType" : "ListingState"
},
"wrapper" : false
},
"ListingStatus" : {
"c2jName" : "ListingStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Active",
"value" : "active"
}, {
"name" : "Pending",
"value" : "pending"
}, {
"name" : "Cancelled",
"value" : "cancelled"
}, {
"name" : "Closed",
"value" : "closed"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListingStatus",
"unmarshaller" : {
"resultWrapper" : null,
"variable" : {
"variableDeclarationType" : "ListingState",
"variableName" : "listingState",
"variableType" : "ListingState",
"documentation" : null,
"simpleType" : "ListingState",
"variableSetterType" : "ListingState"
},
"wrapper" : false
},
"ListingStatus" : {
"c2jName" : "ListingStatus",}
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListingStatus",
  "variableName" : "listingStatus",
  "variableType" : "ListingStatus",
  "documentation" : null,
  "simpleType" : "ListingStatus",
  "variableSetterType" : "ListingStatus"
},
"wrapper" : false
},
"ModifyHostsRequest" : {  
  "c2jName" : "ModifyHostsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyHosts.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyHosts",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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  "members" : [  
    "c2jName" : "HostIds",
    "c2jShape" : "RequestHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>*/
    "fluentSetterMethodName" : "withHostIds",
    "getterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>*/
    "return" : Returns a reference to this object so that method calls can be chained together."*/
  },
  "getters" : 
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  ],
  "isAsyncEnabled" : false,
  "isSticky" : false,
  "isVirtual" : true,
  "marshaller" : 
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  "m2cUse" : 
  "metadata" : 
  "name" : "ModifyHostsRequest",
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  "polarity" : false,
  "sessionless" : false,
  "supportedFeatures" : [  
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    "customization" : {  
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      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for ModifyHosts.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {  
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      "locationName" : null,
      "requestUri" : "/",
      "target" : null,
      "verb" : "POST",
      "xmlNameSpaceUri" : null
    },
    "members" : [  
      "c2jName" : "HostIds",
      "c2jShape" : "RequestHostIdList",
      "deprecated" : false,
      "documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>*/
      "fluentSetterMethodName" : "withHostIds",
      "getterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>*/
      "return" : Returns a reference to this object so that method calls can be chained together."*/
    },
    "getters" : 
    "hasProperties" : [  
    ],
    "isAsyncEnabled" : false,
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    "isVirtual" : true,
    "marshaller" : 
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    "m2cShapes" : 
    "methodList" : 
    "m2cType" : 
    "m2cUse" : 
    "metadata" : 
    "name" : "ModifyHostsRequest",
    "payload" : null,
    "polarity" : false,
    "sessionless" : false,
    "supportedFeatures" : []
  ]
}
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"documentation" : null  
},  
"http" : {  
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"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "HostId",  
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"statusCode" : false,  
"unmarshallLocationName" : "hostId",  
"uri" : false  
},  
"idempotencyToken" : false,  
"list" : true,  
"listModel" : {  
"implType" : "com.amazonaws.internal.SdkInternalList",  
"interfaceType" : "java.util.List",  
"listMemberModel" : {  
"c2jName" : "member",  
"c2jShape" : "String",  
"deprecated" : false,  
"documentation" : "",  
"enumType" : null,  
"fluentSetterDocumentation" : "\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n",  
"fluentSetterMethodName" : "withMember",  
"getterDocumentation" : "\n@return *
",  
"getterMethodName" : "getMember",  
"getterModel" : {  
"returnType" : "String",  
"documentation" : null  
},  
"http" : {  
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"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
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"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "hostId",  
"uri" : false  
},
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false }

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,
"varargSetterDocumentation" : "/*@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}

"xmlNameSpaceUri" : null

"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"setterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>
@param hostIds The host IDs of the Dedicated Hosts you want to modify.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
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  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.</p>
 NOTE: This method appends the values to the existing list (if any). Use [@link #setHostIds(java.util.Collection)] or [@link #withHostIds(java.util.Collection)] if you want to override the existing values.<p>
 @param hostIds The host IDs of the Dedicated Hosts you want to modify.
 @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "The host IDs of the Dedicated Hosts you want to modify.<p>
  NOTE: This method appends the values to the existing list (if any). Use [AutoPlacement] or [AutoPlacement] if you want to override the existing values.<p>
  @param hostIds The host IDs of the Dedicated Hosts you want to modify.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlnsNameSpaceUri" : null
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"c2jName" : "AutoPlacement",
"c2jShape" : "AutoPlacement",
"deprecated" : false,
"documentation" : "Specify whether to enable or disable auto-placement.<p>
  @see AutoPlacement*/",
"enumType" : "AutoPlacement",
"fluentSetterDocumentation" : "Specify whether to enable or disable auto-placement.<p>
  @see AutoPlacement*/",
"getterDocumentation" : "Specify whether to enable or disable auto-placement.<p>
  @see AutoPlacement*/",
"getterMethodName" : "getAutoPlacement",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoPlacement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "autoPlacement",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoPlacement",
"setterDocumentation" : "/**<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.\n@see AutoPlacement*/",
"setterMethodName" : "setAutoPlacement",
"setterModel" : {
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  "variableName" : "autoPlacement",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AutoPlacement*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>Specify whether to enable or disable auto-placement.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
}],
"membersAsMap" : {
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  "c2jName" : "AutoPlacement",
}
"c2jShape": "AutoPlacement",
"deprecated": false,
"documentation": "<p>Specify whether to enable or disable auto-placement.</p>",
"enumType": "AutoPlacement",
"fluentSetterDocumentation": "/**\n<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@return Returns a reference to this object so that method calls can be chained together.\n@see AutoPlacement*/",
"fluentSetterMethodName": "withAutoPlacement",
"getterDocumentation": "/**\n<p>Specify whether to enable or disable auto-placement.</p>
@return Specify whether to enable or disable auto-placement.
@see AutoPlacement*/",
"getterMethodName": "getAutoPlacement",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "AutoPlacement",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "autoPlacement",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AutoPlacement",
"setterDocumentation": "/**\n<p>Specify whether to enable or disable auto-placement.</p>
@param autoPlacement Specify whether to enable or disable auto-placement.
@return Returns a reference to this object so that method calls can be chained together.\n@see AutoPlacement*/",
"setterMethodName": "setAutoPlacement",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "autoPlacement",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation" : "/**<p>Specify whether to enable or disable auto-placement.<br/>
@\n@return Returns a reference to this object so that method calls can be chained together.<br/>
@see AutoPlacement*/
/**
@\n@return Returns a reference to this object so that method calls can be chained together.
@see AutoPlacement*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "autoPlacement",
    "variableType" : "String",
    "documentation" : "<p>Specify whether to enable or disable auto-placement.<br/>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"HostIds" : {
    "c2jName" : "HostIds",
    "c2jShape" : "RequestHostIdList",
    "deprecated" : false,
    "documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.<br/>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     <p>The host IDs of the Dedicated Hosts you want to modify.<br/>
     @\n     @return Returns a reference to this object so that method calls can be chained together.<br/>
     @see HostIds"",
    "fluentSetterMethodName" : "withHostIds",
    "getterDocumentation" : "/**<p>The host IDs of the Dedicated Hosts you want to modify.<br/>
    @\n    @return The host IDs of the Dedicated Hosts you want to modify.<br/>
    @see HostIds"
    "getterMethodName" : "getHostIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "hostId",
        "uri" : false
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    "listModel" : {
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getMethod" : "getMember",
  "getModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "ListModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   * @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
},
"Open Source Used In Virtualized Voice Browser 12.6(1) 24194"
"simple": true,
"varargSetterDocumentation": "/**
@param member  
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "HostIds",
"setterDocumentation": "/**
<p>The host IDs of the Dedicated Hosts you want to modify.\n@n@param hostIds The host IDs of the Dedicated Hosts you want to modify.*/
\n@param hostIds The host IDs of the Dedicated Hosts you want to modify.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setHostIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "hostIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The host IDs of the Dedicated Hosts you want to modify.\n<note>This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {\link #withHostIds(java.util.Collection)} if you want to override the existing values.</note>\n@n@param hostIds The host IDs of the Dedicated Hosts you want to modify.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "hostIds",
"xmlNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
"variableType" : "java.util.List<String>",
"documentation" : "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "HostIds", "AutoPlacement" ],
"shapeName" : "ModifyHostsRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifyHostsRequest",
"variableName" : "modifyHostsRequest",
"variableType" : "ModifyHostsRequest",
"documentation" : null,
"simpleType" : "ModifyHostsRequest",
"variableSetterType" : "ModifyHostsRequest"
},
"wrapper" : false
},
"ModifyHostsResult" : {
"c2jName" : "ModifyHostsResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of ModifyHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "Successful",
"c2jShape" : "ResponseHostIdList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts that were successfully modified.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
@param successful The IDs of the Dedicated Hosts that were successfully modified.
@return"
Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withSuccessful",
"getterDocumentation" : "/**\n*p\nThe IDs of the Dedicated Hosts that were successfully modified.\n@returns The IDs of the Dedicated Hosts that were successfully modified.*/

"getterMethodName" : "getSuccessful",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Successful",
"queryString" : false,
"marshallLocationName" : "successful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
\param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\param member \n\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>">
},
"map" : false,
"mapModel" : null,
"name" : "Successful",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>\n@param successful The IDs of the Dedicated Hosts that were successfully modified.*/",
"setterMethodName" : "setSuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "successful",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>\n\b\bNOTE:\b This method appends the values to the existing list (if any). Use \{@link #setSuccessful(java.util.Collection)} or \{@link #withSuccessful(java.util.Collection)} if you want to override the existing values.\n@param unsuccessful The IDs of the Dedicated Hosts that were successfully modified.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "successful",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>\n@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
"getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>\n@return The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/",}
"getterMethodName" : "getUnsuccessful",
"getterModel" : {
    "returnType" : "java.util.List<UnsuccessfulItem>",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Unsuccessful",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "unsuccessful",
    "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "UnsuccessfulItem",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
         * @param member
         * @return Returns a reference to this object so that
         * method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/** \n         * @return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
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            "documentation" : null
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
            "header" : false,
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            "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"listModel" : null,
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"setterMethodName" : "setMember",
"setterModel" : {
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   "variableName" : "member",
   "variableType" : "UnsuccessfulItem",
   "documentation" : "",
   "simpleType" : "UnsuccessfulItem",
   "variableSetterType" : "UnsuccessfulItem"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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   "variableName" : "member",
   "variableType" : "UnsuccessfulItem",
   "documentation" : "",
   "simpleType" : "UnsuccessfulItem",
   "variableSetterType" : "UnsuccessfulItem"
}
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"
"map" : false,
"mapModel" : null,
"name" : "Unsuccessful",
"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used."*/",
"setterMethodName" : "setUnsuccessful",
"setterModel" : {
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  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setUnsuccessful(java.util.Collection)] or [@link #withUnsuccessful(java.util.Collection)] if you want to override the existing values.</p>@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>@return Returns a reference to this object so that method calls can be chained together."*/",
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  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
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  "c2jName" : "Successful",
  "c2jShape" : "ResponseHostIdList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts that were successfully modified.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>@param successful The IDs of the Dedicated Hosts that were successfully modified.</p>@return Returns a reference to this object so that method calls can be chained together."*/",
  "fluentSetterMethodName" : "withSuccessful",
  "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>@return The IDs of the Dedicated Hosts that were successfully modified."*/",
  "getterMethodName" : "getSuccessful",
  "getterModel" : {
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"documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "unmarshallLocationName" : "successful",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : 
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       @param member 
       @return Returns a reference to this object so that
       method calls can be chained together. */",
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    "getterDocumentation" : "/**@return */",
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      "documentation" : null
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      "header" : false,
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
  },
"name": "Successful",
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
@param successful The IDs of the Dedicated Hosts that were successfully modified.*/",
"setterMethodName": "setSuccessful",
"setterModel": {
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    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
    "simple": false,
    "varargSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts that were successfully modified.</p>
 param successful The IDs of the Dedicated Hosts that were successfully modified.
 NOTE: This method appends the values to the existing list (if any). Use {@link #setSuccessful(java.util.Collection)} or {@link #withSuccessful(java.util.Collection)} if you want to override the existing values. */
@param successful The IDs of the Dedicated Hosts that were successfully modified.
@return Returns a reference to this object so that method calls can be chained together. */",
    "variable": {
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        "variableName": "successful",
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        "documentation": "The IDs of the Dedicated Hosts that were successfully modified.
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        "variableSetterType": "java.util.Collection<String>",
        "xmlNameSpaceUri": null
    },
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        "c2jName": "Unsuccessful",
        "c2jShape": "UnsuccessfulItemList",
        "deprecated": false,
        "documentation": "The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used. */",
        "enumType": null,
        "fluentSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
 param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.
@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName": "withUnsuccessful",
        "getterDocumentation": "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used. */
@return The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used. */",
        "getterMethodName": "getUnsuccessful",
        "getterModel": {
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            "documentation": null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "unsuccessful",
  "uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "UnsuccessfulItem",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* @param member 
* @return Returns a reference to this object so that 
method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    }
  }
}
"uri": false,
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  "variableType": "UnsuccessfulItem",
  "documentation": "",
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  "variableSetterType": "UnsuccessfulItem"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "UnsuccessfulItem",
  "documentation": "",
  "simpleType": "UnsuccessfulItem",
  "variableSetterType": "UnsuccessfulItem"
},
"xmlNameSpaceUri": null,
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"memberType": "UnsuccessfulItem",
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"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "UnsuccessfulItem",
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"templateType": "java.util.List<UnsuccessfulItem>"},
"map": false,
"mapModel": null,
"name": "Unsuccessful",
"setterDocumentation": "/**\nThe IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.*/\n\n@param unsuccessful The IDs of the Dedicated Hosts that could not be successful\n*/"}
modified. Check whether the setting you requested can be used.*/

setterMethodName" : "setUnsuccessful",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "",
  "simpleType" : "List<UnsuccessfulItem>",
  "variableSetterType" : "java.util.Collection<UnsuccessfulItem>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p<algorithm><h2>NOTE:</h2> This method appends the values to the existing list (if any). Use [link setUnsuccessful(java.util.Collection)] or [link withUnsuccessful(java.util.Collection)] if you want to override the existing values.</algorithm></i>\n\n@param unsuccessful The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</i>\n\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
  "variableName" : "unsuccessful",
  "variableType" : "java.util.List<UnsuccessfulItem>",
  "documentation" : "<p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>
  
  <param успешный
  
  <return> Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
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  "variableName" : "modifyHostsResult",
  "variableType" : "ModifyHostsResult",
  "documentation" : null,
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  "variableSetterType" : "ModifyHostsResult"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyHostsResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
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  "variableName" : "modifyHostsResult",
  "variableType" : "ModifyHostsResult",
  "documentation" : null,
  "simpleType" : "ModifyHostsResult",
  "variableSetterType" : "ModifyHostsResult"
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"wrapper" : false
}
"c2jName": "ModifyIdFormatRequest",
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters of ModifyIdFormat.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "ModifyIdFormat",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "Resource",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
    "enumType": null,
    "fluentSetterDocumentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName": "withResource",
    "getterDocumentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
",
    "getterMethodName": "getResource",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
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      "flattened": false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Resource",
"uri" : false
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/idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**\n<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapsho
</code> <p>

*/",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapsho
</code> <p>

*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "\n<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapsho
</code> <p>

",  
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "UseLongIds",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "\n<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>

"
"enumType": null,
"fluentSetterDocumentation": /**<p>Indicate whether the resource should use longer IDs (17-character IDs).
@returns Indicate whether the resource should use longer IDs (17-character IDs).
@returns Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName": "withUseLongIds",
"getterDocumentation": /**<p>Indicate whether the resource should use longer IDs (17-character IDs).
@returns Indicate whether the resource should use longer IDs (17-character IDs).
@returns Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName": "getUseLongIds",
"getterModel": {
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  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UseLongIds",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UseLongIds",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UseLongIds",
"setterDocumentation": /**<p>Indicate whether the resource should use longer IDs (17-character IDs).
@returns Indicate whether the resource should use longer IDs (17-character IDs).
@returns Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName": "setUseLongIds",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "useLongIds",
  "variableType": "Boolean",
  "documentation": "",
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  "variableSetterType": "Boolean"
},
  "simple": true,
  "varargSetterDocumentation": /**<p>Indicate whether the resource should use longer IDs (17-character IDs).
@returns Indicate whether the resource should use longer IDs (17-character IDs).
@returns Returns a reference to this object so that method calls can be chained together.*/

"varargMethodName": "varargUseLongIds",
"varargModel": {
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  "documentation": "",
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  "variableSetterType": "Boolean"
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  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "enumType" : null,
    "getterMethodName" : "getResource",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Resource",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Resource",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Resource",
"setterDocumentation": "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
"setterMethodName": "setResource",
"setterModel": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "resource",
  "variableType": "String",
  "documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UseLongIds": {
  "c2jName": "UseLongIds",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>"
},
"fluentSetterDocumentation": "/**<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>
@param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUseLongIds",
"getterDocumentation": "/**<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>
@return Indicate whether the resource should use longer IDs (17-character IDs).*/",
"getterMethodName": "getUseLongIds",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
}
**setterDocumentation**

```
/**
 * Indicate whether the resource should use longer IDs (17-character IDs).
 * @param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**setterMethodName**

```
useLongIds
```

**setterModel**

```
{
    variableDeclarationType: 'Boolean',
    variableName: 'useLongIds',
    variableType: 'Boolean',
    documentation: '',
    simpleType: 'Boolean',
    variableSetterType: 'Boolean'
}
```

**simple**

```
true
```

**varargSetterDocumentation**

```
/**
 * Indicate whether the resource should use longer IDs (17-character IDs).
 * @param useLongIds Indicate whether the resource should use longer IDs (17-character IDs).
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**variable**

```
{
    variableDeclarationType: 'Boolean',
    variableName: 'useLongIds',
    variableType: 'Boolean',
    documentation: '',
    simpleType: 'Boolean',
    variableSetterType: 'Boolean'
}
```

**xmlNameSpaceUri**

```
null
```
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Resource", "UseLongIds" ],
"shapeName" : "ModifyIdFormatRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifyIdFormatRequest",
"variableName" : "modifyIdFormatRequest",
"variableType" : "ModifyIdFormatRequest",
"documentation" : null,
"simpleType" : "ModifyIdFormatRequest",
"variableSetterType" : "ModifyIdFormatRequest"
},
"wrapper" : false
},
"ModifyIdFormatResult" : {
"c2jName" : "ModifyIdFormatResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyIdFormatResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ModifyIdFormatResult",
"variableName" : "modifyIdFormatRequest",
"variableType" : "ModifyIdFormatResult",
"documentation" : null,
"simpleType" : "ModifyIdFormatResult",
"variableSetterType" : "ModifyIdFormatResult"}
"variableSetterType" : "ModifyIdFormatResult",
"wrapper" : false,
"ModifyIdentityIdFormatRequest" : {
  "c2jName" : "ModifyIdentityIdFormatRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters of ModifyIdentityIdFormat.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyIdentityIdFormat",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "c2jName" : "Resource",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The type of resource: instance | reservation | snapshot | volume",
    "enumType" : null,
    "fluentSetterDocumentation" : "The type of resource: instance | reservation | snapshot | volume",
    "getterDocumentation" : "The type of resource: instance | reservation | snapshot | volume",
    "getterMethodName" : "getResource",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  ]
}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Resource",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resource",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**\n \p The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 \p @param resource The type of resource:
 <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>*/",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n \p The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 \p @param resource The type of resource:
 <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
 \p @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "\n <p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"c2jName": "UseLongIds",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withUseLongIds",
"getterDocumentation": "/** <p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@return Indicates whether the resource should use longer IDs (17-character IDs)*/",
"getterMethodName": "getUseLongIds",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UseLongIds",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "useLongIds",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UseLongIds",
"setterDocumentation": "/** <p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@param useLongIds Indicates whether the resource should use longer IDs (17-character IDs)
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setUseLongIds",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "useLongIds",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"}
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
@returns{null} Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "boolean",
  "variableName" : "useLongIds",
  "variableType" : "boolean",
  "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>
  
  "simpleType" : "boolean",
  "variableSetterType" : "boolean"
}

"xmlnsSpaceUri" : null
},
"c2jName" : "PrincipalArn",
"c2jShape" : "string",
"deprecated" : false,
"documentation" : "<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>

  "returns{null} Returns a reference to this object so that method calls can be chained together.*/

  "fluentSetterMethodName" : "withPrincipalArn",
  "getterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>

  "returns{null} Returns a reference to this object so that method calls can be chained together.*/

  "getterMethodName" : "getPrincipalArn",
  "getterModel" : {
    "returnType" : "string",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrincipalArn",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "principalArn",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrincipalArn",
"setterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.*/",
"setterMethodName" : "setPrincipalArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"PrincipalArn" : {
  "c2jName" : "PrincipalArn",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ARN of the principal, which can be an IAM user, IAM role, or the root user."}
Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account."

```
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account.

```

```
"fluentSetterMethodName": "withPrincipalArn",
"getterDocumentation": "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>

```

```
"getterMethodName": "getPrincipalArn",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrincipalArn",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "principalArn",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrincipalArn",
"setterDocumentation": "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>*/
"@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify `<code>all</code>` to modify the ID format for all IAM users, IAM roles, and the root user of the account.

```

```

```
"setterMethodName": "setPrincipalArn",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "principalArn",
```
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>\n@param principalArn The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "principalArn",
  "variableType" : "String",
  "documentation" : "<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Resource" : {
  "c2jName" : "Resource",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Resource",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "resource",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Resource",
"setterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> |<code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource:  
<code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> */",
"setterMethodName" : "setResource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
@param resource The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>
@return Returns a reference to this object so that method calls can be chained together."/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resource",
  "variableType" : "String",
  "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>
<code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> /",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UseLongIds" : {
  "c2jName" : "UseLongIds",
  "c2jShape" : "Boolean",
  "deprecated" : false,
"documentation": "\<p\>Indicates whether the resource should use longer IDs (17-character IDs)\</p\>",
"enumType": null,
"fluentSetterDocumentation": "\<p\>Indicates whether the resource should use longer IDs (17-character IDs)\</p\>\n@\param\ useLongIds Indicates whether the resource should use longer IDs (17-character IDs)\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName": "withUseLongIds",
"getterDocumentation": "\<p\>Indicates whether the resource should use longer IDs (17-character IDs)\</p\>\n@return Indicates whether the resource should use longer IDs (17-character IDs)\*/",
"getterMethodName": "getUseLongIds",
"getterModel": {
 "returnType": "Boolean",
 "documentation": null
},
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "UseLongIds",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "useLongIds",
 "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UseLongIds",
"setterDocumentation": "\<p\>Indicates whether the resource should use longer IDs (17-character IDs)\</p\>\n@\param\ useLongIds Indicates whether the resource should use longer IDs (17-character IDs)\*/",
"setterMethodName": "setUseLongIds",
"setterModel": {
 "variableDeclarationType": "Boolean",
 "variableName": "useLongIds",
 "variableType": "Boolean",
 "documentation": "",
 "simpleType": "Boolean",
 "variableSetterType": "Boolean"
},
 "simple": true,
"varargSetterDocumentation": "\<p\>Indicates whether the resource should use longer IDs (17-character IDs)\</p\>\n@\param\ useLongIds Indicates whether the resource should use longer IDs (17-character IDs)\n@return
Returns a reference to this object so that method calls can be chained together.

```
"variable" : {

  "variableDeclarationType" : "Boolean",
  "variableName" : "useLongIds",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Resource", "UseLongIds", "PrincipalArn" ],
"shapeName" : "ModifyIdentityIdFormatRequest",
"unmarshaller" : null,

"variable" : {

  "variableDeclarationType" : "ModifyIdentityIdFormatRequest",
  "variableName" : "modifyIdentityIdFormatRequest",
  "variableType" : "ModifyIdentityIdFormatRequest",
  "documentation" : null,
  "simpleType" : "ModifyIdentityIdFormatRequest",
  "variableSetterType" : "ModifyIdentityIdFormatRequest"
},
"wrapper" : false

"ModifyIdentityIdFormatResult" : {

  "c2jName" : "ModifyIdentityIdFormatResult",
  "customization" : {

  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "wrapper" : false
}
"required" : null,
"shapeName" : "ModifyIdentityIdFormatResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyIdentityIdFormatResult",
  "variableName" : "modifyIdentityIdFormatResult",
  "variableType" : "ModifyIdentityIdFormatResult",
  "documentation" : null,
  "simpleType" : "ModifyIdentityIdFormatResult",
  "variableSetterType" : "ModifyIdentityIdFormatResult"
},
"wrapper" : false
},
"ModifyImageAttributeRequest" : {
  "c2jName" : "ModifyImageAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyImageAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyImageAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : {
    "c2jName" : "ImageId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>@param ImageId The ID of the AMI.</p>@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**<p>The ID of the AMI.</p>
\n@Return The ID of the AMI.*/",
"getterMethodName": "getImageId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ImageId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ImageId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ImageId",
"setterDocumentation": "/**<p>The ID of the AMI.</p>
\n@param imageId The ID of the AMI.*/",
"setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the AMI.</p>
\n@param imageId The ID of the AMI.*/
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "<p>The ID of the AMI.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The name of the attribute to modify.
 * @param attribute The name of the attribute to modify.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "attribute",
"variableType" : "String",
"documentation" : "<p>The name of the attribute to modify.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "OperationType",
"deprecated" : false,
"documentation" : "<p>The operation type.</p>",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**
 * The operation type.
 * @param operationType The operation type.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see OperationType*/",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**
 * The operation type.
 * @return The operation type.
 * @see OperationType*/",
"getterMethodName" : "getOperationType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "(OperationType",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**<p>The operation type.</p>
@\param operationType The operation type.\n@see OperationType*/",
"setterMethodName" : "setOperationType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The operation type.</p>
@\param operationType The operation type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OperationType*/",
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  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "<p>The operation type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "UserIds",
  "c2jShape" : "UserIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@\param userIds One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUserIds",
  "getterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@\return One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n*/",
  "getterMethodName" : "getUserIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
  },
  "xmlNameSpaceUri" : null
}
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
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  "statusCode": false,
  "unmarshallLocationName": "UserId",
  "uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": " /**<param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": " /**<@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "UserId",
    "queryString": false,
"setterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>\n@param userIds One or more AWS account IDs. This is only valid
when modifying the <code>launchPermission</code> attribute.*/",
"setterMethodName" : "setUserIds",
"setterModel" : {
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  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
<p><b>NOTE:</b> This method appends the values to the
existing list (if any). Use [@link setUserIds(java.util.Collection)] or [@link withUserIds(java.util.Collection)] if
you want to override the existing values.</p>\n@param userIds One or more AWS account IDs. This is only valid
when modifying the <code>launchPermission</code> attribute.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
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  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UserGroups",
"c2jShape" : "UserGroupStringList",
"deprecated" : false,
"documentation" : "One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UserGroups",
"c2jShape" : "UserGroupStringList",
"deprecated" : false,
"documentation" : "One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@return Returns a reference to this object so that
method calls can be chained together.*/"}
"unmarshallLocationName": "UserGroup",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserGroups",
"setterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the
"launchPermission" attribute.

@param userGroups One or more user groups. This is only valid when modifying the "launchPermission" attribute.

setterMethodName" : "setUserGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the "launchPermission" attribute.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setUserGroups(java.util.Collection)] or [@link #withUserGroups(java.util.Collection)] if you want to override the existing values.</p>

@param userGroups One or more user groups. This is only valid when modifying the "launchPermission" attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",

"getterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@return One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeStringList",
"deprecated" : false,
"documentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.*/",
"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductCodes",
"c2jShape" : "ProductCodeStringList",
"deprecated" : false,
"documentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.*/",
"fluentSetterMethodName" : "withProductCodes",
"getterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.</p>

@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.*/",
"getterMethodName" : "getProductCodes",
"getterModel" : {
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  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"}
"documentation": null,
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
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  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "ProductCode",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return *\n*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ProductCode",
    "queryString": false,
"statusCode": false,
"unmarshallLocationName": "ProductCode",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "ProductCode",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
,
"map": false,
"mapModel": null,
"name": "ProductCodes",
"setterDocumentation" : "<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.

@<p><b>Note:</b> This method appends the values to the existing list (if any). Use @link #setProductCodes(java.util.Collection) or @link #withProductCodes(java.util.Collection) if you want to override the existing values.

@<p>@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.

@<p><b>Note:</b> This method appends the values to the existing list (if any). Use @link #setProductCodes(java.util.Collection) or @link #withProductCodes(java.util.Collection) if you want to override the existing values.

@<p>@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Value",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.

@<p>@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.

@<p>@return The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.
"getterMethodName" : "getValue",
"getterModel" : {
null

http:
{
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Value",
"setterDocumentation": "/**<p>The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.</p>@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.*/",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.</p>@param value The value of the attribute being modified. This is only valid when modifying the <code>description</code> attribute.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchPermission",
"c2jShape" : "LaunchPermissionModifications",
"deprecated" : false,
"documentation" : "<p>A launch permission modification.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchPermission",
"getterDocumentation" : "/**<p>A launch permission modification.</p>
@return A launch permission modification.*/",
"getterMethodName" : "getLaunchPermission",
"getterModel" : {
  "returnType" : "LaunchPermissionModifications",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LaunchPermission",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LaunchPermission",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchPermission",
"setterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.
@return A launch permission modification.*/",
"setterMethodName" : "setLaunchPermission",
"setterModel" : {
  "variableDeclarationType" : "LaunchPermissionModifications",
  "variableName" : "launchPermission",
  "variableType" : "LaunchPermissionModifications"}
A launch permission modification.

@launchPermission A launch permission modification.

Returns a reference to this object so that method calls can be chained together.

A description for the AMI.

A description for the AMI.

Returns a reference to this object so that method calls can be chained together.

A description for the AMI.
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description for the AMI.</p>@param description A description for the AMI.*\*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": ":",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A description for the AMI.</p>@param description A description for the AMI
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "/p>A description for the AMI.<p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
}],
"membersAsMap": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "/p>The name of the attribute to modify.<p>
    "enumType": null,
    "fluentSetterDocumentation": "The name of the attribute to modify.<p>@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withAttribute",
    "getterDocumentation": "The name of the attribute to modify.<p>@return The name of the attribute to modify.*\*/",
    "getterMethodName": "getAttribute",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Attribute",
"uri": false
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"idempotencyToken": false,
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"map": false,
"mapModel": null,

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"setterDocumentation": "/**\n<p>The name of the attribute to modify.</p>\n@param attribute The name of the attribute to modify.\n*/",

"setterMethodName": "setAttribute",

"setterModel": {
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  "variableName": "attribute",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "/**\n<p>The name of the attribute to modify.</p>\n@param attribute The name of the attribute to modify.\n@return Returns a reference to this object so that method calls can be chained together.\n*/",

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  "variableType": "String",
  "documentation": "<p>The name of the attribute to modify.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},

"Description": {
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  "c2jShape": "String",

"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description for the AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"ImageId" : {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the AMI.</p>
   @param imageId The ID of the AMI.
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImageId",
  "getterDocumentation" : "/**<p>The ID of the AMI.</p>
   @return The ID of the AMI.*/",
  "getterMethodName" : "getImageId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ImageId",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageId",
  "setterDocumentation" : "/**<p>The ID of the AMI.</p>
   @param imageId The ID of the AMI.
   @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setImageId",
  "setterModel" : {"__type": "舜",
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  "default": null,
  "description": "The ID of the AMI.
  @return Returns a reference to this object so that method calls can be chained together.*/"}
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the
AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The ID of the AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"deprecated" : false,
"documentation" : "<p>A launch permission modification.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**A launch permission modification.</p>
@param launchPermission A launch permission modification.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchPermission",
"getterDocumentation" : "/**A launch permission modification.</p>
@return A launch permission modification.*/",
"getterMethodName" : "getLaunchPermission",
"getterModel" : {
"returnType" : "LaunchPermissionModifications",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LaunchPermission",
"uri" : false
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@param launchPermission A launch permission modification. */",
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  "variableName" : "launchPermission",
  "variableType" : "LaunchPermissionModifications",
  "documentation" : "",
  "simpleType" : "LaunchPermissionModifications",
  "variableSetterType" : "LaunchPermissionModifications"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.\n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName" : "launchPermission",
  "variableType" : "LaunchPermissionModifications",
  "documentation" : "<p>A launch permission modification.</p>",
  "simpleType" : "LaunchPermissionModifications",
  "variableSetterType" : "LaunchPermissionModifications"
},
"xmlNameSpaceUri" : null
},
"OperationType" : {
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  "c2jShape" : "OperationType",
  "deprecated" : false,
  "documentation" : "<p>The operation type.</p>",
  "enumType" : "OperationType",
  "fluentSetterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OperationType */",
  "fluentSetterMethodName" : "withOperationType",
  "getterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.\n@return The operation type.\n@see OperationType */",
  "getterMethodName" : "getOperationType",
  "name" : "LaunchPermission",
  "setterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification. */",
  "setterMethodName" : "setLaunchPermission",
  "setterModel" : {
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    "variableName" : "launchPermission",
    "variableType" : "LaunchPermissionModifications",
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    "simpleType" : "LaunchPermissionModifications",
    "variableSetterType" : "LaunchPermissionModifications"
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  "simple" : false,
  "varargSetterDocumentation" : "/**<p>A launch permission modification.</p>
@param launchPermission A launch permission modification.\n@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "LaunchPermissionModifications",
    "documentation" : "<p>A launch permission modification.</p>",
    "simpleType" : "LaunchPermissionModifications",
    "variableSetterType" : "LaunchPermissionModifications"
  },
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"documentation" : "<p>The operation type.</p>",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OperationType */",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**<p>The operation type.</p>
@param operationType The operation type.\n@return The operation type.\n@see OperationType */",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "greedy" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "OperationType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**\n * The operation type.
 * @param operationType The operation type.
 * @see OperationType*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The operation type.
 * @param operationType The operation type.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see OperationType*/",
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  "variableName" : "operationType",
  "variableType" : "String",
  "documentation" : "<p>The operation type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"ProductCodes" : {
  "c2jName" : "ProductCodes",
  "c2jShape" : "ProductCodeStringList",
  "deprecated" : false,
  "documentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/** One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withProductCodes",
  "getterDocumentation" : "/** One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.\n@returns One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the &lt;code&gt;productCodes&lt;/code&gt; attribute.*/",
  "getterMethodName" : "getProductCodes",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "String",
      "deprecated" : false,
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
"memberLocationName" : "ProductCode",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"map" : false,
"mapModel" : null,
"name" : "ProductCodes",
"setterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n</p>@param productCodes One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.*\*/",
"setterMethodName" : "setProductCodes",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
"map" : false,
"varargSetterDocumentation" : "/**<p>One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the <code>productCodes</code> attribute.\n</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setProductCodes(java.util.Collection) \} or \{ @link #withProductCodes(java.util.Collection) \} if you want to override the existing values.\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "productCodes",
"variableType" : "java.util.List<String>",
"documentation" : ""
removed. This is only valid when modifying the <code>productCodes</code> attribute.

```
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
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```
"UserGroups" : {
  "c2jName" : "UserGroups",
  "c2jShape" : "UserGroupStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@param userGroups One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUserGroups",
  "getterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@return One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.*/",
  "getterMethodName" : "getUserGroups",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserGroup",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "UserGroupStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@param userGroups One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withUserGroups",
      "getterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@return One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.*/",
      "getterMethodName" : "getUserGroups",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "UserGroup",
        "uri" : false
      },
      "idempotencyToken" : false,
      "list" : true,
      "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "c2jName" : "member",
          "c2jShape" : "UserGroupStringList",
          "deprecated" : false,
          "documentation" : "<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>",
          "enumType" : null,
          "fluentSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@param userGroups One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.\n@return Returns a reference to this object so that method calls can be chained together.*/",
          "fluentSetterMethodName" : "withUserGroups",
          "getterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.</p>\n@return One or more user groups. This is only valid when modifying the <code>launchPermission</code> attribute.*/",
          "getterMethodName" : "getUserGroups",
          "getterModel" : {
            "returnType" : "java.util.List<String>",
            "documentation" : null
          },
          "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "unmarshallLocationName" : "UserGroup",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserGroups",
"setterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
@param userGroups One or more user groups. This is only valid
when modifying the <code>launchPermission</code> attribute.*/",
"setterMethodName" : "setUserGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>
@param userGroups One or more user groups. This is only valid
when modifying the <code>launchPermission</code> attribute.*/
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more user groups. This is only valid when modifying the
<code>launchPermission</code> attribute.</p>"
**launchPermission** attribute.

```java
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"UserIds" : {
  "c2jName" : "UserIds",
  "c2jShape" : "UserIdStringList",
  "deprecated" : false,
  "documentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

```java
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

```java
@param userIds One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

```java
@return Returns a reference to this object so that method calls can be chained together.*"/
"fluentSetterMethodName" : "withUserIds",
"getterDocumentation" : "/**<p>One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

```java
@return One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.

```java
"getterMethodName" : "getUserIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UserId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
```
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "UserIds",
"setterDocumentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute. This is only valid when modifying the
<code>launchPermission</code> attribute.*/",
"setterMethodName" : "setUserIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute. This method appends the values to the
existing list (if any). Use (@link #'setUserIds(java.util.Collection)) or (@link #'withUserIds(java.util.Collection)) if
you want to override the existing values.*/
\n@param userIds One or more AWS account IDs. This is only valid when modifying the
<code>launchPermission</code> attribute.\n@return Returns a reference to this object so that
method calls can be chained together.*"/
},
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more AWS account IDs. This is only valid when modifying the
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```java
launchPermission" attribute.

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}

"Value" : {
"c2jName" : "Value",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The value of the attribute being modified. This is only valid when modifying the
description attribute."

"enumType" : null,
"fluentSetterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the
description attribute.\n\n@value The value of the attribute being modified. This is only valid when modifying the description attribute.\n\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "withValue",
"getterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the
description attribute.\n\n@return The value of the attribute being modified. This is only valid when modifying the description attribute."

"getterMethodName" : "getValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "The value of the attribute being modified. This is only valid when modifying
```
the `<code>description</code>` attribute.

```xml
@param value The value of the attribute being modified. This is only valid when modifying the `<code>description</code>` attribute.
```

```xml
setterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The value of the attribute being modified. This is only valid when modifying the `<code>description</code>` attribute."
```

```xml
@param value The value of the attribute being modified. This is only valid when modifying the `<code>description</code>` attribute.
```

```xml
@return Returns a reference to this object so that method calls can be chained together.
```

```xml
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "The value of the attribute being modified. This is only valid when modifying the `<code>description</code>` attribute."
},
"xmlNameSpaceUri" : null
```

```xml
requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ImageId" ],
"shapeName" : "ModifyImageAttributeRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "ModifyImageAttributeRequest",
    "variableName" : "modifyImageAttributeRequest",
    "variableType" : "ModifyImageAttributeRequest",
    "documentation" : null,
    "simpleType" : "ModifyImageAttributeRequest",
    "variableSetterType" : "ModifyImageAttributeRequest"
},
"wrapper" : false
```

```xml
"ModifyImageAttributeResult" : {
    "c2jName" : "ModifyImageAttributeResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
```
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,

"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyImageAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyImageAttributeResult",
  "variableName" : "modifyImageAttributeResult",
  "variableType" : "ModifyImageAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyImageAttributeResult",
  "variableSetterType" : "ModifyImageAttributeResult"
},
"wrapper" : false
},
"ModifyInstanceAttributeRequest" : {
  "c2jName" : "ModifyInstanceAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyInstanceAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"marshaller": {
  "action": "ModifyInstanceAttribute",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "c2jName": "InstanceId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "\<p\>The ID of the instance.\</p\> ",
    "enumType": null,
    "fluentSetterDocumentation": "\/**\<p\>The ID of the instance.\</p\>\n@\param\ \instanceId\ \The\ \ID\ \of\ \the\ \instance.\n@\return\ \Returns\ \a\ \reference\ \to\ \this\ \object\ \so\ \that\ \method\ \calls\ \can\ \be\ \chained\ \together.\*/\"",
    "fluentSetterMethodName": "withInstanceId",
    "getterDocumentation": "\/**\<p\>The ID of the instance.\</p\>\n@\return\ \The\ \ID\ \of\ \the\ \instance.\*/\",
    "getterMethodName": "getInstanceId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "InstanceId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "instanceId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "InstanceId",
    "setterDocumentation": "\/**\<p\>The ID of the instance.\</p\>\n@\param\ \instanceId\ \The\ \ID\ \of\ \the\ \instance.\*/\",
    "setterMethodName": "setInstanceId",
    "setterModel": {
      "variableDeclarationType": "String",
      "documentation": null
    }
  }
]
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "<p>The ID of the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Attribute",
"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The name of the attribute.</p>",
"enumType" : "InstanceAttributeName",
"fluentSetterDocumentation" : "/**<p>The name of the attribute.</p>
@param attribute The name of the attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The name of the attribute.</p>
@return The name of the attribute.
@see InstanceAttributeName*/",
"getterMethodName" : "getAttribute",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"variableName" : "attributeName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the attribute.</p>
@param attributeName The name of the attribute.
@return Returns a reference to this object so that method calls can be chained together.*/
@see InstanceAttributeName",null
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"variableName" : "attributeName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attribute",
"setterDocumentation": "/** <p>The name of the attribute. </p> <p>@param attribute The name of the attribute. </p> <p>@see InstanceAttributeName */",
"setterMethodName": "setAttribute",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "attribute",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>The name of the attribute. </p> <p>@param attribute The name of the attribute. </p> <p>@return Returns a reference to this object so that method calls can be chained together. </p> <p>@see InstanceAttributeName */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "attribute",
  "variableType": "String",
  "documentation": "<p>The name of the attribute.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "Value",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. </p> <p>@return Returns a reference to this object so that method calls can be chained together. </p> <p>@see InstanceAttributeName */",
"enumType": null,
"fluentSetterDocumentation": "/** <p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. </p> <p>@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withValue",
"getterDocumentation": "/** <p>A new value for the attribute. Use only with the <code>kernel</code>,<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. </p> <p>@return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName": "getAttribute",
..."
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. */
@return A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. */

```
getterMethodName" : "getValue",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**\n @param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. */

```
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n @param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute. */

```
Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.

@returns

Returns a reference to this object so that method calls can be chained together.

```java
variable : {
  variableDeclarationType : "String",
  variableName : "value",
  variableType : "String",
  documentation" : "<p>A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.</p",
  simpleType" : "String",
  variableSetterType" : "String"
},
xmlNameSpaceUri" : null
},
c2jName" : "BlockDeviceMappings",
c2jShape" : "InstanceBlockDeviceMappingSpecificationList",
deprecated" : false,
documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p>
To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a>.

@returns

Returns a reference to this object so that method calls can be chained together.

```
you launch the instance. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

@return Modifies the `<code>DeleteOnTermination</code>` attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for `<code>DeleteOnTermination</code>`, the default is `<code>true</code>` and the volume is deleted when the instance is terminated.

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a>` in the `<i>Amazon Elastic Compute Cloud User Guide</i>`.

```java
getterMethodName" : ".getBlockDeviceMappings",
"getterModel" : {
  "returnType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "BlockDeviceMapping",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "blockDeviceMapping",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceBlockDeviceMappingSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
```
"returnType" : "InstanceBlockDeviceMappingSpecification",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "InstanceBlockDeviceMappingSpecification",
 "variableName" : "member",
 "variableType" : "InstanceBlockDeviceMappingSpecification",
 "documentation" : "",
 "simpleType" : "InstanceBlockDeviceMappingSpecification",
 "variableSetterType" : "InstanceBlockDeviceMappingSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "InstanceBlockDeviceMappingSpecification",
 "variableName" : "member",
 "variableType" : "InstanceBlockDeviceMappingSpecification",
 "documentation" : "",
 "simpleType" : "InstanceBlockDeviceMappingSpecification",
 "variableSetterType" : "InstanceBlockDeviceMappingSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType" : "InstanceBlockDeviceMappingSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceBlockDeviceMappingSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
"templateType" : "java.util.List<InstanceBlockDeviceMappingSpecification>"},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**
<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the i>Amazon Elastic Compute Cloud User Guide</i>. */",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>"
},
  "simple" : false,
  "varargSetterDocumentation" : "/**
<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the i>Amazon Elastic Compute Cloud User Guide</i>. */",
  "setterMethodName" : "setBlockDeviceMappings",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
    "documentation" : "",
    "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
    "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>""}
This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or
{@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance.
For more information, see the Amazon Elastic Compute Cloud User Guide.

```java
public DeleteOnTermination withBlockDeviceMappings(InstanceBlockDeviceMappingSpecification... blockDeviceMappings)
```

### Documentation

**DeleteOnTermination**

Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.

```java
public DeleteOnTermination withSourceDestCheck(Boolean sourceDestCheck)
```

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```java
public DeleteOnTermination withSourceDestCheck(Boolean sourceDestCheck)
```
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/

"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SourceDestCheck",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SourceDestCheck",

"setterDocumentation" : "/*\p>Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\p>\n@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/

"setterMethodName" : "setSourceDestCheck",

"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},

"simple" : true,

"varargSetterDocumentation" : "/*\p>Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\p>\n@param sourceDestCheck Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and
<code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.*/"
false means checking is disabled. This value must be false for a NAT instance to perform NAT.
@returns Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "Specifies whether source/destination checking is enabled. A value of true means that checking is enabled, and false means checking is disabled. This value must be false for a NAT instance to perform NAT.

```

```
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
"xmlNameSpaceUri" : null
},
"c2jName" : "DisableApiTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "If the value is true, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
@returns Returns a reference to this object so that method calls can be chained together.

```

```
"enumType" : null,
"fluentSetterDocumentation" : "If the value is true, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
@returns Returns a reference to this object so that method calls can be chained together.

```

```
"getterDocumentation" : "If the value is true, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
@returns Returns a reference to this object so that method calls can be chained together.

```

```
"getterMethodName" : "getDisableApiTermination",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
}
,"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DisableApiTermination",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "disableApiTermination",
```
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**
 * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "disableApiTermination",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "disableApiTermination",
"variableType" : "Boolean",
"documentation" : "If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Changes the instance type to the specified value. For more information, see Instance Types.

If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.

@enumType" : null,
"fluentSetterDocumentation" : "Changes the instance type to the specified value. For more information, see Instance Types.

If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.

@enumType" : null,
the instance type is not valid, the error returned is `<code>InvalidInstanceAttributeValue</code>`.

```java
public void setInstanceType(String instanceType) {
    // Implementation
}
```

Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is `<code>InvalidInstanceAttributeValue</code>`.

```java
public String getInstanceType() {
    // Implementation
}
```

Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is `<code>InvalidInstanceAttributeValue</code>`.
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>
@param instanceType Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>.</p>",
  "simple" : true,
  "variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, { 
  "c2jName" : "Kernel",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@param kernel Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.*/",
  "fluentSetterMethodName" : "withKernel",
  "getterDocumentation" : "/**<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.*/",
  "getterMethodName" : "getKernel",
  "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Kernel",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernel",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Kernel",
"setterDocumentation" : "/**<p>Changes the instance's kernel to the specified value. We recommend that you
use PV-GRUB instead of kernels and RAM disks. For more information, see <a
GRUB</a>.<br/>\n@\n@param kernel Changes the instance's kernel to the specified value. We recommend that you use
PV-GRUB instead of kernels and RAM disks. For more information, see <a
GRUB</a>.*/",
"setterMethodName" : "setKernel",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "kernel",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Changes the instance's kernel to the specified value. We recommend that you
use PV-GRUB instead of kernels and RAM disks. For more information, see <a
GRUB</a>.<br/>\n@\n@param kernel Changes the instance's kernel to the specified value. We recommend that you use
PV-GRUB instead of kernels and RAM disks. For more information, see <a
GRUB</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "kernel",
"variableType" : "String",
"documentation" : "<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "Ramdisk",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@n@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</n>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withRamdisk",
"getterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@return Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</n>*/",
"getterMethodName" : "getRamdisk",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ramdisk",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdisk",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ramdisk",
"setterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdisk",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>
@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"enumType" : null,

"fluentSetterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"fluentSetterMethodName" : "withUserData",

"getterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"getterMethodName" : "getUserData",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserData",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "userData",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "UserData",

"setterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"setterMethodName" : "setUserData"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>
  @param userData Changes the instance’s user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
  @return Returns a reference to this object so that method calls can be chained together.*/"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
  @param instanceInitiatedShutdownBehavior Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
  @return Returns a reference to this object so that method calls can be chained together.*/"",
"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
"getterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
  @return Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/"",
"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"xmlNameSpaceUri" : null,
"http": {
"additionalMarshallingPath": "Value",
"additionalUnmarshallingPath": "Value",
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceInitiatedShutdownBehavior",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceInitiatedShutdownBehavior",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceInitiatedShutdownBehavior",
"setterDocumentation": "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p></p><p>@param instanceInitiatedShutdownBehavior Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/","setterMethodName": "setInstanceInitiatedShutdownBehavior",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "instanceInitiatedShutdownBehavior",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p><p></p><p>@param instanceInitiatedShutdownBehavior Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "instanceInitiatedShutdownBehavior",
"variableType": "String",
"documentation": "\n<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"simpleType": "String",
"variableSetterType": "String"
"c2jName" : "Groups",
"c2jShape" : "GroupIdStringList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@return [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.
*/",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "GroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
}}
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"setterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*\n*/

setterMethodName" : "setGroups",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "groups",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
\bNOTE:\b This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or [@link #withGroups(java.util.Collection)] if you want to override the existing values.</p>
\n\n@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.
\n@return Returns a reference to this object so that method calls can be chained together.*\n*/"}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized Instance.</p>\n@returns Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EbsOptimized",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>@param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>@param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "simpleType" : "Boolean"
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null,
},
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Set to &lt;code&gt;simple&lt;/code&gt; to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.&lt;/p&gt; &lt;p&gt;There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;Set to &lt;code&gt;simple&lt;/code&gt; to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.&lt;/p&gt; &lt;p&gt;There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.&lt;/p&gt;&lt;param sriovNetSupport Set to &lt;code&gt;simple&lt;/code&gt; to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.&lt;/p&gt; &lt;p&gt;There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.&lt;/p&gt;&lt;returns Returns a reference to this object so that method calls can be chained together.*/&lt;/param&gt;",
  "fluentSetterMethodName" : "withSriovNetSupport",
  "getterDocumentation" : "/**&lt;p&gt;Set to &lt;code&gt;simple&lt;/code&gt; to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.&lt;/p&gt; &lt;p&gt;There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.&lt;/p&gt;&lt;returns Returns a reference to this object so that method calls can be chained together.*/&lt;/returns&gt;",
  "getterMethodName" : "getSriovNetSupport",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SriovNetSupport",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sriovNetSupport",
    "uri" : false
  },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>*/",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"complexType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
Set to `<code>true</code>` to enable enhanced networking with ENA for the instance. This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```java
@Param enaSupport Set to `<code>true</code>` to enable enhanced networking with ENA for the instance. This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.
```

```java
@Return Returns a reference to this object so that method calls can be chained together.*"/
```

```java
public void setEnaSupport(Boolean enaSupport) {
    this.enaSupport = enaSupport;
}
```

```java
public Boolean getEnaSupport() {
    return enaSupport;
}
```

```java
public EnaSupport withEnaSupport(Boolean enaSupport) {
    this.enaSupport = enaSupport;
    return this;
}
```

```java
public Map<String, Object> getEnaSupport() {
    return new HashMap<String, Object>() {
        {
            put("enaSupport", enaSupport);
        }
    };
}
```

```java
public void setEnaSupport(Map<String, Object> enaSupport) {
    this.enaSupport = enaSupport;
}
```

```java
public Map<String, Object> getEnaSupport() {
    return new HashMap<String, Object>() {
        {
            put("enaSupport", enaSupport);
        }
    };
}
```
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enaSupport",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enaSupport",
    "variableType" : "Boolean",
    "documentation" : "Set to <code>true</code> to enable enhanced networking with ENA for the instance.\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
    "Attribute" : {
        "c2jName" : "Attribute",
        "c2jShape" : "InstanceAttributeName",
        "deprecated" : false,
        "documentation" : "The name of the attribute.\n@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
        "fluentSetterDocumentation" : "/**\n@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
        "fluentSetterMethodName" : "withAttribute",
        "getterDocumentation" : "/**\n@return The name of the attribute.\n@see InstanceAttributeName*/",
        "getterMethodName" : "getAttribute",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "parameterNameForMarshalling" : null,
            "parameterLocationInRequest" : null,
            "methodKey" : null,
            "serviceRequestName" : null,
            "serviceName" : null
        },
        "shapeName" : "InstanceAttributeName",
        "shapeType" : "attribute",
        "type" : "instance-attribute",
        "xmlNameSpaceUri" : null
    }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n<p>The name of the attribute.</p>
@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The name of the attribute.</p>
@param attribute The name of the attribute.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "\n<p>The name of the attribute.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "InstanceBlockDeviceMappingSpecificationList",
  "deprecated" : false,
  "documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are
currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p><p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.</p>

"enumType": null,
"fluentSetterDocumentation": "/**<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated. </p>
<p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.</p>

@param blockDeviceMappings
Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.

@return Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated. 

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

*/",
"fluentSetterMethodName": "withBlockDeviceMappings",
"getterDocumentation": "/**
<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated. 

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.

@return Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated. 

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the Amazon Elastic Compute Cloud User Guide.

*/",
"getterMethodName": "getBlockDeviceMappings",
"getterModel": {

"returnType": "java.util.List<InstanceBlockDeviceMappingSpecification>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceBlockDeviceMappingSpecification",
    "deprecated" : false,
    "documentation" : ",",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceBlockDeviceMappingSpecification",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceBlockDeviceMappingSpecification",
  "variableName": "member",
  "variableType": "InstanceBlockDeviceMappingSpecification",
  "documentation": "",
  "simpleType": "InstanceBlockDeviceMappingSpecification",
  "variableSetterType": "InstanceBlockDeviceMappingSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceBlockDeviceMappingSpecification",
  "variableName": "member",
  "variableType": "InstanceBlockDeviceMappingSpecification",
  "documentation": "",
  "simpleType": "InstanceBlockDeviceMappingSpecification",
  "variableSetterType": "InstanceBlockDeviceMappingSpecification"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "InstanceBlockDeviceMappingSpecification",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceBlockDeviceMappingSpecification",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
"templateType": "java.util.List<InstanceBlockDeviceMappingSpecification>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**\n<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p> <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when
you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>

The <code>DeleteOnTermination</code> attribute for volumes that are currently attached must be owned by the caller. If no value is specified, the default is <code>true</code> and the volume is deleted when the instance is terminated.<p> To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

**NOTE:** This method appends the values to the existing list (if any). Use <code>@<span>link</span> setBlockDeviceMappings(java.util.Collection)</code> or <code>@<span>link</span> withBlockDeviceMappings(java.util.Collection)</code> if you want to override the existing values.<p>

In addition to the volume information that you specify, the instance is backed by the existing volumes on the instance. The existing volumes are attached to the instance during launch. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>

*/

```java
setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
    "variableDeclarationType" :
    "com.amazonaws.internal.SdkInternalList<InstanceBlockDeviceMappingSpecification>",
    "variableName" : "blockDeviceMappings",
    "variableType" : "java.util.List<InstanceBlockDeviceMappingSpecification>",
    "documentation" : "",
    "simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
    "variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>",
    "simple" : false,
    "varargSetterDocumentation" : "*/
```
<code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.<p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```java
"simpleType" : "List<InstanceBlockDeviceMappingSpecification>",
"variableSetterType" : "java.util.Collection<InstanceBlockDeviceMappingSpecification>"
```

"DisableApiTermination" : {
  "c2jName" : "DisableApiTermination",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "If the value is <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
"enumType" : null,
  
  "fluentSetterDocumentation" : "If the value is <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
  
  "getterDocumentation" : "If the value is <code>true</code>, you can’t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

```
"getterMethodName" : "getDisableApiTermination",

```
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
}
```

```
"http" : {
  
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DisableApiTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "disableApiTermination",
  "uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"setterDocumentation" : "/**<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>\n\n@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>*/",
"setterMethodName" : "setDisableApiTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>\n\n@param disableApiTermination If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "disableApiTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>*/"
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

```java
/**
 * Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 *
 * @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public EbsOptimized withEbsOptimized(Boolean ebsOptimized) {
    setEbsOptimized(ebsOptimized);
    return this;
}

public Boolean getEbsOptimized() {
    return ebsOptimized;
}

public void setEbsOptimized(Boolean ebsOptimized) {
    this.ebsOptimized = ebsOptimized;
}
```

"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

/**<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

@<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

setterMethodName" : "setEbsOptimized",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EbsOptimized",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ebsOptimized",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

@<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>

setterMethodName" : "setEbsOptimized","
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "ebsOptimized",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n* Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n* @param ebsOptimized Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "Boolean",
    "variableName": "ebsOptimized",
    "variableType": "Boolean",
    "documentation": "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
  },
  "xmlNameSpaceUri": null
},
"EnaSupport": {
  "c2jName": "EnaSupport",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Set to <code>true</code> to enable enhanced networking with ENA for the instance.\n  <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.\n  </p>"",
  "enumType": null,
  "fluentSetterDocumentation": "Set to <code>true</code> to enable enhanced networking with ENA for the instance.\n  <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.\n  </p>"",
  "fluentSetterMethodName": "withEnaSupport",
  "getterDocumentation": "Set to <code>true</code> to enable enhanced networking with ENA for the instance.\n  <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.\n  </p>"",
  "getterMethodName": "withEnaSupport"
}
This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.*/

/**
Set to <code>true</code> to enable enhanced networking with ENA for the instance.

@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the instance.

@return Returns a reference to this object so that method calls
can be chained together.*"/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enaSupport",
    "variableType" : "Boolean",
    "documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Groups" : {
    "c2jName" : "Groups",
    "c2jShape" : "GroupIdStringList",
    "deprecated" : false,
    "documentation" : "<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
    <p>This method is intended to be chained after its successful return (i.e., use chainFrom(x) after the method call).
    @return A reference to thisuden after the method call.
    */",
    "enumType" : null,
    "fluentSetterDocumentation" : ""/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
    @param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.
    @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withGroups",
    "getterDocumentation" : ""/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
    @return [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*"/",
    "getterMethodName" : "getGroups",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "GroupId",
        "name" : "Groups",
        "operationName" : "Groups",
        "shapeName" : "GroupIdStringList",
        "target" : "GroupIdStringList",
        "wrapper" : null
    },
    "mutability" : "WHITELIST",
    "shapeName" : "GroupIdStringList",
    "target" : "GroupIdStringList",
    "wrapper" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "GroupId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "groupId",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
    }
}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
  "varargSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
  "memberLocationName" : "groupId",
  "memberType" : "String",
  "map" : false,
  "marshallNonAutoConstructedEmptyLists" : false,
  "memberAdditionalMarshallingPath" : null,
  "memberAdditionalUnmarshallingPath" : null,
  "sendEmptyQueryString" : false,
  "simple" : true,
  "simpleType" : "String",
  "templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
  "templateType" : "java.util.List<String>"
},
  "map" : false,
  "mapModel" : null,
  "name" : "Groups",
  "setterDocumentation" : "/**<p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
  * @param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it’s just the default security group for the VPC. You must specify the security group ID, not the security group name.*/",
  "setterMethodName" : "setGroups",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "groups",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "String"
  }
}
"variableSetterType": "java.util.Collection<String>",
"simple": false,
"varargSetterDocumentation": "*/p*[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.*/p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.*/p>\n@param groups [EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "groups",
"variableType": "java.util.List<String>",
"documentation": "</p>[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name.</p>
</p>
\n@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"InstanceId": {
"c2jName": "InstanceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceId",
"getterDocumentation": "</p>@return The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName": "getInstanceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceInitiatedShutdownBehavior" : {
  "c2jName" : "InstanceInitiatedShutdownBehavior",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",
  "getterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).\n@return Returns a reference to this object so that method calls can be chained together.*/";
from the instance (using the operating system command for system shutdown).*/

@return Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/

"getterMethodName" : "getInstanceInitiatedShutdownBehavior",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : "Value",
   "additionalUnmarshallingPath" : "value",
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/","setterMethodName" : "setInstanceInitiatedShutdownBehavior",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "instanceInitiatedShutdownBehavior",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>
@param instanceInitiatedShutdownBehavior Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).*/

\n@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceInitiatedShutdownBehavior",
    "variableType" : "String",
    "documentation" : "<p>Specifies whether an instance stops or terminates when you initiate shutdown from
the instance (using the operating system command for system shutdown).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
    "c2jName" : "InstanceType",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>.
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>.
@returns {InstanceType} Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>.
@returns {InstanceType} Returns a reference to this object so that method calls can be chained together."*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType"}
Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue. Returns a reference to this object so that method calls can be chained together.

Changes the instance type to the specified value. For more information, see Instance Types. If the instance type is not valid, the error returned is InvalidInstanceAttributeValue. Returns a reference to this object so that method calls can be chained together.
"c2jName" : "Kernel",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

```
@fluentSetterDocumentation
/**<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

@getterDocumentation
/**<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

@setterDocumentation
/**<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).

```
"enumType" : null,
"fluentSetterDocumentation" : "/**Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).*/",
"fluentSetterMethodName" : "withKernel",
"getterDocumentation" : "/**Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html).*/",
"getterMethodName" : "getKernel",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Kernel",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernel",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Kernel",
"setterDocumentation" : "/**Changes the instance's kernel to the specified value. We recommend that you

`@param kernel Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`setterMethodName" : "setKernel",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernel",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/ **\nChanges the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernel",
  "variableType" : "String",
  "documentation" : "Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`Ramdisk" : {
  "c2jName" : "Ramdisk",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`setterMethodName" : "setRamdisk",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/ **Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.

`@return Returns a reference to this object so that method calls can be chained together.*/

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GRUB</a>.

@return Returns a reference to this object so that method calls can be chained together.*/

"getterSetterMethodName" : "withRamdisk",
"getterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>"*/

@returns Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.*/

getterMethodName" : "getRamdisk",
getterModel" : {

"returnType" : "String",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ramdisk",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdisk",
"uri" : false
},

"idempotencyToken" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "Ramdisk",

"setterDocumentation" : "/**<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>"*/

@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.*/

setterMethodName" : "setRamdisk",
setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "ramdisk",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>."
@param ramdisk Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. 
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdisk",
  "variableType" : "String",
  "documentation" : "Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"SourceDestCheck" : {
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n  
  "enumType" : null,
  "fluentSetterDocumentation" : "Specifies whether source/destination checking is enabled. A value of <code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT.\n  
  "getterDocumentation" : "\n  
  "getterMethodName" : "getSourceDestCheck",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  }
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**
<param sourceDestCheck Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This
value must be <code>false</code> for a NAT instance to perform NAT.</param>
Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This
value must be <code>false</code> for a NAT instance to perform NAT.</param>
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "documentation" : ""}
value must be `<code>false</code>` for a NAT instance to perform NAT.

```xml
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SriovNetSupport" : {
"c2jName" : "SriovNetSupport",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Set to `<code>simple</code>` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

```xml
"enumType" : null,
"fluentSetterDocumentation" : "/*\*\*<p>Set to `<code>simple</code>` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n@returns {Object} Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSriovNetSupport",
"getterDocumentation" : "/*\*\*<p>Set to `<code>simple</code>` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>\n\@returns {string} Set to `<code>simple</code>` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance. There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.*/",
"getterMethodName" : "getSriovNetSupport",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : "Value",
 "additionalUnmarshallingPath" : "value",
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SriovNetSupport",
 "queryString" : false,
 "statusCode" : false,
 "xmlNameSpaceUri" : null
}
```
"unmarshallLocationName" : "sriovNetSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p> */",
"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p>
@return Returns a reference to this object so that method calls can be chained together.</p> */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.</p> <p>There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.</p> <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.</p> 

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

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"UserData" : {
  "c2jName" : "UserData",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."",
  "enumType" : null,
  "fluentSetterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."",
  "fluentSetterMethodName" : "withUserData",
  "getterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."",
  "getterMethodName" : "getUserData",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserData",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "userData",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "UserData",
  "setterDocumentation" : "Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file."
Otherwise, you must provide Base64-encoded text. Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public void setUserData(String userData) {
    // Set the user data
    // (variable name: userData)
    // Documentation: Changes the instance's user data to the specified value. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
    // Return: Returns a reference to this object so that method calls can be chained together.
}
```

A new value for the attribute. Use only with the `kernel`, `ramdisk`, `userData`, `disableApiTermination`, or `instanceInitiatedShutdownBehavior` attribute.

```java
public void withValue(String value) {
    // Set the value
    // (variable name: value)
    // Documentation: A new value for the attribute. Use only with the `kernel`, `ramdisk`, `userData`, `disableApiTermination`, or `instanceInitiatedShutdownBehavior` attribute.
    // Return: Returns a reference to this object so that method calls can be chained together.
}
```
@return A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.

```
"getterMethodName" : "getValue",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Value",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "value",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.

```
@override param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.

```
"setterMethodName" : "setValue",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "value",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.

```
@override param value A new value for the attribute. Use only with the <code>kernel</code>, <code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or <code>instanceInitiatedShutdownBehavior</code> attribute.
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "<p>A new value for the attribute. Use only with the <code>kernel</code>,
<code>ramdisk</code>, <code>userData</code>, <code>disableApiTermination</code>, or
<code>instanceInitiatedShutdownBehavior</code> attribute.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],
"shapeName" : "ModifyInstanceAttributeRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "ModifyInstanceAttributeRequest",
    "variableName" : "modifyInstanceAttributeRequest",
    "variableType" : "ModifyInstanceAttributeRequest",
    "documentation" : null,
    "simpleType" : "ModifyInstanceAttributeRequest",
    "variableSetterType" : "ModifyInstanceAttributeRequest"
},
"wrapper" : false
},
"ModifyInstanceAttributeResult" : {
    "c2jName" : "ModifyInstanceAttributeResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : null,
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyInstanceAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyInstanceAttributeResult",
  "variableName" : "modifyInstanceAttributeResult",
  "variableType" : "ModifyInstanceAttributeResult",
  "documentation" : null,
  "complexType" : "ModifyInstanceAttributeResult",
  "variableSetterType" : "ModifyInstanceAttributeResult"
},
"wrapper" : false
},
"ModifyInstancePlacementRequest" : {
  "c2jName" : "ModifyInstancePlacementRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingmarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyInstancePlacement.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance that you are modifying.</p>",
    "originalType" : "string",
    "simpleType" : false,
    "variableDeclarationType" : "ModifyInstancePlacementRequest",
    "variableName" : "instanceId",
    "variableType" : "String"
  }]
}
"enumType" : null,
"fluentSetterDocumentation" : /**\n * The ID of the instance that you are modifying.
 * @param instanceId
 * The ID of the instance that you are modifying.
 * @return Returns a reference to this object so that method calls can
 * be chained together. */
",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : /**\n * The ID of the instance that you are modifying.
 * @return The ID of the instance that you are modifying.
 */
",
"getterMethodName" : "getInstanceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : /**\n * The ID of the instance that you are modifying.
 * @param instanceId
 * The ID of the instance that you are modifying.
 * @return Returns a reference to this object so that method calls can
 * be chained together. */
",
"setterMethodName" : "setInstanceId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**\n * The ID of the instance that you are modifying.
 * @param instanceId
 * The ID of the instance that you are modifying.
 * @return Returns a reference to this object so that method calls can
 * be chained together. */
"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the instance that you are modifying.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "Tenancy",
"c2jShape" : "HostTenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance that you are modifying.</p>",
"enumType" : "HostTenancy",
"fluentSetterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.
@see HostTenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@return The tenancy of the instance that you are modifying.
@see HostTenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
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    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Tenancy",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tenancy",
    "uri" : false
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"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.
@see HostTenancy*/"
The tenancy of the instance that you are modifying.

```
@see HostTenancy*/
```

```
setterMethodName" : "setTenancy",
.setterModel" : {
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   "variableName" : "tenancy",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.
@see HostTenancy*/",
```

```
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   "variableType" : "String",
   "documentation" : "<p>The tenancy of the instance that you are modifying.</p>",
   "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Affinity",
"c2jShape" : "Affinity",
"deprecated" : false,
"documentation" : "<p>The new affinity setting for the instance.</p>",
"enumType" : "Affinity",
"fluentSetterDocumentation" : "/**<p>The new affinity setting for the instance.</p>
@param affinity The new affinity setting for the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Affinity*/",
"fluentSetterMethodName" : "withAffinity",
"getterDocumentation" : "/**<p>The new affinity setting for the instance.</p>
@return The new affinity setting for the instance.
@see Affinity*/",
"getterMethodName" : "getAffinity",
"getterModel" : {
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   "documentation" : null
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"http" : {
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "isVirtual" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "affinity",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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 @see Affinity*/",
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  "variableName" : "affinity",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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 @return Returns a reference to this object so that method calls can be chained together.\n @see Affinity*/",
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  "documentation" : "The new affinity setting for the instance.\n<br />\n<br />@see Affinity*/"",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "HostId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the Dedicated Host that the instance will have affinity with.\n<br />\n<br />@see HostId",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n @param hostId The ID of the Dedicated Host that the instance will have affinity with.\n<br />\n<br />@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostId",
"getterDocumentation" : "/**\n @return The ID of the Dedicated Host that the instance will have affinity with.\n<br />\n<br />@see HostId*/
"}
with.

```java

/**
 * The ID of the Dedicated Host that the instance will have affinity with.
 */

@Getter
@Setter
public String hostId;
```

```java

/**
 * The ID of the Dedicated Host that the instance will have affinity with.
 * @param hostId The ID of the Dedicated Host that the instance will have affinity with.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public String setHostId(String hostId);
```

```java

/**
 * The ID of the Dedicated Host that the instance will have affinity with.
 * @param hostId The ID of the Dedicated Host that the instance will have affinity with.
 */

public void setHostId(String hostId);
```
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}
]
"membersAsMap" : {
"Affinity" : {
"c2jName" : "Affinity",
"c2jShape" : "Affinity",
"deprecated" : false,
"documentation" : "The new affinity setting for the instance.\n@see Affinity*/",
"enumType" : "Affinity",
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"getterDocumentation" : "The new affinity setting for the instance.\n@see Affinity*/",
"getterMethodName" : "getAffinity",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"unmarshallLocationName" : "affinity",
"uri" : false
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"map" : false,
"mapModel" : null,
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"setterMethodName" : "setAffinity",
"setterModel" : {
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}
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The new affinity setting for the instance.</p>
@param affinity The new affinity setting for the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Affinity*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The new affinity setting for the instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"HostId" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Dedicated Host that the instance will have affinity with.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.</p>
@param hostId The ID of the Dedicated Host that the instance will have affinity with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostId",
"getterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity with.</p>
@return The ID of the Dedicated Host that the instance will have affinity with.*/",
"getterMethodName" : "getHostId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hostId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HostId",
"setterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity
with.</p>\n@param hostId The ID of the Dedicated Host that the instance will have affinity with.*/",
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"setterModel" : {
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  "variableName" : "hostId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Dedicated Host that the instance will have affinity
with.</p>\n@param hostId The ID of the Dedicated Host that the instance will have affinity with\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "hostId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Dedicated Host that the instance will have affinity with.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance that you are modifying.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance that you are modifying.</p>\n@param instanceId The ID of the instance that you are modifying.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
  "getterDocumentation" : "/**<p>The ID of the instance that you are modifying.</p>\n@return The ID of the instance that you are modifying.*/",
  "getterMethodName" : "getInstanceId",
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"returnType" : "String",
"documentation" : null
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"http" : {  
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of the instance that you are modifying.</p>
@param instanceId The ID of the instance that you are modifying.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the instance that you are modifying.</p>
@param instanceId The ID of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {  
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"variableName" : "instanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tenancy" : {
"c2jName" : "Tenancy",
"c2jShape" : "HostTenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance that you are modifying.</p>",
"enumType" : "HostTenancy",
"fluentSetterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@return Returns a reference to this object so that method calls can be chained together.
@see HostTenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@return The tenancy of the instance that you are modifying.
@see HostTenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance that you are modifying.</p>
@param tenancy The tenancy of the instance that you are modifying.
@see HostTenancy*/",
"setterMethodName" : "setTenancy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "tenancy",
"variableType" : "String",
"documentation" : ""
The tenancy of the instance that you are modifying.

@returns

Returns a reference to this object so that method calls can be chained together.

@see HostTenancy*/
}

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "The tenancy of the instance that you are modifying.",
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceId" ],

"shapeName" : "ModifyInstancePlacementRequest",

"unmarshaller" : null,

"variable" : {
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  "variableName" : "modifyInstancePlacementRequest",
  "variableType" : "ModifyInstancePlacementRequest",
  "documentation" : null,
  "simpleType" : "ModifyInstancePlacementRequest",
  "variableSetterType" : "ModifyInstancePlacementRequest"
}

"wrapper" : false


"ModifyInstancePlacementResult" : {
  "c2jName" : "ModifyInstancePlacementResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the output of ModifyInstancePlacement.";
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
"hasStreamingMember": false,
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"members": [
    {
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      "c2jShape": "Boolean",
      "deprecated": false,
      "documentation": 
      "Is <code>true</code> if the request succeeds, and an error otherwise.
      
      @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
      
      @return Returns a reference to this object so that method calls can be chained together.
    }
  ],

"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Return",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "return",
  "uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Return",

"setterDocumentation": 
"Is <code>true</code> if the request succeeds, and an error otherwise."

setterMethodName": "setReturn",
"setterModel": {
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  "variableName": "returnValue",
  "variableType": "Boolean",
  "documentation": ""
}
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableType": "Boolean",
"documentation": "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"membersAsMap": {
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"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReturn",
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@return Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"getterMethodName": "getReturn",
"getterModel": {
"returnType": "Boolean",
"documentation": null
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Return",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "return",
"variableDeclarationType": "Boolean",
"variableName": "returnValue",
"variableType": "Boolean",
"documentation": "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
@param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType": "Boolean"}
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idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Return",
"setterDocumentation": "/**<p>Is \texttt{true} if the request succeeds, and an error otherwise.</p>\texttt{Param}\ returnValue Is \texttt{true} if the request succeeds, and an error otherwise.*/",
"setterMethodName": "setReturn",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "returnValue",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Is \texttt{true} if the request succeeds, and an error otherwise.</p>\texttt{Param}\ returnValue Is \texttt{true} if the request succeeds, and an error otherwise.\texttt{Return} Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"variableName": "modifyInstancePlacementResult",
"variableType": "ModifyInstancePlacementResult",
"documentation": null,
"simpleType": "ModifyInstancePlacementResult",
"xmlNameSpaceUri": null
}
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ModifyInstancePlacementResult",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
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"variable": {
"variableDeclarationType": "ModifyInstancePlacementResult",
"variableName": "modifyInstancePlacementResult",
"variableType": "ModifyInstancePlacementResult",
"documentation": null,
"simpleType": "ModifyInstancePlacementResult",
"xmlNameSpaceUri": null
}
"variableSetterType" : "ModifyInstancePlacementResult",
},
"wrapper" : false
},
"ModifyNetworkInterfaceAttributeRequest" : {
"c2jName" : "ModifyNetworkInterfaceAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyNetworkInterfaceAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyNetworkInterfaceAttribute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.
*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"variableSetterType" : "ModifyInstancePlacementResult",
"complexType" : "EventSubscriptionConfiguration",
"documentation" : "<p>Details of the event subscription configuration.</p>",
"documentationAbout" : "eventSubscriptionConfiguration",
"wrapper" : false
},
"ModifyNetworkInterfaceAttributeRequest" : {
"c2jName" : "ModifyNetworkInterfaceAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyNetworkInterfaceAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyNetworkInterfaceAttribute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.
*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*\*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description for the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param description A description for the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**\n@param description A description for the network interface.\n@return A description for the network interface.*/",
"getterMethodName" : "getDescription",
"getterModel" : {  
  "returnType" : "String",
  "documentation" : null
},
"http" : {  
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "description",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n@param description A description for the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {  
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param description A description for the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>A description for the network interface.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide</p>\n@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide
\n@return Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the Amazon Virtual Private Cloud User Guide
\n*/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value"}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.<p/>
@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
@return Returns a reference to this object so that method
calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Groups",
"c2jShape" : "SecurityGroupIdStringList",
"deprecated" : false,
"documentation" : "<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>
@param groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name. 
@return Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>*/
", "getterMethodName" : "getGroups",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "SecurityGroupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "Groups",
"setterDocumentation": "/**Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.*/@param groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.*/",
"setterMethodName": "setGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  ..."
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.</p>

@param groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.
@return Returns a reference to this object so that method calls can be chained together.*"",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>

@param groups Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.
@return Returns a reference to this object so that method calls can be chained together.*"",

"xmlNameSpaceUri" : null
},
"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachmentChanges",
"deprecated" : false,
"documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>

@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*"",

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>

@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*"",

"getterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>

@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*"",

"getterModel" : {
  "returnType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : null
},

"fluentSetterMethodName" : "withAttachment",
"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Attachment",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "attachment",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attachment",
"setterDocumentation": "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p><p>@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName": "setAttachment",
"setterModel": {
  "variableDeclarationType": "NetworkInterfaceAttachmentChanges",
  "variableName": "attachment",
  "variableType": "NetworkInterfaceAttachmentChanges",
  "documentation": "",
  "simpleType": "NetworkInterfaceAttachmentChanges",
  "variableSetterType": "NetworkInterfaceAttachmentChanges"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p><p>@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "NetworkInterfaceAttachmentChanges",
  "variableName": "attachment",
  "variableType": "NetworkInterfaceAttachmentChanges",
  "documentation": "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>",
  "simpleType": "NetworkInterfaceAttachmentChanges",
  "variableSetterType": "NetworkInterfaceAttachmentChanges"
},
"xmlNameSpaceUri" : null
  ],
"membersAsMap" : {
  "Attachment" : {
"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachmentChanges",
"deprecated" : false,
"documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>\n@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachment",
"getterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>\n@return Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/",
"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attachment",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "attachment",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attachment",
"setterDocumentation" : "/**<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>\n@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.*/"}
interface attachment.*/",
    "setterMethodName" : "setAttachment",
    "setterModel" : {
        "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
        "variableName" : "attachment",
        "variableType" : "NetworkInterfaceAttachmentChanges",
        "documentation" : "",
        "simpleType" : "NetworkInterfaceAttachmentChanges",
        "variableSetterType" : "NetworkInterfaceAttachmentChanges"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/*<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>\n@param attachment Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
        "variableName" : "attachment",
        "variableType" : "NetworkInterfaceAttachmentChanges",
        "documentation" : "<p>Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.</p>",
        "simpleType" : "NetworkInterfaceAttachmentChanges",
        "variableSetterType" : "NetworkInterfaceAttachmentChanges"
    },
    "xmlNameSpaceUri" : null
},
"Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>A description for the network interface.</p>\n@param description A description for the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/*<p>A description for the network interface.</p>\n@return A description for the network interface.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : "Value",
        "additionalUnmarshallingPath" : "value",
        "flattened" : false,
        "greedy" : false,
        "requestLocation" : "queryParameter",
        "responseLocation" : null,
        "name" : "Description",
        "xmlNameSpaceUri" : null
    }
}
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Description",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "description",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": "/**<p>A description for the network interface.</p>
@param description A description for the network interface.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>A description for the network interface.</p>
@param description A description for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description for the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"Groups": {
  "c2jName": "Groups",
  "c2jShape": "SecurityGroupIdStringList",
  "deprecated": false,
  "documentation": "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.""}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of
groups you specify replaces the current set. You must specify at least one group, even if it's just the default security
group in the VPC. You must specify the ID of the security group, not the name.</p>\n@param groups Changes the
security groups for the network interface. The new set of groups you specify replaces the current set. You must
specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the
security group, not the name.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups
you specify replaces the current set. You must specify at least one group, even if it's just the default security group
in the VPC. You must specify the ID of the security group, not the name.</p>
@return Changes the security groups
for the network interface. The new set of groups you specify replaces the current set. You must specify at least one
group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the
name.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "SecurityGroupId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SecurityGroupId",
   "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
   "implType" : "com.amazonaws.internal.SdkInternalList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "depreciated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n      @param member \n      @return Returns a reference to this object so that method calls can be chained together.*/",
      "getterDocumentation" : "/**
      @return Returns a reference to this object so that method calls can be chained together.*/",
"listMemberType" : null,
"listType" : null
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getMethod Name" : "getMember",
"getterModel" : {
  "docum entation" : null,
  "returnType" : "String",
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"setterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : ""}];
specify replaces the current set. You must specify at least one group, even if it’s just the default security group in the VPC. You must specify the ID of the security group, not the name.</p>

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},

"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*\/"",
  "fluentSetterMethodName" : "withNetworkInterfaceId",
  "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n@return The ID of the network interface.*\/",
  "getterMethodName" : "getNetworkInterfaceId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkInterfaceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkInterfaceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NetworkInterfaceId",
  "setterDocumentation" : "/**<p>The ID of the network interface.</p>\n@param networkInterfaceId The ID of the network interface.*\/",
  "setterMethodName" : "setNetworkInterfaceId",
}
"setterModel": {
"variableDeclarationType": "String",
"variableName": "networkInterfaceId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p><p>@param networkInterfaceId The ID of the network interface.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "networkInterfaceId",
"variableType": "String",
"documentation": "<p>The ID of the network interface.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SourceDestCheck": {
"c2jName": "SourceDestCheck",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether source/destination checking is enabled. A value of
true means checking is enabled, and false means checking is disabled. This value
must be false for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.<p/>
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of
true means checking is enabled, and false means checking is disabled. This value
must be false for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.<p/>
"fluentSetterMethodName": "withSourceDestCheck",
"getterDocumentation": "/**<p>Indicates whether source/destination checking is enabled. A value of
true means checking is enabled, and false means checking is disabled. This value
must be false for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>

@return Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceDestCheck",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceDestCheck",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SourceDestCheck",

"setterDocumentation" : "/**
 * Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.
 */",

"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : ""
"variableSetterType" : "Boolean",
],
"simple" : true,
"varargSetterDocumentation" : "/*

Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.

@param sourceDestCheck Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.

@return Returns a reference to this object so that method
calls can be chained together.
*/",

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a
href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a>
in the <i>Amazon Virtual Private Cloud User Guide</i>.

"variable" : {
    "variableDeclarationType" : "ModifyNetworkInterfaceAttributeRequest",
    "variableName" : "modifyNetworkInterfaceAttributeRequest",
    "variableType" : "ModifyNetworkInterfaceAttributeRequest",
    "documentation" : null,
    "variable" : {
        "variableDeclarationType" : "ModifyNetworkInterfaceAttributeRequest",
        "variableName" : "modifyNetworkInterfaceAttributeRequest",
        "variableType" : "ModifyNetworkInterfaceAttributeRequest",
        "documentation" : null,
        "simpleType" : "ModifyNetworkInterfaceAttributeRequest",
        "variableSetterType" : "ModifyNetworkInterfaceAttributeRequest"
    },
    "wrapper" : false
}},
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyNetworkInterfaceAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyNetworkInterfaceAttributeResult",
  "variableName" : "modifyNetworkInterfaceAttributeResult",
  "variableType" : "ModifyNetworkInterfaceAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyNetworkInterfaceAttributeResult",
  "variableSetterType" : "ModifyNetworkInterfaceAttributeResult"
},
"wrapper" : false
},
"ModifyReservedInstancesRequest" : {
  "c2jName" : "ModifyReservedInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the parameters for ModifyReservedInstances."},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ModifyReservedInstances",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html)",
    "enumType" : null,
    "fluentSetterDocumentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html)",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html)",
    "getterMethodName" : "getClientToken",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null
    }
  }
}

{
  "c2jName" : "ReservedInstancesIds",
  "c2jShape" : "ReservedInstancesIdStringList",
  "deprecated" : false,
  "documentation" : "The IDs of the Reserved Instances to modify.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "The IDs of the Reserved Instances to modify.</p>
  "fluentSetterMethodName" : "withReservedInstancesIds",
  "getterDocumentation" : "The IDs of the Reserved Instances to modify.</p>
  "getterMethodName" : "getReservedInstancesIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedInstancesId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "member
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "returns returns a reference to this object so that method calls can be chained together.*/",
      "getterMethodName" : "getMember",
    }
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedInstancesId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
}
,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{link setReservedInstancesIds\(String\\}\) or \{link withReservedInstancesIds\(List\\)\} if you want to override the existing values.\</p>\n@\param reservedInstancesIds The IDs of the Reserved Instances to modify.\</p>\n@\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of the Reserved Instances to modify.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "TargetConfigurations",
  "c2jShape" : "ReservedInstancesConfigurationList",
  "deprecated" : false,
  "documentation" : "<p>The configuration settings for the Reserved Instances to modify.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to"
modify.</p>
@param targetConfigurations The configuration settings for the Reserved Instances to
modify.</p>
@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withTargetConfigurations",
"getterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to
modify.</p>*/",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesConfiguration>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesConfigurationSetItemType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstancesConfigurationSetItemType",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstancesConfiguration",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ReservedInstancesConfiguration",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedInstancesConfiguration",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
"templateType" : "java.util.List<ReservedInstancesConfiguration>"
},
"map" : false,
"mapModel" : null,
"name" : "TargetConfigurations",
"setterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to
modify.</p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify. */",
"setterMethodName" : "setTargetConfigurations",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
 "variableName" : "targetConfigurations",
 "variableType" : "java.util.List<ReservedInstancesConfiguration>",
 "documentation" : "",
 "simpleType" : "List<ReservedInstancesConfiguration>",
 "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to
modify.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setTargetConfigurations(java.util.Collection)} or [@link #withTargetConfigurations(java.util.Collection)} if you
want to override the existing values. </p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
 "variableName" : "targetConfigurations",
 "variableType" : "java.util.List<ReservedInstancesConfiguration>",
 "documentation" : "<p>The configuration settings for the Reserved Instances to modify.</p>",
 "simpleType" : "List<ReservedInstancesConfiguration>",
 "variableSetterType" : "java.util.Collection<ReservedInstancesConfiguration>"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
 "ClientToken" : {
 "c2jName" : "ClientToken",
 "c2jType" : "String",
 "deprecated" : false,
 "documentation" : "<p>A unique, case-sensitive token you provide to ensure idempotency of your
modification request. For more information, see [a href="/http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. </p>",,
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of
your modification request. For more information, see [a
href="/http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring
Idempotency</a>.<p>
@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/<p>
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : /*&lt;p&gt;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;&lt;p&gt;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : /*&lt;p&gt;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;<p>&amp;nbsp;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"getterModel" : {},
"setterModel" : {},
"getterDocumentation" : /*&lt;p&gt;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.&lt;/p&gt;&lt;p&gt;A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/"},
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "clientToken",
 "variableType" : "String",
 "documentation" : 
 "A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
",
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
,"xmlNameSpaceUri" : null
},
"ReservedInstancesIds" : {
 "c2jName" : "ReservedInstancesIds",
 "c2jShape" : "ReservedInstancesIdStringList",
 "deprecated" : false,
 "documentation" : 
 "The IDs of the Reserved Instances to modify.
",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withReservedInstancesIds",
 "getterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
@return The IDs of the Reserved Instances to modify.</p>
",
 "getterMethodName" : "getReservedInstancesIds",
 "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "ReservedInstancesId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.</p>\n@param reservedInstancesIds The IDs of the Reserved Instances to modify.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>The IDs of the Reserved Instances to modify.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setReservedInstancesIds(java.util.Collection) or [@link #withReservedInstancesIds(java.util.Collection)] if you want to override the existing values.</p>
@param reservedInstancesIds The IDs of the Reserved Instances to modify.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Reserved Instances to modify.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"TargetConfigurations" : {
"c2jName" : "TargetConfigurations",
"c2jShape" : "ReservedInstancesConfigurationList",
"deprecated" : false,
"documentation" : "<p>The configuration settings for the Reserved Instances to modify.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.</p>
@param targetConfigurations The configuration settings for the Reserved Instances to modify.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfigurations",
"getterDocumentation" : "/**<p>The configuration settings for the Reserved Instances to modify.</p>
@return The configuration settings for the Reserved Instances to modify.*/",
"getterMethodName" : "getTargetConfigurations",
"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesConfiguration>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesConfigurationSetItemType"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedInstancesConfigurationSetItemType",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesConfiguration",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesConfiguration",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",

```
"setterModel": {
  "variableDeclarationType": "ReservedInstancesConfiguration",
  "variableName": "member",
  "variableType": "ReservedInstancesConfiguration",
  "documentation": "",
  "simpleType": "ReservedInstancesConfiguration",
  "variableSetterType": "ReservedInstancesConfiguration"
},
"simple": false,
"varargSetterDocumentation": "/**
@returns A reference to this object so that method calls can be chained together.*/",
"simple": false,

"variable": {
  "variableDeclarationType": "ReservedInstancesConfiguration",
  "variableName": "member",
  "variableType": "ReservedInstancesConfiguration",
  "documentation": "",
  "simpleType": "ReservedInstancesConfiguration",
  "variableSetterType": "ReservedInstancesConfiguration"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "ReservedInstancesConfiguration",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ReservedInstancesConfiguration",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
"templateType": "java.util.List<ReservedInstancesConfiguration>",
"map": false,
"mapModel": null,
"name": "TargetConfigurations",
"setterDocumentation": "@param targetConfigurations The configuration settings for the Reserved Instances to modify. */"
"setterMethodName": "setTargetConfigurations",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ReservedInstancesConfiguration>",
  "variableName": "targetConfigurations",
  "variableType": "java.util.List<ReservedInstancesConfiguration>",
  "documentation": "",
  "simpleType": "List<ReservedInstancesConfiguration>",
  "variableSetterType": "java.util.Collection<ReservedInstancesConfiguration>"
},
"simple": false,
**The configuration settings for the Reserved Instances to modify.**

This method appends the values to the existing list (if any). Use [@link #setTargetConfigurations(java.util.Collection)] or [@link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.

```
@returns Returns a reference to this object so that method calls can be chained together.
```

```
/**
The configuration settings for the Reserved Instances to modify.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setTargetConfigurations(java.util.Collection)] or [@link #withTargetConfigurations(java.util.Collection)] if you want to override the existing values.

@param targetConfigurations The configuration settings for the Reserved Instances to modify.

@return Returns a reference to this object so that method calls can be chained together.
*/

```
```
"members" : [ 
  "c2jName" : "ReservedInstancesModificationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID for the modification.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID for the modification.</p><p>@param reservedInstancesModificationId The ID for the modification.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>

  
 */",
  "fluentSetterMethodName" : "withReservedInstancesModificationId",
  "getterDocumentation" : "/**<p>The ID for the modification.</p><p>@return The ID for the modification.</p>

  
 */",
  "getterMethodName" : "getReservedInstancesModificationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesModificationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesModificationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ReservedInstancesModificationId",
  "setterDocumentation" : "/**<p>The ID for the modification.</p><p>@param reservedInstancesModificationId The ID for the modification.</p>

  
 */",
  "setterMethodName" : "setReservedInstancesModificationId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesModificationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
],
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "<p>The ID for the modification.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
  },
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ReservedInstancesModificationId" : {
    "c2jName" : "ReservedInstancesModificationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : '<p>The ID for the modification.</p>',
    "enumType" : null,
    "fluentSetterDocumentation" : '/**<p>The ID for the modification.</p>
        @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesModificationId",
    "getterDocumentation" : '<p>The ID for the modification.</p>
        @return The ID for the modification.",
    "getterMethodName" : "getReservedInstancesModificationId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ReservedInstancesModificationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "reservedInstancesModificationId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.*/",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID for the modification.</p>
@param reservedInstancesModificationId The ID for the modification.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "<p>The ID for the modification.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyReservedInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyReservedInstancesResult",
  "variableName" : "modifyReservedInstancesResult",
  "variableType" : "ModifyReservedInstancesResult",
  "documentation" : null,
  "simpleType" : "ModifyReservedInstancesResult",
  "variableSetterType" : "ModifyReservedInstancesResult"
},
"wrapper" : false
}
"ModifySnapshotAttributeRequest" : {
  "c2jName" : "ModifySnapshotAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifySnapshotAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifySnapshotAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "SnapshotId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
    @param snapshotId The ID of the snapshot.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSnapshotId",
    "getterDocumentation" : "/**<p>The ID of the snapshot.</p>
    @return The ID of the snapshot.
    */",
    "getterMethodName" : "getSnapshotId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null
    }
  },
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifySnapshotAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "SnapshotId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the snapshot.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
    @param snapshotId The ID of the snapshot.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSnapshotId",
    "getterDocumentation" : "/**<p>The ID of the snapshot.</p>
    @return The ID of the snapshot.
    */",
    "getterMethodName" : "getSnapshotId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null
    }
  },
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Attribute",
"c2jShape" : "SnapshotAttributeName",
"deprecated" : false,
"documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <p> Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <p> Only volume creation permissions may be modified at the customer level.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note>
**SnapshotAttributeName*/

```

@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

getterMethodName" : "getAttribute",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Attribute",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n\n@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

setterMethodName" : "setAttribute",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

variable" : {
  "variableDeclarationType" : "String",
```

@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

setterMethodName" : "setAttribute",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

variable" : {
  "variableDeclarationType" : "String",
```

@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

setterMethodName" : "setAttribute",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@note

<p>Only volume creation permissions may be modified at the customer level.</p>

@see

SnapshotAttributeName*/

variable" : {
  "variableDeclarationType" : "String",

"variableName" : "attribute",
"variableType" : "String",
"documentation" : "&lt;p&gt;The snapshot attribute to modify.&lt;/p&gt;  
&lt;note&gt; &lt;p&gt;Only volume creation permissions 
may be modified at the customer level.&lt;/p&gt; &lt;/note&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{  
"c2jName" : "OperationType",
"c2jShape" : "OperationType",
"deprecated" : false,
"documentation" : "&lt;p&gt;The type of operation to perform to the attribute.&lt;/p&gt; ",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**&lt;p&gt;The type of operation to perform to the attribute.&lt;/p&gt;&lt;n&gt;&lt;param operationType The type of operation to perform to the attribute.&lt;n&gt;&lt;return Returns a reference to this object so that 
method calls can be chained together.&lt;n&gt;&lt;see OperationType*/",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**&lt;p&gt;The type of operation to perform to the attribute.&lt;/p&gt;&lt;n&gt;&lt;return The type of 
operation to perform to the attribute.&lt;n&gt;&lt;see OperationType*/",
"getterMethodName" : "getOperationType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OperationType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OperationType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**&lt;p&gt;The type of operation to perform to the attribute.&lt;/p&gt;&lt;n&gt;&lt;param operationType 
The type of operation to perform to the attribute.&lt;n&gt;&lt;see OperationType*/",
"simpleType" : "String",
"variableType" : "String",
"xmlNameSpaceUri" : null
},
"setterMethodName" : "setOperationType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "operationType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@param operationType The type of operation to perform to the attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "operationType",
    "variableType" : "String",
    "documentation" : "<p>The type of operation to perform to the attribute.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UserIds",
"c2jShape" : "UserIdStringList",
"deprecated" : false,
"documentation" : "<p>The account ID to modify for the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.
@see UserIds*/",
"fluentSetterMethodName" : "withUserIds",
"getterDocumentation" : "/**<p>The account ID to modify for the snapshot.</p>
@return The account ID to modify for the snapshot.
@see UserIds*/",
"getterMethodName" : "getUserIds",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UserId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"ListModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\
@return *
*",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UserId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UserId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\
@param member */". 
setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargArgSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "UserId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "UserIds",
"setterDocumentation" : "/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.*/",
"setterMethodName" : "setUserIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "userIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
This method appends the values to the existing list (if any). Use @link #setUserIds(java.util.Collection) or @link #withUserIds(java.util.Collection) if you want to override the existing values. @param userIds The account ID to modify for the snapshot. @return Returns a reference to this object so that method calls can be chained together.

@varargSetterDocumentation
/**
 * The account ID to modify for the snapshot.
 */
@varargSetterMethodName
withUserIds

@documentation
<p>The account ID to modify for the snapshot.</p>

@variable
{ variable : 
  { variableDeclarationType : "com.amazonaws.internal.SdkInternalList<String>",
    variableName : "userIds",
    variableType : "java.util.List<String>",
    documentation : "The account ID to modify for the snapshot.",
    simpleType : "List<String>",
    variableSetterType : "java.util.Collection<String>"
  },
  "variableNameSpaceUri" : null
},
  "c2jName" : "GroupNames",
  "c2jShape" : "GroupNameStringList",
  "deprecated" : false,
  "documentation" : "The group to modify for the snapshot.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The group to modify for the snapshot.
  @param groupNames The group to modify for the snapshot. @return Returns a reference to this object so that method calls can be chained together.
  
  @fluentSetterMethodName
  withGroupNames

  @getterDocumentation
  /**
   * The group to modify for the snapshot.
   */
  @getterMethodName
  getGroupNames

  @getterModel
  { returnType : "java.util.List<String>",
    documentation : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserGroup",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserGroup",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "GroupName",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "GroupName",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member \n*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
    }
  }
}
"variableSetterType": "String",
],
"simple": true,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "GroupName",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
",
"map": false,
"mapModel": null,
"name": "GroupNames",
"setterDocumentation": "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.*/",
"setterMethodName": "setGroupNames",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "groupNames",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
],
"simple": false,
"varargSetterDocumentation": "/**<p>The group to modify for the snapshot.</p>

    NOTE: This method appends the values to the existing list (if any). Use
    {@link #setGroupNames(java.util.Collection)} or
    {@link #withGroupNames(java.util.Collection)} if you want to override the existing values.*/

    @param groupNames The group to modify for the snapshot.*/
    @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The group to modify for the snapshot.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},  
"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null},

"createVolumePermissionModifications" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null}

"c2jName" : "CreateVolumePermission",
"c2jShape" : "CreateVolumePermissionModifications",
"deprecated" : false,
"documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
"simpleType" : null,
"setterMethodName": "setCreateVolumePermission",
"setterModel": {
"variableDeclarationType": "CreateVolumePermissionModifications",
"variableName": "createVolumePermission",
"variableType": "CreateVolumePermissionModifications",
"documentation": "",
"simpleType": "CreateVolumePermissionModifications",
"variableSetterType": "CreateVolumePermissionModifications"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A JSON representation of the snapshot attribute modification.</p>
@param createVolumePermission A JSON representation of the snapshot attribute modification.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "CreateVolumePermissionModifications",
"variableName": "createVolumePermission",
"variableType": "CreateVolumePermissionModifications",
"documentation": "<p>A JSON representation of the snapshot attribute modification.</p>
<note>Only volume creation permissions may be modified at the customer level.</note>",
"enumType": "SnapshotAttributeName",
"fluentSetterDocumentation": "/**<p>The snapshot attribute to modify.</p> <note>Only volume creation permissions may be modified at the customer level.</note>
@param attribute The snapshot attribute to modify.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
"fluentSetterMethodName": "withAttribute",
"getterDocumentation": "/**<p>The snapshot attribute to modify.</p> <note>Only volume creation permissions may be modified at the customer level.</note> 
@return The snapshot attribute to modify.
@see SnapshotAttributeName*/",
"getterMethodName": "getAttribute",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note>
@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p>
@see SnapshotAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> </note>
@param attribute The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotAttributeName*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "<p>The snapshot attribute to modify.</p> <note> <p>Only volume creation permissions may be modified at the customer level.</p> 
@note<note> <p>Only volume creation permissions may be modified at the customer level.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CreateVolumePermission" : {
"c2jName": "CreateVolumePermission",
"c2jShape": "CreateVolumePermissionModifications",
"deprecated": false,
"documentation": "A JSON representation of the snapshot attribute modification.

@returns Returns a reference to this object so that method calls can be chained together.

@see createVolumePermission

CreateVolumePermission A JSON representation of the snapshot attribute modification.

GetCreateVolumePermission A JSON representation of the snapshot attribute modification.

@returns

CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications

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CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications

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CreateVolumePermissionModifications

CreateVolumePermissionModifications

CreateVolumePermissionModifications
"simple" : false,
"varargSetterDocumentation" : "/**\n* A JSON representation of the snapshot attribute modification.\n* @param createVolumePermission A JSON representation of the snapshot attribute modification.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "CreateVolumePermissionModifications",
  "variableName" : "createVolumePermission",
  "variableType" : "CreateVolumePermissionModifications",
  "documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
  "simpleType" : "CreateVolumePermissionModifications",
  "variableSetterType" : "CreateVolumePermissionModifications"
},
"xmlNameSpaceUri" : null,
"GroupNames" : {
  "c2jName" : "GroupNames",
  "c2jShape" : "GroupNameStringList",
  "deprecated" : false,
  "documentation" : "<p>The group to modify for the snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nThe group to modify for the snapshot.\n* @param groupNames The group to modify for the snapshot.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupNames",
  "getterDocumentation" : "/**\nThe group to modify for the snapshot.\n* @return The group to modify for the snapshot.*/",
  "getterMethodName" : "getGroupNames",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "UserGroup",
    "uri" : false
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
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    "uri" : false
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
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        "http" : {
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
            "header" : false,
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            "statusCode" : false,
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            "uri" : false
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        "listModel" : null,
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        "mapModel" : null,
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        "setterMethodName" : "setMember",
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            "variableName" : "member",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"}
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
@param groupNames The group to modify for the snapshot.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupNames",
"setterModel" : {
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  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The group to modify for the snapshot.</p>
<br/NOTE:<b>This method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or</b> @{link #withGroupNames(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableName" : "groupNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The group to modify for the snapshot.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"OperationType" : {
"c2jName" : "OperationType",
"c2jShape" : "OperationType",
"deprecated" : false,
"documentation" : "<p>The type of operation to perform to the attribute.</p>",
"enumType" : "OperationType",
"fluentSetterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@param operationType The type of operation to perform to the attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType*/",
"fluentSetterMethodName" : "withOperationType",
"getterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@return The type of operation to perform to the attribute.
@see OperationType*/",
"getterMethodName" : "getOperationType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OperationType",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OperationType",
"setterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@param operationType The type of operation to perform to the attribute.
@see OperationType*/"
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"setterModel" : {
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   "variableName" : "operationType",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of operation to perform to the attribute.</p>
@param operationType The type of operation to perform to the attribute.
@return Returns a reference to this object so that method calls can be chained together.
@see OperationType*/",
"variable" : {
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   "variableType" : "String",
   "documentation" : "<p>The type of operation to perform to the attribute.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
   "c2jName" : "SnapshotId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The ID of the snapshot.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
   "fluentSetterMethodName" : "withSnapshotId",
   "getterDocumentation" : "/**<p>The ID of the snapshot.</p>
@return The ID of the snapshot.</p>*/",
   "getterMethodName" : "getSnapshotId",
   "getterModel" : {
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      "documentation" : null
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   "http" : {
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"UserIds" : {
  "c2jName" : "UserIds",
  "c2jShape" : "UserIdStringList",
  "deprecated" : false,
  "documentation" : "<p>The account ID to modify for the snapshot.</p>",
  "enumType" : null,
  "fluuentSetterDocumentation" : ""/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluuentSetterMethodName" : "withUserIds",
  "getterDocumentation" : ""/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.
@return The account ID to modify for the snapshot.*/",
  "getterMethodName" : "getUserIds",
  "getterModel" : {

```
"returnType" : "java.util.List<String>",
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},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "unmarshallLocationName" : "UserId",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n* @param member 
* @return Returns a reference to this object so that
* method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n* @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "header" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "UserId",
      "uri" : false
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"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
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"mapModel" : null,
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"setterModel" : {
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   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n   @param member
   @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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   "variableType" : "String",
   "documentation" : "",
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"memberType" : "String",
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"sendEmptyQueryString" : false,
"simple" : true,
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"templateType" : "java.util.List<String>",
"map" : false,
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"setterDocumentation": "/**<p>The account ID to modify for the snapshot.</p>
@param userIds The account ID to modify for the snapshot.*/",
"setterMethodName": "setUserIds",
"setterModel": {
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  "variableName": "userIds",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The account ID to modify for the snapshot.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link setUserIds(java.util.Collection)} or {@link #withUserIds(java.util.Collection)} if you want to override the existing values.</p>
@param userIds The account ID to modify for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "java.util.List<String>",
  "documentation": "<p>The account ID to modify for the snapshot.</p>
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "SnapshotId" ],
"shapeName": "ModifySnapshotAttributeRequest",
"unmarshaller": null,
"variable": {
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  "variableName": "modifySnapshotAttributeRequest",
  "variableType": "ModifySnapshotAttributeRequest",
  "documentation": null,
  "simpleType": "ModifySnapshotAttributeRequest",
  "variableSetterType": "ModifySnapshotAttributeRequest"
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"wrapper": false
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"ModifySnapshotAttributeResult": {
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  "customization": {
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  }
}
"skipGeneratingMarshaller" : false,
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"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"membersAsMap" : { },
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variableName" : "modifySnapshotAttributeResult",
"variableType" : "ModifySnapshotAttributeResult",
"documentation" : null,
"simpleType" : "ModifySnapshotAttributeResult",
"variableSetterType" : "ModifySnapshotAttributeResult"
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"wrapper" : false
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"ModifySpotFleetRequestRequest" : {
"c2jName" : "ModifySpotFleetRequestRequest",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySpotFleetRequest.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember": false,

"marshaller": {
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  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},

"members": [
  {
    "c2jName": "SpotFleetRequestId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the Spot fleet request.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/\*<p>The ID of the Spot fleet request.</p>\*@param spotFleetRequestId The ID of the Spot fleet request.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withSpotFleetRequestId",
    "getterDocumentation": "/\*<p>The ID of the Spot fleet request.</p>\n\n@returns The ID of the Spot fleet request.*/",
    "getterMethodName": "getSpotFleetRequestId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "SpotFleetRequestId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "spotFleetRequestId",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "SpotFleetRequestId",
    "setterDocumentation": "/\*<p>The ID of the Spot fleet request.</p>\n\n@returns The ID of the Spot fleet request.*/",
    "setterMethodName": "setSpotFleetRequestId",
    "setterModel": {
      "returnType": "String",
      "documentation": null
    },
    "redirectTo": null,
    "required": false,
    "requiredBy": null,
    "responseModel": null,
    "target": null,
    "type": "string",
    "xmlNameSpaceUri": null
  }
],

"idempotencyToken": false,
the Spot fleet request.*"},
  "setterMethodName" : "setSpotFleetRequestId",
  "setterModel" : {
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    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.<p>/n@param spotFleetRequestId The ID of the Spot fleet request.<n>@return Returns a reference to this object so that method calls can be chained together.*"",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "spotFleetRequestId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "c2jName" : "TargetCapacity",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The size of the fleet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The size of the fleet.<p>/n@param targetCapacity The size of the fleet.<n>@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withTargetCapacity",
  "getterDocumentation" : "/**<p>The size of the fleet.<p>/n@return The size of the fleet.*"",
  "getterMethodName" : "getTargetCapacity",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TargetCapacity"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetCapacity",
"setterDocumentation" : "/**<p>The size of the fleet.</p>
@param targetCapacity The size of the fleet.*/",
"setterMethodName" : "setTargetCapacity",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "targetCapacity",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the fleet.</p>
@param targetCapacity The size of the
fleet</n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "targetCapacity",
  "variableType" : "Integer",
  "documentation" : "<p>The size of the fleet.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ExcessCapacityTerminationPolicy",
"c2jShape" : "ExcessCapacityTerminationPolicy",
"deprecated" : false,
"documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of
the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
"enumType" : "ExcessCapacityTerminationPolicy",
"fluentSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the
target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the
target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</n>\n@return Returns a reference to this object so that method calls can be chained together:</n>\n</p>\n@see ExcessCapacityTerminationPolicy*/",
"fluentSetterMethodName" : "withExcessCapacity TerminationPolicy",
"getterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the
target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</n>\n@return Indicates
whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

@see ExcessCapacityTerminationPolicy*/

"getterMethodName" : "getExcessCapacityTerminationPolicy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ExcessCapacityTerminationPolicy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "excessCapacityTerminationPolicy",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ExcessCapacityTerminationPolicy",

"setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>

@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

@see ExcessCapacityTerminationPolicy*/

"setterMethodName" : "setExcessCapacityTerminationPolicy",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>

@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

@return Returns a reference to this object so that method calls can be chained together.

@see ExcessCapacityTerminationPolicy*/

"return" : false
}
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "excessCapacityTerminationPolicy",
    "variableType" : "String",
    "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "ExcessCapacityTerminationPolicy" : {
        "c2jName" : "ExcessCapacityTerminationPolicy",
        "c2jShape" : "ExcessCapacityTerminationPolicy",
        "deprecated" : false,
        "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
        "enumType" : "ExcessCapacityTerminationPolicy",
        "fluentSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.
@see ExcessCapacityTerminationPolicy*/",
        "fluentSetterMethodName" : "withExcessCapacityTerminationPolicy",
        "getterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@return Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@see ExcessCapacityTerminationPolicy*/",
        "getterMethodName" : "getExcessCapacityTerminationPolicy",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "ExcessCapacityTerminationPolicy",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "excessCapacityTerminationPolicy",
            "uri" : false
        }
    }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExcessCapacityTerminationPolicy",
"setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>*/
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@see ExcessCapacityTerminationPolicy*/",
"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the
target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>*/
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.
@see ExcessCapacityTerminationPolicy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "Indicates whether running Spot instances should be terminated if the target capacity
of the Spot fleet request is decreased below the current size of the Spot fleet."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestId" : {
  "c2jName" : "SpotFleetRequestId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotFleetRequestId*/",
  "fluentSetterMethodName" : "withSpotFleetRequestId",
  "fluentSetterDocumentation" : "The ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotFleetRequestId*/"}
"getterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>\n@return The ID of the Spot fleet request.*/",
"getterMethodName" : "getSpotFleetRequestId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetCapacity" : {
"c2jName" : "TargetCapacity",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the fleet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the fleet.</p>
@param targetCapacity The size of the fleet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withTargetCapacity",
"getterDocumentation" : "/**<p>The size of the fleet.</p>
@return The size of the fleet.*",
"getterMethodName" : "getTargetCapacity",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "TargetCapacity",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "targetCapacity",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetCapacity",
"setterDocumentation" : "/**<p>The size of the fleet.</p>
@param targetCapacity The size of the fleet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setTargetCapacity",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "targetCapacity",
   "variableType" : "Integer",
   "documentation" : "",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the fleet.</p>
@param targetCapacity The size of the fleet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "targetCapacity",
"variableType" : "Integer",
"documentation" : "<p>The size of the fleet.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId" ],
"shapeName" : "ModifySpotFleetRequestRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ModifySpotFleetRequestRequest",
"variableName" : "modifySpotFleetRequestRequest",
"variableType" : "ModifySpotFleetRequestRequest",
"documentation" : null,
"simpleType" : "ModifySpotFleetRequestRequest",
"variableSetterType" : "ModifySpotFleetRequestRequest"
},
"wrapper" : false
},
"ModifySpotFleetRequestResult" : {
"c2jName" : "ModifySpotFleetRequestResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of ModifySpotFleetRequest.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Return",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
  @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReturn",
  "getterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
  @return Is <code>true</code> if the request succeeds, and an error otherwise.*/",
  "getterMethodName" : "getReturn",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Return",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "return",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Return",
  "setterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
  @param returnValue Is <code>true</code> if the request succeeds, and an error otherwise.*/",
  "setterMethodName" : "setReturn",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "returnValue",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean"}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
@param return Value Is <code>true</code> if the request succeeds, and an error otherwise.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Is <code>true</code> if the request succeeds, and an error otherwise.</p>
@param return Value Is <code>true</code> if the request succeeds, and an error otherwise.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "Is <code>true</code> if the request succeeds, and an error otherwise.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ModifySpotFleetRequestResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifySpotFleetRequestResult",
  "variableName" : "modifySpotFleetRequestResult",
  "variableType" : "ModifySpotFleetRequestResult",
  "documentation" : null,
  "simpleType" : "ModifySpotFleetRequestResult",
  "variableSetterType" : "ModifySpotFleetRequestResult"
"ModifySubnetAttributeRequest" : {
  "c2jName" : "ModifySubnetAttributeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifySubnetAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifySubnetAttribute",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "SubnetId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The ID of the subnet.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>@returns Returns a reference to this object so that method calls can be chained together.**/",
      "fluentSetterMethodName" : "withSubnetId",
      "getterDocumentation" : "/**<p>The ID of the subnet.</p>@returns The ID of the subnet.*/",
      "getterMethodName" : "getSubnetId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*\*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclaratio
mapPublicIpOnLaunch Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). 

```java
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withMapPublicIpOnLaunch",
"getterDocumentation" : "/**<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).</p>

@return Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/

"getterMethodName" : "getMapPublicIpOnLaunch",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : "Value",
  "additionalUnmarshallingPath" : "value",
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MapPublicIpOnLaunch",
  "queryString" : false,
  "statusCode" : false,
  "unmarshalLocationName" : "MapPublicIpOnLaunch",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MapPublicIpOnLaunch",
"setterDocumentation" : "/**<p>Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).</p>

@param mapPublicIpOnLaunch Specify `<code>true</code>` to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).*/

"setterMethodName" : "setMapPublicIpOnLaunch",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "mapPublicIpOnLaunch",
  "variableType" : "Boolean".
```
"documentation": "",
"complexType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": /** Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

varargSetterMethodName": "withAssignIpv6AddressOnCreation",
"getterDocumentation": "/** Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). */

"documentation": "",
"complexType": "Boolean",
"variableSetterType": "Boolean"
},
"simpleType": "Boolean",
"variableName": "assignIpv6AddressOnCreation",
"variableType": "Boolean",
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

\*\*/

"documentation": "",
"complexType": "Boolean",
"variableName": "mapPublicIpOnLaunch",
"variableType": "Boolean",
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).\*\*/

simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"c2jName": "AssignIpv6AddressOnCreation",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

<\p> If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API. <\p>

\*\*/


c2jName": "AssignIpv6AddressOnCreation",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

<\p> If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API. <\p>

\*\*/

"documentation": "",
"complexType": "Boolean",
"variableName": "assignIpv6AddressOnCreation",
"variableType": "Boolean",
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

<\p> If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API. <\p>

\*\*/

"documentation": "",
"complexType": "Boolean",
"variableName": "mapPublicIpOnLaunch",
"variableType": "Boolean",
"documentation": "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).\*\*/
If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

```java
Specify true to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).
```

```java
If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.
```
**AssignIpv6AddressOnCreation**

Specify `true` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

*If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `2016-11-15` or later of the Amazon EC2 API.*

```java
@Param
assignIpv6AddressOnCreation
```

Returns a reference to this object so that method calls can be chained together.

```java
public AssignIpv6AddressOnCreation withAssignIpv6AddressOnCreation(Boolean assignIpv6AddressOnCreation) {
    this.assignIpv6AddressOnCreation = assignIpv6AddressOnCreation;
    return this;
}
```

This method is guaranteed to never return `null`. You can set it to `null` only if you initially called this method with `null`.

---

**documentation**: 

> Specify `true` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

*If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `2016-11-15` or later of the Amazon EC2 API.*

### Variables

#### AssignIpv6AddressOnCreation

```java
private Boolean assignIpv6AddressOnCreation;
```
If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

@returns Returns a reference to this object so that method calls can be chained together.

### AssignIpv6AddressOnCreation

Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version <code>2016-11-15</code> or later of the Amazon EC2 API.

If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.*

**setterMethodName** : "setAssignIpv6AddressOnCreation",

**setterModel** : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

**simple** : true,

varargSetterDocumentation" : "/*<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.

 assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). </p> <p>If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it's created using version `<code>2016-11-15</code>` or later of the Amazon EC2 API.

@param assignIpv6AddressOnCreation Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). 

@return Returns a reference to this object so that method calls can be chained together.*"",

**variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "assignIpv6AddressOnCreation",
  "variableType" : "Boolean",
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives an IPv6 address). 

**MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address). */",

  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

, "xmlNameSpaceUri" : null

, "MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@param
mapPublicIpOnLaunch Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together.

setterDocumentation" : "setMapPublicIpOnLaunch",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "mapPublicIpOnLaunch",
  "getterMethodDeclaration" : "getMapPublicIpOnLaunch",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "MapPublicIpOnLaunch",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MapPublicIpOnLaunch",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "MapPublicIpOnLaunch",
  "setterDocumentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address)."
}
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean",
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).</p>
@param mapPublicIpOnLaunch Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "mapPublicIpOnLaunch",
"variableType" : "Boolean",
"documentation" : "Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that's created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).

@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet.

@return The ID of the subnet.

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SubnetId" ],
"shapeName" : "ModifySubnetAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifySubnetAttributeRequest",
  "variableName" : "modifySubnetAttributeRequest",
  "variableType" : "ModifySubnetAttributeRequest",
  "documentation" : null,
  "simpleType" : "ModifySubnetAttributeRequest",
  "variableSetterType" : "ModifySubnetAttributeRequest"}
"variableSetterType" : "ModifySubnetAttributeRequest"
],
"wrapper" : false
],
"ModifySubnetAttributeResult" : {
"c2jName" : "ModifySubnetAttributeResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifySubnetAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifySubnetAttributeResult",
  "variableName" : "modifySubnetAttributeResult",
  "variableType" : "ModifySubnetAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifySubnetAttributeResult",
  "variableSetterType" : "ModifySubnetAttributeResult"
},
"wrapper" : false
],
"ModifyVolumeAttributeRequest" : {
"c2jName" : "ModifyVolumeAttributeRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : {},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVolumeAttributeRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyVolumeAttributeRequest",
  "variableName" : "modifyVolumeAttributeResult",
  "variableType" : "ModifyVolumeAttributeRequest",
  "documentation" : null,
  "simpleType" : "ModifyVolumeAttributeRequest",
  "variableSetterType" : "ModifyVolumeAttributeResult"
},
"wrapper" : false
]
"deprecated" : false,
"documentation" : "\<p\>Contains the parameters for ModifyVolumeAttribute.\</p\>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
 "action" : "ModifyVolumeAttribute",
 "locationName" : null,
 "requestUri" : "/",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
},
"members" : [ {
 "c2jName" : "VolumeId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "\<p\>The ID of the volume.\</p\>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\<p\>The ID of the volume.\</p\>\n@returns \<p\>Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVolumeId",
 "getterDocumentation" : "/**\<p\>The ID of the volume.\</p\>\n@returns The ID of the volume.*/",
 "getterMethodName" : "getVolumeId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VolumeId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "VolumeId",
 "uri" : false
 },
 "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**\n@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  
  "c2jName" : "AutoEnableIO",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAutoEnableIO",
  "getterDocumentation" : "/**\n@return Indicates whether the volume should be auto-enabled for I/O operations.
*/",
  "getterMethodName" : "getAutoEnableIO",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
    "additionalMarshallingPath" : "Value",
    "additionalUnmarshallingPath" : "value",
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoEnableIO",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AutoEnableIO",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoEnableIO",
"setterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.*/",
"setterMethodName" : "setAutoEnableIO",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "autoEnableIO",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>
",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
  "AutoEnableIO" : {
    "c2jName" : "AutoEnableIO",
    "c2jShape" : "Boolean",
    "deprecated" : false,
"documentation" : "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>", "enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>*/
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.
@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "withAutoEnableIO",
"getterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>*/
@return Indicates whether the volume should be auto-enabled for I/O operations.
*/",
"getterMethodName" : "getAutoEnableIO",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AutoEnableIO",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AutoEnableIO",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AutoEnableIO",
"setterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>*/
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.
*/",
"setterMethodName" : "setAutoEnableIO",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "autoEnableIO",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>*/
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.
*/
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "autoEnableIO",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>*/
@param autoEnableIO Indicates whether the volume should be auto-enabled for I/O operations.
*/"
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "ModifyVolumeAttributeRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyVolumeAttributeRequest",
  "variableName" : "modifyVolumeAttributeRequest",
  "variableType" : "ModifyVolumeAttributeRequest",
  "documentation" : null,
  "simpleType" : "ModifyVolumeAttributeRequest",
  "variableSetterType" : "ModifyVolumeAttributeRequest"
},
"wrapper" : false
},
"ModifyVolumeAttributeResult" : {
  "c2jName" : "ModifyVolumeAttributeResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVolumeAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyVolumeAttributeResult",
  "variableName" : "modifyVolumeAttributeResult",
  "variableType" : "ModifyVolumeAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyVolumeAttributeResult",
  "variableSetterType" : "ModifyVolumeAttributeResult"
},
"wrapper" : false
},
"ModifyVolumeRequest" : {
  "c2jName" : "ModifyVolumeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyVolume",
    "locationName" : null,
    "requestUri" : "/"
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
],
"members": [
{
"c2jName": "VolumeId",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param volumeId
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolumeId",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getVolumeId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VolumeId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VolumeId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**\n@param volumeId \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setVolumeId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "volumeId",
"variableType": "String",
"documentation": "",
"simpleType": "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**
@param volumeId 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Size",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> Default: If no size is specified, the existing size is retained.<p/>

"enumType" : null,
"fluentSetterDocumentation" : "/**
@param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> Default: If no size is specified, the existing size is retained.<p.IsNullOrWhiteSpace@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSize",
"getterDocumentation" : "/**
@return Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> Default: If no size is specified, the existing size is retained.<p.IsNullOrWhiteSpace@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSize",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
}
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Size",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Size",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be
greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see
<p>Default: If no size is specified, the existing size is retained.</p>
<p>@param size Target size in GiB of the volume to be modified. Target volume size must be
greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see
<p>Default: If no size is specified, the existing size is retained.</p>*/",
"setterMethodName" : "setSize",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "size",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size
must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a

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"returnType": "String",
"documentation": null
}

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VolumeType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VolumeType",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeType",
"setterDocumentation": "/**<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; &lt;/p&gt; &lt;p&gt; The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.&lt;/p&gt;&lt;p&gt;\n@param volumeType Target EBS volume type of the volume to be modified&lt;/p&gt;&lt;p&gt;Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; &lt;/p&gt; &lt;p&gt; The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.&lt;/p&gt;&lt;p&gt;\n@see VolumeType*/",
"setterMethodName": "setVolumeType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; &lt;/p&gt; &lt;p&gt; The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.&lt;/p&gt;&lt;p&gt;\n@param volumeType Target EBS volume type of the volume to be modified&lt;/p&gt;&lt;p&gt;Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; &lt;/p&gt; &lt;p&gt; The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.&lt;/p&gt;&lt;p&gt;\n@return Returns a reference to this object so that method calls can be

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chained together.

"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeType",
  "variableType": "String",
  "documentation": "<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> </p> <p>The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p> ",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Iops",
"c2jShape": "Integer",
"deprecated": false,
"enumType": null,
"fluentSetterDocumentation": "@**<p>Target IOPS rate of the volume to be modified.</p> <p>Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>. @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withIops",
"getterDocumentation": "@**<p>Target IOPS rate of the volume to be modified.</p> <p>Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>. @return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName": "getIops",
"getterModel": {"returnType": "Integer"}
Target IOPS rate of the volume to be modified.

Only valid for Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see:


Target IOPS rate of the volume to be modified.

Only valid for Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see:


Target IOPS rate of the volume to be modified.

Only valid for Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see:


Target IOPS rate of the volume to be modified.

Only valid for Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see:

@param iops Target IOPS rate of the volume to be modified. For more information about Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see [http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops). only valid for Provisioned IOPS SSD (io1) volumes. For more information about io1 IOPS configuration, see [http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops).
@return Target IOPS rate of the volume to be modified. Only valid for Provisioned IOPS SSD (\<code\>io1</code\>) volumes. For more information about \<code\>io1</code\> IOPS configuration, see \<a\>http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.

```
"getterMethodName" : "getIops",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Iops",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "\/*\p Target IOPS rate of the volume to be modified. Only valid for Provisioned IOPS SSD (\<code\>io1</code\>) volumes. For more information about \<code\>io1</code\> IOPS configuration, see \<a\>http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.

```
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
}
"variableSetterType" : "Integer",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target IOPS rate of the volume to be modified. Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.</p> <p>@param iops Target IOPS rate of the volume to be modified. Only valid for Provisioned IOPS SSD (<code>io1</code>) volumes. For more information about <code>io1</code> IOPS configuration, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html#EBSVolumeTypes_piops</a>.<br>@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "iops",
   "variableType" : "Integer",

   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Size" : {
   "c2jName" : "Size",
   "c2jShape" : "Integer",
   "deprecated" : false,
   "documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.<br>Default: If no size is specified, the existing size is retained. <p/>

   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.<br>Default: If no size is specified, the existing size is retained. <p/>

   "parameterName" : "size",
   "parameterType" : "integer",
   "parameterValue" : "null",
   "requirements" : "null",
   "simple" : true,
   "simpleType" : "integer",
   "variableName" : "size",
   "variableType" : "integer",
   "xmlNameSpaceUri" : null
},
"SizeInGiB" : {
   "c2jName" : "SizeInGiB",
   "c2jShape" : "integer",
   "deprecated" : false,
   "documentation" : "<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.<br>Default: If no size is specified, the existing size is retained. <p/>

   "enumType" : null,
   "fluentSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.<br>Default: If no size is specified, the existing size is retained. <p/>

   "parameterName" : "size",
   "parameterType" : "integer",
   "parameterValue" : "null",
   "requirements" : "null",
   "simple" : true,
   "simpleType" : "integer",
   "variableName" : "size",
   "variableType" : "integer",
   "xmlNameSpaceUri" : null
}
size is retained.

@return Returns a reference to this object so that method calls can be chained together.*/"
  "FluentSetterMethodName" : "withSize",
  "getterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained.</p>\n@returns {String} Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained.*/",
  "getterMethodName" : "getSize",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Size",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Size",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Size",
  "setterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained.</p>\n
@param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained.*/";
size is retained.*/

"setterMethodId" : "setSize",
"setterMethod" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "size",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.</p> <p>Default: If no size is specified, the existing size is retained. </p>"@param size Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>.*/

"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "size",
    "variableType" : "Integer",
    "documentation" : "Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained.

```java
@returns Returns a reference to this object so that method calls can be chained together.
```
"returnType": "String",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "VolumeId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VolumeId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeId",
"setterDocumentation": "/**
@param volumeId */",
"setterMethodName": "setVolumeId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param volumeId \n@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VolumeType": {
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"deprecated" : false,
"documentation" : "<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> | <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>

"enumType" : "VolumeType",
"fluentSetterDocumentation" : "/**
<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> | <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>

@see VolumeType*/",
"fluentSetterMethodName" : "withVolumeType",
"getterDocumentation" : "/**
<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> | <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>

@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
"getterMethodName" : "getVolumeType",
"getterModel" : { "returnType" : "String", "documentation" : null },
"idempotencyToken" : false, "list" : false, "listModel" : null, "map" : false,
"mapModel" : null,
"name" : "VolumeType",

"setterDocumentation" : "/**<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; </p> <p>The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.</p>

@see VolumeType*/
"setterMethodName" : "setVolumeType",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>Target EBS volume type of the volume to be modified</p> <p>Valid values are &lt;code&gt;io1&lt;/code&gt; | &lt;code&gt;gp2&lt;/code&gt; | &lt;code&gt;sc1&lt;/code&gt; | &lt;code&gt;st1&lt;/code&gt; </p> <p>The API does not support modifications for volume type &lt;code&gt;standard&lt;/code&gt;. You also cannot change the type of a volume to &lt;code&gt;standard&lt;/code&gt;.</p>

@see VolumeType*/
"varargSetterMethodName" : "setVolumeType",
"varargSetterModel" : {

"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VolumeId" ],
"shapeName" : "ModifyVolumeRequest",
"unmarshaller" : null,
"variable" : {

"variableDeclarationType" : "ModifyVolumeRequest",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}
"variableName" : "modifyVolumeRequest",
"variableType" : "ModifyVolumeRequest",
"documentation" : null,
"simpleType" : "ModifyVolumeRequest",
"variableSetterType" : "ModifyVolumeRequest"
},
"wrapper" : false
},
"ModifyVolumeResult" : {
"c2jName" : "ModifyVolumeResult",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "VolumeModification",
 "c2jShape" : "VolumeModification",
 "deprecated" : false,
 "documentation" : "<p>A <a>VolumeModification</a> object.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : ""/**<p>A <a>VolumeModification</a> object.</p>\n@returns Returns a reference to this object so that method calls can be chained together.</returns>*/",
 "fluentSetterMethodName" : "withVolumeModification",
 "getterDocumentation" : ""/**<p>A <a>VolumeModification</a> object.</p>\n@returns A <a>VolumeModification</a> object.</returns>*/",
 "getterMethodName" : "getVolumeModification",
 "getterModel" : {
 "returnType" : "VolumeModification",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeModification",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeModification",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeModification",
"setterDocumentation" : "/**
 * A <a>VolumeModification</a> object.
 *
@param volumeModification A <a>VolumeModification</a> object.
 */",
"setterMethodName" : "setVolumeModification",
"setterModel" : {
  "variableDeclarationType" : "VolumeModification",
  "variableName" : "volumeModification",
  "variableType" : "VolumeModification",
  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * A <a>VolumeModification</a> object.
 *
@param volumeModification A <a>VolumeModification</a> object.
@return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "VolumeModification",
  "variableName" : "volumeModification",
  "variableType" : "VolumeModification",
  "documentation" : "<p>A <a>VolumeModification</a> object.</p>
  
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
  "VolumeModification" : {
    "c2jName" : "VolumeModification",
    "c2jShape" : "VolumeModification",
    "deprecated" : false,
    "documentation" : "<p>A <a>VolumeModification</a> object.</p>
    
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 * A <a>VolumeModification</a> object.
 *
@param volumeModification A <a>VolumeModification</a> object.
 */
  }
}
volumeModification A <a>VolumeModification</a> object.
@returns Returns a reference to this object so that method calls can be chained together.*/”,
"fluentSetterMethodName" : "withVolumeModification",
"getterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getVolumeModification",
"getterModel" : {
  "returnType" : "VolumeModification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeModification",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeModification",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeModification",
"setterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@param volumeModification A <a>VolumeModification</a> object.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeModification",
"setterModel" : {
  "variableDeclarationType" : "VolumeModification",
  "variableName" : "volumeModification",
  "variableType" : "VolumeModification",
  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A <a>VolumeModification</a> object.</p>
@param volumeModification A <a>VolumeModification</a> object.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VolumeModification",
  "variableType" : "VolumeModification",
  "variableName" : "volumeModification",
  "variableType" : "VolumeModification",
  "documentation" : "",
  "simpleType" : "VolumeModification",
  "variableSetterType" : "VolumeModification"}
"variableName" : "volumeModification",
"variableType" : "VolumeModification",
"documentation" : "<p>A <a>VolumeModification</a> object.</p>",
"simpleType" : "VolumeModification",
"variableSetterType" : "VolumeModification"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVolumeResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ModifyVolumeResult",
"variableName" : "modifyVolumeResult",
"variableType" : "ModifyVolumeResult",
"documentation" : null,
"simpleType" : "ModifyVolumeResult",
"variableSetterType" : "ModifyVolumeResult"
},
"wrapper" : false
",
"ModifyVpcAttributeRequest" : {
"c2jName" : "ModifyVpcAttributeRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVpcAttribute.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ModifyVpcAttribute",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [ {
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVpcId",
"getterDocumentation": "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName": "getVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "VpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "vpcId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
*/",
"setterMethodName": "setVpcId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "EnableDnsSupport",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>"
}
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnableDnsSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EnableDnsSupport",
"uri" : false
",
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsSupport",
"setterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \'+ plus two\' will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>*/",
"setterMethodName" : "setEnableDnsSupport",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsSupport",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
",
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \'+ plus two\' will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>*/"
attribute.<p@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enableDnsSupport",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.<p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

  "complexType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,

"c2jName" : "EnableDnsHostnames",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>

"getterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>

"getterMethodName" : "getEnableDnsHostnames",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
**Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.**

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.

**Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.**

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p> ",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
],
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"EnableDnsHostnames" : {
"c2jName" : "EnableDnsHostnames",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>\n@return Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnableDnsHostnames",
"getterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>\n@return Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not. </p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>\n@return You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support. */",
"getterMethodName" : "getEnableDnsHostnames",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : "Value",
"additionalUnmarshallingPath" : "value",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshalLocationName" : "EnableDnsHostnames",
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "EnableDnsHostnames",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnableDnsHostnames",
"setterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.\n</param><param enableDnsHostnames indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEnableDnsHostnames",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.\n</param><param enableDnsHostnames indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsHostnames",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.\n@return Returns a reference to this object so that method calls can be chained together.*/
"}
DNS hostnames if you've enabled DNS support.

```json
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlnsNameSpaceUri": null
},
"EnableDnsSupport": {
"c2jName": "EnableDnsSupport",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>
@param enableDnsSupport Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withEnableDnsSupport",
"getterDocumentation": "**<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>
@return Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>

"returnType": "Boolean",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": "Value",
"additionalUnmarshallingPath": "value",
"flattened": false,
"greedy": false,
```
**Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {"variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {"variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {"variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

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"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"varargSetterDocumentation" : "\nSpecifies whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Boolean", "variableName" : "enableDnsSupport", "variableType" : "Boolean", "documentation" : ",", "simpleType" : "Boolean", "varargSetterType" : "Boolean" },
"simple" : true,
"variableDeclarationType" : "Boolean",
"variableName" : "enableDnsSupport",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \"plus two\" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the VPC.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.</p>*/",
 "getterMethodName" : "getVpcId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
"name": "VpcId",
"setterDocumentation": "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName": "setVpcId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": 
  "**<p>The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the VPC.\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcId",
  "variableType": "String",
  "documentation": 
  "<p>The ID of the VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "VpcId" ],
"shapeName": "ModifyVpcAttributeRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ModifyVpcAttributeRequest",
  "variableName": "modifyVpcAttributeRequest",
  "variableType": "ModifyVpcAttributeRequest",
  "documentation": null,
  "simpleType": "ModifyVpcAttributeRequest",
  "variableSetterType": "ModifyVpcAttributeRequest"
},
"wrapper": false,
"ModifyVpcAttributeResult": {
  "c2jName": "ModifyVpcAttributeResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  }
}
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVpcAttributeResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ModifyVpcAttributeResult",
  "variableName" : "modifyVpcAttributeResult",
  "variableType" : "ModifyVpcAttributeResult",
  "documentation" : null,
  "simpleType" : "ModifyVpcAttributeResult",
  "variableSetterType" : "ModifyVpcAttributeResult"
},
"wrapper" : false
},
"ModifyVpcEndpointRequest" : {
  "c2jName" : "ModifyVpcEndpointRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ModifyVpcEndpoint",
    "locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlnsSpaceUri" : null
},
"members" : [ {
  "c2jName" : "VpcEndpointId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the endpoint.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the endpoint.</p>
  @param vpcEndpointId The ID of the endpoint.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcEndpointId",
  "getterDocumentation" : "/**<p>The ID of the endpoint.</p>
  @return The ID of the endpoint.*/",
  "getterMethodName" : "getVpcEndpointId",
  "getterModel" : {
    "returnType" : "String",
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcEndpointId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VpcEndpointId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcEndpointId",
  "setterDocumentation" : "/**<p>The ID of the endpoint.</p>
  @param vpcEndpointId The ID of the endpoint.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcEndpointId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcEndpointId",
    "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the endpoint.</p>
@param vpcEndpointId The ID of the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcEndpointId",
"variableType" : "String",
"documentation" : "<p>The ID of the endpoint.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ResetPolicy",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResetPolicy",
"getterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
@return Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.
*/",
"getterMethodName" : "getResetPolicy",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResetPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ResetPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResetPolicy",
"setterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.*/",
"setterMethodName" : "setResetPolicy",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "resetPolicy",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "resetPolicy",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.*/"
"getterMethodName" : "getPolicyDocument",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PolicyDocument",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PolicyDocument",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : /*\*\*<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.*/
@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.
@return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setPolicyDocument",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*\*\*<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.*/
@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.
@return A policy document to attach to the endpoint. The policy must be in valid JSON format.*/
format,"
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "AddRouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route tables IDs to associate with the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@returns {List<String> | null} One or more route tables IDs to associate with the endpoint.*/",
"getterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@returns GetAddRouteTableIds
One or more route tables IDs to associate with the endpoint.*/",
"getterMethodName" : "GetAddRouteTableIds",
"getterModel" : {
    "returnType" : "java.util.List<java.lang.String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AddRouteTableId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AddRouteTableId",
    "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"listModel" : null,
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"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simpleType" : "String",
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>>
},
"map" : false,
"mapModel" : null,
"name" : "AddRouteTableIds",
"setterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.*/",
"setterMethodName" : "setAddRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more route tables IDs to associate with the endpoint.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null,
},
"c2jName" : "RemoveRouteTableIds",

"c2jShape" : "ValueStringList",
"documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "@**<p>One or more route table IDs to disassociate from the
endpoint.</p>@return Returns a reference to this object so that method calls can be chained together.*/*/",
"getterDocumentation" : "@**<p>One or more route table IDs to disassociate from the endpoint.</p>\n@return One or more route table IDs to disassociate from the endpoint.*/*/",
"getterMethodName" : "getRemoveRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RemoveRouteTableId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "RemoveRouteTableId",
 "uri" : false
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"list" : true,
"listModel" : {
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 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "@**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/*/",
 "getterDocumentation" : "@**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "String",
"
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param member
 * @return Returns a reference to this object so that
 * method calls can be chained together. */",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "RemoveRouteTableIds",
"setterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.*/",
"setterMethodName" : "setRemoveRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
<bp><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setRemoveRouteTableIds(java.util.Collection) } or { @link #withRemoveRouteTableIds(java.util.Collection) } if you want to override the existing values.</bp><p>
@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.<
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "removeRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
  "AddRouteTableIds" : {
    "c2jName" : "AddRouteTableIds",
    "c2jShape" : "ValueStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more route table IDs to associate with the endpoint.</p>",
    "enumType" : null,
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"fluentSetterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@param addRouteTableIds One or more route tables IDs to associate with the endpoint.
@return
Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAddRouteTableIds",
"getterDocumentation" : "/**<p>One or more route tables IDs to associate with the endpoint.</p>
@return
One or more route tables IDs to associate with the endpoint. */",
"getterMethodName" : "getAddRouteTableIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AddRouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AddRouteTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return
Returns a reference to this object so that method calls can be chained together. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
"Open Source Used In Virtualized Voice Browser 12.6(1) 24471"}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "AddRouteTableIds",
"setterDocumentation" : "/**
** One or more route tables IDs to associate with the endpoint.</p>
@n@param
addRouteTableIds One or more route tables IDs to associate with the endpoint.*/",
"setterMethodName" : "setAddRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**
** One or more route tables IDs to associate with the endpoint.
@n<p>NOTE:</p> This method appends the values to the existing list (if any). Use {@link
#setAddRouteTableIds(java.util.Collection)} or {@link #withAddRouteTableIds(java.util.Collection)} if you want
to override the existing values.</p>\n@param
addRouteTableIds One or more route tables IDs to associate with the endpoint.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "addRouteTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route tables IDs to associate with the endpoint.
@p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
},
"PolicyDocument" : {
  "c2jName" : "PolicyDocument",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "@p>A policy document to attach to the endpoint. The policy must be in valid JSON
format.\p>
@n" "enumType" : null,
"fluentSetterDocumentation" : "@p>A policy document to attach to the endpoint. The policy must be in
valid JSON format.\n@n@param
policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.\n
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPolicyDocument",}
"getterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>@return A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>",
"getterMethodName" : "getPolicyDocument",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PolicyDocument",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PolicyDocument",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.
@return Returns a reference to this object so that method calls can be chained together.</p>",
"setterMethodName" : "setPolicyDocument",
"setterModel" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>@param policyDocument A policy document to attach to the endpoint. The policy must be in valid JSON format.@n@return Returns a reference to this object so that method calls can be chained together.
",
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"variableDeclarationType" : "String",
"variableName" : "policyDocument",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "policyDocument",
"variableType" : "String",
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RemoveRouteTableIds" : {
"c2jName" : "RemoveRouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
\@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemoveRouteTableIds",
"getterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
\@return One or more route table IDs to disassociate from the endpoint.*/",
"getterMethodName" : "getRemoveRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RemoveRouteTableId",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : {
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
}"variableName" : "policyDocument",
"variableType" : "String",
"documentation" : "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"RemoveRouteTableIds" : {
"c2jName" : "RemoveRouteTableIds",
"c2jShape" : "ValueStringList",
"deprecated" : false,
"documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
\@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemoveRouteTableIds",
"getterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
\@return One or more route table IDs to disassociate from the endpoint.*/",
"getterMethodName" : "getRemoveRouteTableIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RemoveRouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RemoveRouteTableId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "RemoveRouteTableIds",
"setterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>
@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.*/",
"setterMethodName" : "setRemoveRouteTableIds",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "removeRouteTableIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more route table IDs to disassociate from the endpoint.</p>

\n@param removeRouteTableIds One or more route table IDs to disassociate from the endpoint.*/",
"return" : "Returns a reference to this object so that method calls can be chained together.*/"}
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
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,"ResetPolicy" : {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>\n@method withResetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withResetPolicy",
  "getterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>\n@method getResetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.*/",
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    "documentation" : null
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    "unmarshallLocationName" : "ResetPolicy",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ResetPolicy",
  "setterDocumentation" : "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>\n@method setResetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.*/"
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  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p><p>@param resetPolicy Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "simpleType": "Boolean",
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the endpoint.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n * The ID of the endpoint.</p>
 * @param vpcEndpointId The ID of the endpoint.\n * @return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "getterDocumentation": "/**\n * The ID of the endpoint.\n * @return The ID of the endpoint.*/",
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"deprecated" : false,
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"marshaller" : null,
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@return Returns a reference to this object so that method calls can be chained together.*",
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@return Returns a reference to this object so that method calls can be chained together.*",
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"setterDocumentation" : "/**
<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
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  "variableSetterType" : "Boolean"
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<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/",
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<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
*/
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  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**
<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}].
returns an error.

@returns

<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>

@returns

<p>Returns a reference to this object so that method calls can be chained together.</p>
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"variableName" : "returnValue",
"variableType" : "Boolean",
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
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"variableName" : "modifyVpcEndpointResult",
"variableType" : "ModifyVpcEndpointResult",
"documentation" : null,
"simpleType" : "ModifyVpcEndpointResult",
"variableSetterType" : "ModifyVpcEndpointResult"
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"wrapper" : false
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"c2jName" : "ModifyVpcPeeringConnectionOptionsRequest",
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"deprecated" : false,
"documentation" : "",
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"errorCode" : null,
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"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
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  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
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    "isStreaming" : false,
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    "unmarshallLocationName" : "VpcPeeringConnectionId",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcPeeringConnectionId",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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* \n* @param vpcPeeringConnectionId The ID of the VPC peering connection.
* \n* @return Returns a reference to this object so that method calls can be chained together.\*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>
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  \n  @return Returns a reference to this object so that method calls can be chained together.\*/",
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    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC peering connection.</p>
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    \n    @return Returns a reference to this object so that method calls can be chained together.\*/",
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The ID of the VPC peering connection.
* \n* @param vpcPeeringConnectionId The ID of the VPC peering connection.
* \n* @return Returns a reference to this object so that method calls can be chained together.\*/",
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        \n        @return Returns a reference to this object so that method calls can be chained together.\*/",
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          \n          @return Returns a reference to this object so that method calls can be chained together.\*/",
          "simple" : true,
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* \n* @param vpcPeeringConnectionId The ID of the VPC peering connection.
* \n* @return Returns a reference to this object so that method calls can be chained together.\*/
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            "documentation" : "<p>The ID of the VPC peering connection.</p>
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              \n              @return Returns a reference to this object so that method calls can be chained together.\*/"}{
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.*/",
"setterMethodName" : "setRequesterPeeringConnectionOptions",
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  "variableName" : "requesterPeeringConnectionOptions",
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  "documentation" : "",
  "simpleType" : "PeeringConnectionOptionsRequest",
  "variableSetterType" : "PeeringConnectionOptionsRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The VPC peering connection options for the requester VPC.</p>",
  "simpleType" : "PeeringConnectionOptionsRequest",
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"c2jShape" : "PeeringConnectionOptionsRequest",
"deprecated" : false,
"documentation" : "<p>The VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>
@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAccepterPeeringConnectionOptions",
"getterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>
@return The VPC peering connection options for the accepter VPC.*/",
"getterMethodName" : "getAccepterPeeringConnectionOptions",
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  "enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The VPC peering connection options for the accepter VPC.</p>
@return The VPC peering connection options for the accepter VPC.*/",
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        "deprecated" : false,
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        "enumType" : null,
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         *\n         * @param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
         * @return Returns a reference to this object so that method calls can be chained together.</p>*/",
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         */",
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"variableSetterType" : "PeeringConnectionOptionsRequest",
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"varargSetterDocumentation" : "/**\n* The VPC peering connection options for the accepter VPC.
*\n* @param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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\n@param accepterPeeringConnectionOptions The VPC peering connection options for the accepter VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "PeeringConnectionOptionsRequest",
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\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**\n* The VPC peering connection options for the requester VPC.
*\n* @return The VPC peering connection options for the requester VPC.*/",
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 * \n * @param requesterPeeringConnectionOptions The VPC peering connection options for the requester VPC.
 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
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 * \n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"name" : "VpcPeeringConnectionId",
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  "variableType" : "String",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "VpcPeeringConnectionId" ],
"shapeName" : "ModifyVpcPeeringConnectionOptionsRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ModifyVpcPeeringConnectionOptionsRequest",
  "variableName" : "modifyVpcPeeringConnectionOptionsRequest",
  "variableType" : "ModifyVpcPeeringConnectionOptionsRequest",
  "documentation" : null,
  "simpleType" : "ModifyVpcPeeringConnectionOptionsRequest",
  "variableSetterType" : "ModifyVpcPeeringConnectionOptionsRequest"
},
"wrapper" : false
},
"ModifyVpcPeeringConnectionOptionsResult" : {
  "c2jName" : "ModifyVpcPeeringConnectionOptionsResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : {
    "c2jName" : "RequesterPeeringConnectionOptions",
    "c2jShape" : "PeeringConnectionOptions",
    "deprecated" : false,
    "documentation" : "Information about the VPC peering connection options for the requester VPC.
    "getterDocumentation" : "Information about the VPC peering connection options for the requester VPC.
    "fluentSetterDocumentation" : "Information about the VPC peering connection options for the requester VPC.
    "fluentSetterMethodName" : "withRequesterPeeringConnectionOptions",
    "getterDocumentation" : "Information about the VPC peering connection options for the requester VPC.
    "getterMethodName" : "getRequesterPeeringConnectionOptions",
    "getterModel" : {
      "returnType" : "PeeringConnectionOptions",
      "documentation" : null
    }
  },
"http": {
  "additionalMarshallingPath":null,
  "additionalUnmarshallingPath":null,
  "flattened":false,
  "greedy":false,
  "header":false,
  "isPayload":false,
  "isStreaming":false,
  "location":null,
  "marshallLocationName":"RequesterPeeringConnectionOptions",
  "queryString":false,
  "statusCode":false,
  "unmarshallLocationName":"requesterPeeringConnectionOptions",
  "uri":false
},
"idempotencyToken":false,
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name":"RequesterPeeringConnectionOptions",
"setterDocumentation":"/**<p>Information about the VPC peering connection options for the requester VPC.</p>\n@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.*\n*/",
"setterMethodName":"setRequesterPeeringConnectionOptions",
"setterModel":{
  "variableDeclarationType":"PeeringConnectionOptions",
  "variableName":"requesterPeeringConnectionOptions",
  "variableType":"PeeringConnectionOptions",
  "documentation":"",
  "simpleType":"PeeringConnectionOptions",
  "variableSetterType":"PeeringConnectionOptions"
},
"simple":false,
"varargSetterDocumentation":"/**<p>Information about the VPC peering connection options for the requester VPC.</p>\n@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable":{
  "variableDeclarationType":"PeeringConnectionOptions",
  "variableName":"requesterPeeringConnectionOptions",
  "variableType":"PeeringConnectionOptions",
  "documentation":"<p>Information about the VPC peering connection options for the requester VPC.</p>",
  "simpleType":"PeeringConnectionOptions",
  "variableSetterType":"PeeringConnectionOptions"
},
"xmlNameSpaceUri":null
},
"c2jName":"AccepterPeeringConnectionOptions"
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AccepterPeeringConnectionOptions",
"setterDocumentation" : "/**\n*p>Information about the VPC peering connection options for the accepter
VPC.\n@param accepterPeeringConnectionOptions Information about the VPC peering connection options for
the accepter VPC.*/",
"setterMethodTypeName" : "setAccepterPeeringConnectionOptions",
"setterModel" : {
   "variableDeclarationType" : "PeeringConnectionOptions",
   "variableName" : "accepterPeeringConnectionOptions",
   "variableType" : "PeeringConnectionOptions",
   "documentation" : "",
   "simpleType" : "PeeringConnectionOptions",
   "variableSetterType" : "PeeringConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/*\n*p>Information about the VPC peering connection options for the accepter
VPC.\n@param accepterPeeringConnectionOptions Information about the VPC peering connection options for
the accepter VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "PeeringConnectionOptions",
   "variableName" : "accepterPeeringConnectionOptions",
   "variableType" : "PeeringConnectionOptions",
   "documentation" : "<p>Information about the VPC peering connection options for the accepter VPC.</p>",
   "simpleType" : "PeeringConnectionOptions",
   "variableSetterType" : "PeeringConnectionOptions"
},
"xmlNameSpaceUri" : null
},
"RequesterPeeringConnectionOptions" : {
   "c2jName" : "RequesterPeeringConnectionOptions",
   "c2jShape" : "PeeringConnectionOptions",
   "deprecated" : false,
   "documentation" : "<p>Information about the VPC peering connection options for the requester VPC.</p>",
   "enumType" : null,
   "fluentSetterDocumentation" : "/*\n*p>Information about the VPC peering connection options for the requester
VPC.\n@param requesterPeeringConnectionOptions Information about the VPC peering connection options for
the requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
   "fluentSetterMethodName" : "withRequesterPeeringConnectionOptions",
   "getterDocumentation" : "/*\n*p>Information about the VPC peering connection options for the requester
VPC.\n@return Information about the VPC peering connection options for the requester VPC.*/",
   "getMethodName" : "getRequesterPeeringConnectionOptions",
   "getModel" : {
      "returnType" : "PeeringConnectionOptions",
      "documentation" : null
   }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RequesterPeeringConnectionOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "requesterPeeringConnectionOptions",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterPeeringConnectionOptions",
"setterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.*/",
"setterMethodName" : "setRequesterPeeringConnectionOptions",
"setterModel" : {
     "variableDeclarationType" : "PeeringConnectionOptions",
    "variableName" : "requesterPeeringConnectionOptions",
    "variableType" : "PeeringConnectionOptions",
    "documentation" : "",
    "simpleType" : "PeeringConnectionOptions",
    "variableSetterType" : "PeeringConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the requester VPC.</p>
@param requesterPeeringConnectionOptions Information about the VPC peering connection options for the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
     "variableDeclarationType" : "PeeringConnectionOptions",
    "variableName" : "requesterPeeringConnectionOptions",
    "variableType" : "PeeringConnectionOptions",
    "documentation" : "<p>Information about the VPC peering connection options for the requester VPC.</p>",
    "simpleType" : "PeeringConnectionOptions",
    "variableSetterType" : "PeeringConnectionOptions"
},
"xmlNameSpaceUri" : null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ModifyVpcPeeringConnectionOptionsResult",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "ModifyVpcPeeringConnectionOptionsResult",
   "variableName" : "modifyVpcPeeringConnectionOptionsResult",
   "variableType" : "ModifyVpcPeeringConnectionOptionsResult",
   "documentation" : null,
   "simpleType" : "ModifyVpcPeeringConnectionOptionsResult",
   "variableSetterType" : "ModifyVpcPeeringConnectionOptionsResult"
},
"wrapper" : false
},
"MonitorInstancesRequest" : {
   "c2jName" : "MonitorInstancesRequest",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "<p>Contains the parameters for MonitorInstances.</p>",
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "marshaller" : {
      "action" : "MonitorInstances",
      "locationName" : null,
      "requestUri" : "/",
      "target" : null,
      "verb" : "POST",
      "xmlNameSpaceUri" : null
   },
   "members" : [
      {
         "c2jName" : "InstanceIds",
         "c2jShape" : "InstanceIdStringList",
         "deprecated" : false,
         "documentation" : "<p>One or more instance IDs.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceIds",
"getterDocumentation": "/**<p>One or more instance IDs.</p>
@return One or more instance IDs.*/",
"getterMethodName": "getInstanceIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"ListModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return *
*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**
<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.*\*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more instance IDs.</p>
",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"InstanceIds": {
"c2jName": "InstanceIds",
"c2jShape": "InstanceIdStringList",
"deprecated": false,
"documentation": "<p>One or more instance IDs.</p>
",
"enumType": null,
"fluentSetterDocumentation": "/**
<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName": "withInstanceIds",
"getterDocumentation": "/**
<p>One or more instance IDs.</p>
@return One or more instance IDs.*\*/",
"getterMethodName": "getInstanceIds",
"getterModel": {
"returnType": "java.util.List<String>"},

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"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"name" : "InstanceIds"}
**setterDocumentation**: 

One or more instance IDs.

```javascript
/**
 * @param instanceIds One or more instance IDs.
 */
```

**setterMethodName**: `setInstanceIds`

**setterModel**: 

```javascript
{
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "instanceIds",
    "variableType": "java.util.List<String>",
    "documentation": "",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>",
}
```

**simple**: false

**varargSetterDocumentation**: 

One or more instance IDs.

```javascript
/**
 * NOTE:
 * This method appends the values to the existing list (if any). Use
 * @link #setInstanceIds(java.util.Collection) or @link
 * #withInstanceIds(java.util.Collection) if you want to override
 * the existing values.
 * @param instanceIds One or more instance IDs.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**variable**: 

```javascript
{
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
    "variableName": "instanceIds",
    "variableType": "java.util.List<String>",
    "documentation": 
```
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of MonitorInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "InstanceMonitorings",
  "c2jShape" : "InstanceMonitoringList",
  "deprecated" : false,
  "documentation" : "<p>The monitoring information.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The monitoring information.</p>
  @param instanceMonitorings The monitoring information.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceMonitorings",
  "getterDocumentation" : "/**<p>The monitoring information.</p>
  @return The monitoring information.*/",
  "getterMethodName" : "getInstanceMonitorings",
  "getterModel" : {
    "returnType" : "java.util.List<InstanceMonitoring>",
    "documentation" : null
  }
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstancesSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instancesSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "InstanceId",
      "c2jShape" : "InstanceId",
      "deprecated" : false,
      "documentation" : "<p>Identifies an instance.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Identifies an instance.</p>
      @param instanceId Identifies an instance.
      @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withInstanceId",
      "getterDocumentation" : "/**<p>Identifies an instance.</p>
      @return The instanceId.*/",
      "getterMethodName" : "getInstanceId",
      "getterModel" : {
        "returnType" : "java.lang.String",
        "documentation" : null
      }
    }
  }
}
"c2jName" : "member",
"c2jShape" : "InstanceMonitoring",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "InstanceMonitoring",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flat" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "InstanceMonitoring",
    "variableName" : "member",
    "variableType" : "InstanceMonitoring",
    "documentation" : "",
    "simpleType" : "InstanceMonitoring",
    "variableSetterType" : "InstanceMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "InstanceMonitoring",
    "variableName" : "member",
    "variableType" : "InstanceMonitoring",
    "documentation" : "",
    "simpleType" : "InstanceMonitoring",
    "variableSetterType" : "InstanceMonitoring"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceMonitoring",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceMonitoring",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
"templateType" : "java.util.List<InstanceMonitoring>",
"map" : false,
"mapModel" : null,
"name" : "InstanceMonitorings",
"setterDocumentation" : "<p>The monitoring information.</p>
@param instanceMonitorings The monitoring information.*/
@n@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setInstanceMonitorings",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
    "variableName" : "instanceMonitorings",
    "variableType" : "java.util.List<InstanceMonitoring>",
    "documentation" : "",
    "simpleType" : "List<InstanceMonitoring>",
    "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"simple" : false,
"varargSetterDocumentation" : "<p>The monitoring information.</p>
@param instanceMonitorings The monitoring information.*/


@NOTE: This method appends the values to the existing list (if any). Use {@link #setInstanceMonitorings(java.util.Collection)} or {@link #withInstanceMonitorings(java.util.Collection)} if you want to override the existing values.*/
@n@return Returns a reference to this object so that method calls can be chained together.*/"
"variableSetterType" : "java.util.Collection<InstanceMonitoring>",
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"InstanceMonitorings" : {
"c2jName" : "InstanceMonitorings",
"c2jShape" : "InstanceMonitoringList",
"deprecated" : false,
"documentation" : "The monitoring information.",
"enumType" : null,
"fluentSetterDocumentation" : "The monitoring information.\n@param instanceMonitorings The monitoring information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceMonitorings",
"getterDocumentation" : "The monitoring information.\n@return The monitoring information.*/",
"getterMethodName" : "getInstanceMonitorings",
"getterModel" : {
"returnType" : "java.util.List<InstanceMonitoring>",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstancesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instancesSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceMonitoring",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : /*\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/

/*

"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "InstanceMonitoring",
"variableName" : "member",
"variableType" : "InstanceMonitoring",
"documentation" : "",
"simpleType" : "InstanceMonitoring",
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "InstanceMonitoring",
"variableName" : "member",
"variableType" : "InstanceMonitoring",
"documentation" : "",
"simpleType" : "InstanceMonitoring"}
"variableSetterType" : "InstanceMonitoring",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceMonitoring",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceMonitoring",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
"templateType" : "java.util.List<InstanceMonitoring>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceMonitorings",
"setterDocumentation" : "/**<p>The monitoring information.</p>
@param instanceMonitorings The monitoring information.*/",
"setterMethodName" : "setInstanceMonitorings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
  "variableName" : "instanceMonitorings",
  "variableType" : "java.util.List<InstanceMonitoring>",
  "documentation" : "",
  "simpleType" : "List<InstanceMonitoring>",
  "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The monitoring information.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #getInstanceMonitorings(java.util.Collection)} or { @link #withInstanceMonitorings(java.util.Collection)} if you want to override the existing values.</p>
@param instanceMonitorings The monitoring information.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
  "variableName" : "instanceMonitorings",
  "variableType" : "java.util.List<InstanceMonitoring>",
  "documentation" : "<p>The monitoring information.</p>",
  "simpleType" : "List<InstanceMonitoring>",
  "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "MonitorInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "MonitorInstancesResult",
  "variableName" : "monitorInstancesResult",
  "variableType" : "MonitorInstancesResult",
  "documentation" : null,
  "simpleType" : "MonitorInstancesResult",
  "variableSetterType" : "MonitorInstancesResult"
},
"wrapper" : false
},
"Monitoring" : {
  "c2jName" : "Monitoring",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Describes the monitoring of an instance.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "State",
     "c2jShape" : "MonitoringState",
     "deprecated" : false,
     "documentation" : "&lt;p&gt;Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.&lt;/p&gt;",
     "enumType" : "MonitoringState",
     "fluentSetterDocumentation" : "/**&lt;p&gt;Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.&lt;/p&gt;n@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.n@return Returns a reference to this object so that method calls can be chained together.n@see MonitoringState*/",
     "fluentSetterMethodName" : "withState",
     "getterDocumentation" : "/**&lt;p&gt;Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.&lt;/p&gt;n@return Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.&lt;/p&gt;n@see MonitoringState*/"
    }
  ]
}
enabled.\n@see MonitoringState*/

getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
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idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,

"name" : "State",

"setterDocumentation" : "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@see MonitoringState*/",

setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,

"varargSetterDocumentation" : "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.\n@see MonitoringState*/",

variable" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"documentation": "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
"State": {
"c2jName": "State",
"c2jShape": "MonitoringState",
"deprecated": false,
"documentation": "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
"enumType": "MonitoringState",
"fluentSetterDocumentation": "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.\n@see MonitoringState*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/**<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>\n@return Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.\n@see MonitoringState*/",
"getterMethodName": "getState",
"getterModel": {
"returnType": "String",
"documentation": null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "State",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "state",
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
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@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@see MonitoringState*/",
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  "variableName": "state",
  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>
@param state Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see MonitoringState*/",
"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.<p>
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "Monitoring",
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  "resultWrapper": null
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  "variableName": "monitoring",
  "variableType": "Monitoring",
  "documentation": null,
  "simpleType": "Monitoring",
  "variableSetterType": "Monitoring"
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"wrapper": false
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"MonitoringState" : {
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    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
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        "value" : "disabled"
    }, {
        "name" : "Disabling",
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    }, {
        "name" : "Pending",
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    } ],
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    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
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    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "MonitoringState",
    "unmarshaller" : {
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        "resultWrapper" : null
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        "variableName" : "monitoringState",
        "variableType" : "MonitoringState",
        "documentation" : null,
        "simpleType" : "MonitoringState",
        "variableSetterType" : "MonitoringState"
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
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  "documentation" : "<p>Contains the parameters for MoveAddressToVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "MoveAddressToVpc",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "PublicIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Elastic IP address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Elastic IP address.</p>\n@Param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicIp",
    "getterDocumentation" : "/**<p>The Elastic IP address.</p>\n@return The Elastic IP address.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "method" : "POST",
      "requestUri" : "/
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"location": null,
"marshallLocationName": "PublicIp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "publicIp",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.*/",
"setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "<p>The Elastic IP address.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "PublicIp": {
    "c2jName": "PublicIp",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The Elastic IP address.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withPublicIp",
    "getterDocumentation": "/**<p>The Elastic IP address.\n@return The Elastic IP address.*/",
    "getMethodName": "getPublicIp",
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "PublicIp",
    "setterDocumentation": "/**<p>The Elastic IP address.</p>
@param publicIp The Elastic IP address.*/",
    "setterMethodName": "setPublicIp",
    "setterModel": {
      "variableDeclarationType": "String",
      "variableName": "publicIp",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
    "varargSetterDocumentation": "/**<p>The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
      "variableDeclarationType": "String",
      "variableName": "publicIp",
      "variableType": "String",
      "documentation": "<p>The Elastic IP address.</p>",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
  }
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    "c2jShape": "String",
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    "fluentSetterMethodName": "withPublicIp",
    "getterDocumentation": "/**<p>The Elastic IP address.\n@return The Elastic IP address.*/",
    "getMethodName": "getPublicIp",
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "PublicIp",
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@param publicIp The Elastic IP address.*/",
    "setterMethodName": "setPublicIp",
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      "variableName": "publicIp",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
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    "simple": true,
    "varargSetterDocumentation": "/**<p>The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
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      "variableName": "publicIp",
      "variableType": "String",
      "documentation": "<p>The Elastic IP address.</p>",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
  }
}
}

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"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PublicIp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "publicIp",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**<p>The Elastic IP address.\n@param publicIp The Elastic IP address.*/","n
","setterMethodizedName": "setPublicIp",
"setterModel": {
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    "variableName": "publicIp",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": ""*/<p>The Elastic IP address.\n@param publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "publicIp",
    "variableType": "String",
    "documentation": "<p>The Elastic IP address.\n"n",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "PublicIp" ],
"shapeName" : "MoveAddressToVpcRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "MoveAddressToVpcRequest",
  "variableName" : "moveAddressToVpcRequest",
  "variableType" : "MoveAddressToVpcRequest",
  "documentation" : null,
  "simpleType" : "MoveAddressToVpcRequest",
  "variableSetterType" : "MoveAddressToVpcRequest"
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"wrapper" : false
},
"MoveAddressToVpcResult" : {
  "c2jName" : "MoveAddressToVpcResult",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of MoveAddressToVpc.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    { "c2jName" : "AllocationId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The allocation ID for the Elastic IP address.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The allocation ID for the Elastic IP address.</p>**/",
      "fluentSetterMethodName" : "withAllocationId",
      "getterDocumentation" : "/**<p>The allocation ID for the Elastic IP address.</p>**/",
      "getterMethodName" : "getAllocationId",
      "getterModel" : {
        "returnType" : "String",
        "@return" : "Returns a reference to this object so that method calls can be chained together."/**/"
      },
      "hasCustomization" : false,
      "hasFluentSetter" : true,
      "hasGetter" : true,
      "isResponseMember" : true,
      "isVirtualMember" : false,
      "sim一封信" : "AllocationId",
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      "variableType" : "AllocationId"
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  ]
}
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID for the Elastic IP address.</p>
@param allocationId The allocation ID for the Elastic IP address.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allocation ID for the Elastic IP address.</p>
@param allocationId The allocation ID for the Elastic IP address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "<p>The allocation ID for the Elastic IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}
"c2jName" : "Status",
"c2jShape" : "Status",
"deprecated" : false,
"documentation" : "<p>The status of the move of the IP address.</p>",
"enumType" : "Status",
"fluentSetterDocumentation" : "/**<p>The status of the move of the IP address.</p>
@param status The status of the move of the IP address.
@return Returns a reference to this object so that method calls can be chained together.
@see Status*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status of the move of the IP address.</p>
@return The status of the move of the IP address.
@see Status*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the move of the IP address.</p>
@param status The status of the move of the IP address.
@return Returns a reference to this object so that method calls can be chained together.
@see Status*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}.
"simple": true,
"varargSetterDocumentation": "/**<p>The status of the move of the IP address.
@returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "status",
"variableType": "String",
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@param status The
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@param moveStatus The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.
@return Returns a reference
The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.

```java
@see MoveStatus*/
```

The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.

```java
@see MoveStatus*/
```

The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.

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```

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@see MoveStatus*/
```

The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.

```java
@see MoveStatus*/
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    }
  ]
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```

The ID of the VPC in which the NAT gateway is located.

The ID of the VPC in which the NAT gateway is located.

The ID of the VPC in which the NAT gateway is located.

The ID of the VPC in which the NAT gateway is located.

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The ID of the VPC in which the NAT gateway is located.

The ID of the VPC in which the NAT gateway is located.

The ID of the VPC in which the NAT gateway is located.
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  "documentation" : "\n<p>The ID of the NAT gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "\n<p>The date and time the NAT gateway was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The date and time the NAT gateway was created.</p>
@param createTime The date and time the NAT gateway was created\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateTime",
"getterDocumentation" : "/**\n<p>The date and time the NAT gateway was created.</p>
@return The date and time the NAT gateway was created\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getCreateTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
/**
 * The date and time the NAT gateway was created.
 * @param createTime The date and time the NAT gateway was created.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

FluentSetterDocumentation: /*** The date and time the NAT gateway was created.
* @param deleteTime The date and time the NAT gateway was deleted, if applicable.
* @return Returns a reference to this object so that method calls can be chained together.
*/

FluentSetterMethodName: "withDeleteTime",

GetterDocumentation: /*** The date and time the NAT gateway was deleted, if applicable.
* @return
*/

SetterDocumentation: /*** The date and time the NAT gateway was created.
* @param createTime
*/

SetterMethodName: "setCreateTime",

SetterModel: {
  
  "variableDeclarationType": "java.util.Date",
  "variableName": "createTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
}

Simple: true,

VarargSetterDocumentation: /*** The date and time the NAT gateway was created.
* @param createTime The date and time the NAT gateway was created.
* @return Returns a reference to this object so that method calls can be chained together.
*/

VarargSetterMethodName: "withCreateTime",

XmlAttribute: null,

C2JName: "DeleteTime",

C2JShape: "DateTime",

deprecated: false,

documentation: "<p>The date and time the NAT gateway was deleted, if applicable.</p>",

type: "null",

FluentSetterDocumentation: /*** The date and time the NAT gateway was deleted, if applicable.
* @param deleteTime The date and time the NAT gateway was deleted, if applicable.
* @return Returns a reference to this object so that method calls can be chained together.
*/

FluentSetterMethodName: "withDeleteTime",

GetterDocumentation: /*** The date and time the NAT gateway was deleted, if applicable.
* @return
*/
The date and time the NAT gateway was deleted, if applicable.*/",  
"getterMethodName" : "getDeleteTime",  
"getterModel" : {  
"returnType" : "java.util.Date",  
"documentation" : null  
},  
"http" : {  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocationName" : "DeleteTime",  
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "deleteTime",  
"uri" : false  
},  
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "DeleteTime",  
"setterDocumentation" : "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>*/",  
"setterMethodName" : "setDeleteTime",  
"setterModel" : {  
"variableDeclarationType" : "java.util.Date",  
"variableName" : "deleteTime",  
"variableType" : "java.util.Date",  
"documentation" : "",  
"simpleType" : "Date",  
"variableSetterType" : "java.util.Date"  
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>*/",  
"variable" : {  
"variableDeclarationType" : "java.util.Date",  
"variableName" : "deleteTime",  
"variableType" : "java.util.Date",  
"documentation" : "<p>The date and time the NAT gateway was deleted, if applicable.</p>",  
"simpleType" : "Date",  
"variableSetterType" : "java.util.Date"  
}
"variableSetterType" : "java.util.Date",
"xmlNameSpaceUri" : null,
{
"c2jName" : "NatGatewayAddresses",
"c2jShape" : "NatGatewayAddressList",
"deprecated" : false,
"documentation" : "<p>Information about the IP addresses and network interface associated with the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with the NAT gateway.</p>
@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNatGatewayAddresses",
"getterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with the NAT gateway.</p>
@return Information about the IP addresses and network interface associated with the NAT gateway.*/",
"getterMethodName" : "getNatGatewayAddresses",
"getterModel" : {
"returnType" : "java.util.List<NatGatewayAddress>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayAddressSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayAddressSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NatGatewayAddress",
"deprecated" : false,
"documentation" : ""
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "NatGatewayAddress",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": "",
  "simpleType": "NatGatewayAddress",
  "variableSetterType": "NatGatewayAddress"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NatGatewayAddress",
  "variableName": "member",
  "variableType": "NatGatewayAddress",
  "documentation": null
}
Information about the IP addresses and network interface associated with the NAT gateway. 

```java
@<p>Information about the IP addresses and network interface associated with the NAT gateway.

```
"xmlNameSpaceUri" : null
},

"c2jName" : "State",
"c2jShape" : "NatGatewayState",
"deprecated" : false,
"documentation" : ">
The state of the NAT gateway. </p> <ul> <li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </li> <li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </li> <li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </li> <li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </li> <li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </li>

"enumType" : "NatGatewayState",
"fluentSetterDocumentation" : "/**<p>The state of the NAT gateway. </p> <ul> <li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </li> <li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </li> <li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </li> <li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </li> <li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </li>

"getterDocumentation" : "/**<p>The state of the NAT gateway. </p> <ul> <li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </li> <li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </li> <li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </li> <li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </li>

"methodName" : "withState",
"setterDocumentation" : "/**<p>The state of the NAT gateway. </p> <ul> <li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </li> <li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </li> <li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </li> <li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </li>

"type" : "NatGatewayState",
"value" : "NatGatewayState",
"xmlNameSpaceUri" : null
}
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "state",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p> </li> >
@see NatGatewayState*/
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p> </li> </ul>
@param state The state of the NAT gateway.
<ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p> </li> </ul>
@return Returns a reference to this object so that method calls can be chained together.
@see NatGatewayState*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</p> </li> </ul>
,"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FailureCode",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p> ",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> |
@param failureCode If the NAT gateway could not be created, specifies the error code for the failure.


@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code>)</p>*/",
"getterMethodName" : "getFailureCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FailureCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "failureCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FailureCode",
"setterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code>)</p>*/

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>*/

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withFailureCode",
"getterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>*/
"setterMethodName" : "setFailureCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>
@param failureCode If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "FailureMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code. </p> <ul> <li> <p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p> </li> <li> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> </li> <li> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> </li> <li> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> </li> <li> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> </li> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <li> <p>For InsufficientFreeAddressesInSubnet: "Subnet
has insufficient free addresses to create this NAT gateway"</p> <!--li--> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> <!--li--> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> <!--li--> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> <!--li--> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> <!--li--> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <!--li--> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> <!--li--> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> <!--li--> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> <!--li--> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> <!--li--> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <!--li--> <p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p> <!--li--> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> <!--li--> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> <!--li--> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> <!--li--> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> <!--li--> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <!--li--> <p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p> <!--li--> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> <!--li--> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> <!--li--> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> <!--li--> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> <!--li--> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <!--li--> <p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p> <!--li--> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p> <!--li--> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p> <!--li--> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p> <!--li--> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p> <!--li--> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</p> </li> <!--li--> <p>FluentSetterMethodName" : "withFailureMessage",
"getterDocumentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

<ul>
<li>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</li>
<li>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</li>
<li>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</li>
<li>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</li>
<li>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li>
<li>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found."</li>
</ul>

@return Returns a reference to this object so that method calls can be chained together."*/

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocationName": "FailureMessage",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "failureMessage",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "FailureMessage",
"setterDocumentation": "/**
<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p> 
<ul>
<li><p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p></li>
<li><p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p></li>
<li><p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p></li>
<li><p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p></li>
<li><p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p></li>
</ul>
@param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.
*/
", "setterMethodName": "setFailureMessage",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "failureMessage",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p> 
<ul>
<li><p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</p></li>
<li><p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached"</p></li>
<li><p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway"</p></li>
<li><p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated"</p></li>
<li><p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p></li>
</ul>
"/\"*/",
"setterMethodName": "setFailureMessage",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "failureMessage",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found." </li> <li> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached." </li> <li> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway." </li> <li> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated." </li> <li> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again." </li> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found." </li> </ul>
@param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p> <ul> <li> <p>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway." </li> <li> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached." </li> <li> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway." </li> <li> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated." </li> <li> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again." </li> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found." </li> </ul>
documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.

Returns a reference to this object so that method calls can be chained together. */

  "variable" : {
    "variableDeclarationType" : "ProvisionedBandwidth",
    "variableName" : "provisionedBandwidth",
    "variableType" : "ProvisionedBandwidth",
    "documentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html"">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. */

    "simpleType" : "ProvisionedBandwidth",
    "variableSetterType" : "ProvisionedBandwidth"
  },
  "xmlnsSpaceUri" : null
}

"membersAsMap" : {
  "CreateTime" : {
    "c2jName" : "CreateTime",
    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "The date and time the NAT gateway was created. */

    "enumType" : null,
    "fluentSetterDocumentation" : "The date and time the NAT gateway was created. */

    "getterDocumentation" : "The date and time the NAT gateway was created. */

    "getterMethodName" : "getCreateTime",
    "getterModel" : {
      "returnType" : "java.util.Date",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "CreateTime",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "createTime",
      "uri" : false
    }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreateTime",
"setterDocumentation": "/**<p>The date and time the NAT gateway was created.</p>
@param createTime
The date and time the NAT gateway was created.*/",
"setterMethodName": "setCreateTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "createTime",
  "variableType": "java.util.Date",
  "documentation": null,
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The date and time the NAT gateway was created.</p>
@param createTime The date and time the NAT gateway was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "createTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The date and time the NAT gateway was created.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null,

"DeleteTime": {
  "c2jName": "DeleteTime",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The date and time the NAT gateway was deleted, if applicable.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@param deleteTime The date and time the NAT gateway was deleted, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDeleteTime",
  "getterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p>
@return The date and time the NAT gateway was deleted, if applicable.*/",
  "getterMethodName": "getDeleteTime",
  "getterModel": {
    "returnType": "java.util.Date",
    "documentation": null
  }
},

"xmlNameSpaceUri": null
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "DeleteTime",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "deleteTime",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "DeleteTime",  
"setterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p><p>@param deleteTime The date and time the NAT gateway was deleted, if applicable.</p>*/",  
"setterMethodName": "setDeleteTime",  
"setterModel": {  
  "variableDeclarationType": "java.util.Date",  
  "variableName": "deleteTime",  
  "variableType": "java.util.Date",  
  "documentation": "",  
  "simpleType": "Date",  
  "variableSetterType": "java.util.Date"  
},  
"simple": true,  
"varargSetterDocumentation": "/**<p>The date and time the NAT gateway was deleted, if applicable.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"variable": {  
  "variableDeclarationType": "java.util.Date",  
  "variableName": "deleteTime",  
  "variableType": "java.util.Date",  
  "documentation": "<p>The date and time the NAT gateway was deleted, if applicable.</p>",  
  "simpleType": "Date",  
  "variableSetterType": "java.util.Date"  
},  
"xmlNameSpaceUri": null  
},  
"FailureCode": {  
  "c2jName": "FailureCode"}
"c2jShape" : "String",
"deprecation" : false,
"documentation" : 
"If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>

"enumType" : null,

"fluentSetterDocumentation" : 

"If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)

@param failureCode If the NAT gateway could not be created, specifies the error code for the failure.

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : 

"If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)

@return If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)

"getterMethodName" : "getFailureCode",

"getterModel" : {

"returnType" : "String",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "FailureCode",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "failureCode",

"uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FailureCode",
"setterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>
@param failureCode If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)*/",
"setterMethodName" : "setFailureCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>
@param failureCode If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "failureCode",
  "variableType" : "String",
  "documentation" : "<p>If the NAT gateway could not be created, specifies the error code for the failure. (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FailureMessage" : {
  "c2jName" : "FailureMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>If the NAT gateway could not be created, specifies the error message for the failure, (<code>InsufficientFreeAddressesInSubnet</code> | <code>Gateway.NotAttached</code> | <code>InvalidAllocationID.NotFound</code> | <code>Resource.AlreadyAssociated</code> | <code>InternalError</code> | <code>InvalidSubnetID.NotFound</code>)</p>"}
that corresponds to the error code.</p> 

```xml
<ui>
<li>
<p>
For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."</p>
</li>
<li>
<p>
For Gateway.NotAttached: "Network vpc-xxxxxxx has no Internet gateway attached."</p>
</li>
<li>
<p>
For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."</p>
</li>
<li>
<p>
For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxx is already associated."</p>
</li>
<li>
<p>
For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</p>
</li>
</ul>
```

```xml
@enumType : null,

"fluentSetterDocumentation" : "**If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.**

- For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."
- For Gateway.NotAttached: "Network vpc-xxxxxxx has no Internet gateway attached."
- For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxx is already associated."
- For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

@failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

@Return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

- For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway."
- For Gateway.NotAttached: "Network vpc-xxxxxxx has no Internet gateway attached."
- For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway."
- For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxx is already associated."
- For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."

@Return If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.

"getterModel" : 
```
"returnType" : "String",
"documentation" : null
",
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "FailureMessage",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "failureMessage",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FailureMessage",
"setterDocumentation" : "/**<p>If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>
<ul>
    <li>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</li>
    <li>For Gateway.NotAttached: "Network vpc-xxxxx has no Internet gateway attached"</li>
    <li>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxx could not be associated with this NAT gateway"</li>
    <li>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxx is already associated"</li>
    <li>For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li>
    <li>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxx does not exist or could not be found."
</ul>
@param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.</p>
<ul>
    <li>For InsufficientFreeAddressesInSubnet: "Subnet has insufficient free addresses to create this NAT gateway"</li>
    <li>For Gateway.NotAttached: "Network vpc-xxxxx has no Internet gateway attached"</li>
    <li>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxx could not be associated with this NAT gateway"</li>
    <li>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxx is already associated"</li>
    <li>For InternalError: "Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again."</li>
    <li>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxx does not exist or could not be found."
</ul>
*/",
"setterMethodName" : "setFailureMessage",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "failureMessage",
    "variableType" : "String",
    "documentation" : "**"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\* If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.\n\</p> <ul> 
\li For InsufficientFreeAddressesInSubnet: \"Subnet has insufficient free addresses to create this NAT gateway\"\</p> <li For Gateway.NotAttached: \"Network vpc-xxxxxx has no Internet gateway attached\"\</p> <li For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"\</p> <li For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"\</p> <li For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"\</p> \</li> <li>\</p> <li For InsufficientFreeAddressesInSubnet: \"Subnet has insufficient free addresses to create this NAT gateway\"\</p> <li For Gateway.NotAttached: \"Network vpc-xxxxxx has no Internet gateway attached\"\</p> <li For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"\</p> <li For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"\</p> <li For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"\</p> \</li> \</ul> 
\</li> <li>@param failureMessage If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.\</p> <ul> 
\li For InsufficientFreeAddressesInSubnet: \"Subnet has insufficient free addresses to create this NAT gateway\"\</p> 
\li For Gateway.NotAttached: \"Network vpc-xxxxxx has no Internet gateway attached\"\</p> 
\li For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"\</p> 
\li For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"\</p> 
\li For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"\</p> \</li> \</ul> 
\</li> \</ul> 
\</li> \</ul> 
\} 

"variable" : { 
    "variableDeclarationType" : "String",
    "variableName" : "failureMessage",
    "variableType" : "String",
    "documentation" : "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.\</p> <ul> 
\li For InsufficientFreeAddressesInSubnet: \"Subnet has insufficient free addresses to create this NAT gateway\"\</p> 
\li For Gateway.NotAttached: \"Network vpc-xxxxxx has no Internet gateway attached\"\</p> 
\li For InvalidAllocationID.NotFound: \"Elastic IP address eipalloc-xxxxxxx could not be associated with this NAT gateway\"\</p> 
\li For Resource.AlreadyAssociated: \"Elastic IP address eipalloc-xxxxxxx is already associated\"\</p> 
\li For InternalError: \"Network interface eni-xxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"\</p> \</li> \</ul> 
\</li> \</ul> 
\} 

"NatGatewayAddresses" : { 
    "c2jName" : "NatGatewayAddresses",
    "c2jShape" : "NatGatewayAddressList",
    "deprecated" : false,
    "documentation" : "Information about the IP addresses and network interface associated with the NAT gateway.\</p> 
    "enumType" : null,
    "fluentSetterDocumentation" : "Information about the IP addresses and network interface associated
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "NatGatewayAddress",
"variableName" : "member",
"variableType" : "NatGatewayAddress",
"documentation" : "",
"simpleType" : "NatGatewayAddress",
"variableSetterType" : "NatGatewayAddress"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "NatGatewayAddress",
"variableName" : "member",
"variableType" : "NatGatewayAddress",
"documentation" : "",
"simpleType" : "NatGatewayAddress",
"variableSetterType" : "NatGatewayAddress"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NatGatewayAddress",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NatGatewayAddress",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
"templateType" : "java.util.List<NatGatewayAddress>"
},
"map" : false,
"mapModel" : null,
"name" : "NatGatewayAddresses",
"setterDocumentation" : "/**<p>Information about the IP addresses and network interface associated with the
NAT gateway.</p>
@param natGatewayAddresses Information about the IP addresses and network interface
associated with the NAT gateway.*/",
"setterMethodName" : "setNatGatewayAddresses",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
"variableName" : "natGatewayAddresses",
"variableType" : "java.util.List<NatGatewayAddress>",
"documentation" : "",
"simpleType" : "List<NatGatewayAddress>",
"variableSetterType" : "java.util.Collection<NatGatewayAddress>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IP addresses and network interface associated
with the NAT gateway.</p>

NOTE: This method appends the values to the existing list (if any). Use
 {@link #setNatGatewayAddresses(java.util.Collection)} or
 {@link #withNatGatewayAddresses(java.util.Collection)} if you want to override the existing values.

@param natGatewayAddresses Information about the IP addresses and network interface associated with the NAT
gateway.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NatGatewayAddress>",
"variableName" : "natGatewayAddresses",
"variableType" : "java.util.List<NatGatewayAddress>",
"documentation" : "Information about the IP addresses and network interface associated with the NAT
gateway.

"simpleType" : "List<NatGatewayAddress>",
"variableSetterType" : "java.util.Collection<NatGatewayAddress>"
},
"xmlNameSpaceUri" : null
},
"NatGatewayId" : {
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the NAT gateway.

@"",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the NAT gateway.

@\n@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withNatGatewayId",
"getterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
  \n@return The ID of the NAT gateway.*/",
"getterMethod Name" : "getNatGatewayId",
"getterModel" : { 
  "returnType" : "String",
  "documentation" : null
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "natGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
  \n@param natGatewayId The ID of the
NAT gateway.*/",
"setterMethod Name" : "setNatGatewayId",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the NAT gateway.</p>
  \n@param natGatewayId The ID of the
NAT gateway;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : { 
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the NAT gateway.</p>",
  "simpleType" : "String"}
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProvisionedBandwidth",
"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>
@param provisionedBandwidth Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
"setterMethodName" : "setProvisionedBandwidth",
"setterModel" : {
    "variableDeclarationType" : "ProvisionedBandwidth",
    "variableName" : "provisionedBandwidth",
    "variableType" : "ProvisionedBandwidth",
    "documentation" : "",
    "simpleType" : "ProvisionedBandwidth",
    "variableSetterType" : "ProvisionedBandwidth"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>
@param provisionedBandwidth Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ProvisionedBandwidth",
    "variableName" : "provisionedBandwidth",
    "variableType" : "ProvisionedBandwidth",
    "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
    "simpleType" : "ProvisionedBandwidth",
    "variableSetterType" : "ProvisionedBandwidth"
},
"xmlNameSpaceUri" : null
},
"State" : {
    "c2jName" : "State",
    "c2jShape" : "NatGatewayState",
    "deprecated" : false,
    "documentation" : "<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</p> </li>
<code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.  

<code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.

"enumType": "NatGatewayState",

"fluentSetterDocumentation": "/*\n<p>The state of the NAT gateway.</p>
<ul>
<li><code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li><code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li><code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li><code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li><code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>*/

@see NatGatewayState*/

"getterMethodName": "getState",

"getterDocumentation": "/*\n<p>The state of the NAT gateway.</p>
<ul>
<li><code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li>
<li><code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li>
<li><code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li>
<li><code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li>
<li><code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li>
</ul>*/

@see NatGatewayState*/

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </p> </li> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </p> </li> </ul>
@param state The state of the NAT gateway.*/

"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the NAT gateway.</p> <ul> <li> <p> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic. </p> </li> <li> <p> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason. </p> </li> <li> <p> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway. </p> </li> <li> <p> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic. </p> </li> <li> <p> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic. </p> </li> </ul>
@param state The state of the NAT gateway.*/

"varargSetterMethodName" : "setStateForNats",
<p>The state of the NAT gateway. The state can be one of the following values:</p> <ul> <li> <code>pending</code>: The NAT gateway is being created and is not ready to process traffic.</li> <li> <code>failed</code>: The NAT gateway could not be created. Check the <code>failureCode</code> and <code>failureMessage</code> fields for the reason.</li> <li> <code>available</code>: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.</li> <li> <code>deleting</code>: The NAT gateway is in the process of being terminated and may still be processing traffic.</li> <li> <code>deleted</code>: The NAT gateway has been terminated and is no longer processing traffic.</li> </ul> <p>@return Returns a reference to this object so that method calls can be chained together.</p>
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n*p> The ID of the subnet in which the NAT gateway is located. </p>
@param subnetId The ID of the subnet in which the NAT gateway is located. */",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p> The ID of the subnet in which the NAT gateway is located. </p>
@param subnetId The ID of the subnet in which the NAT gateway is located. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet in which the NAT gateway is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC in which the NAT gateway is located.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The ID of the VPC in which the NAT gateway is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
located.<p>@param vpcId The ID of the VPC in which the NAT gateway is located.<br/>&lt;/p&gt;&lt;p&gt;The ID of the VPC in which the NAT gateway is located.&lt;/p&gt;&lt;returns&gt;A reference to this object so that method calls can be chained together.&lt;/returns&gt;

    "fluentSetterMethodName" : "withVpcId",
    "getterDocumentation" : "/**&lt;p&gt;The ID of the VPC in which the NAT gateway is located.&lt;/p&gt;&lt;/returns&gt;",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "vpcId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VpcId",
    "setterDocumentation" : "/**&lt;p&gt;The ID of the VPC in which the NAT gateway is located.&lt;/p&gt;&lt;/returns&gt;",
    "setterMethodName" : "setVpcId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargsSetterDocumentation" : "/**&lt;p&gt;The ID of the VPC in which the NAT gateway is located.&lt;/p&gt;&lt;/returns&gt;A reference to this object so that method calls can be chained together.&lt;/returns&gt;",
    "variable" : {
        "variableDeclarationType" : "String",

"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC in which the NAT gateway is located.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "NatGateway",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "NatGateway",
"variableName" : "natGateway",
"variableType" : "NatGateway",
"documentation" : null,
"simpleType" : "NatGateway",
"variable SetterType" : "NatGateway"
},
"wrapper" : false
},
"NatGatewayAddress" : {
"c2jName" : "NatGatewayAddress",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the IP addresses and network interface associated with a NAT gateway.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "PublicIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Elastic IP address associated with the NAT gateway.",
"enumType" : null,
"fluentSetterDocumentation" : "The Elastic IP address associated with the NAT gateway.
@param
publicIp The Elastic IP address associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withPublicIp",
"getterDocumentation" : "The Elastic IP address associated with the NAT gateway.
@return The Elastic IP address associated with the NAT gateway.
",
"getterMethodName" : "getPublicIp",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "The Elastic IP address associated with the NAT gateway.
@param
publicIp The Elastic IP address associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setPublicIp",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "publicIp",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The Elastic IP address associated with the NAT gateway.
@param
publicIp The Elastic IP address associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.
"
that method calls can be chained together.*"},
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "<p>The Elastic IP address associated with the NAT gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
 * The allocation ID of the Elastic IP address that's associated with the
 * NAT gateway.
 */

 * @param allocationId The allocation ID of the Elastic IP address that's associated with the NAT
 * gateway.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
    "fluentSetterMethodName" : "withAllocationId",
    "getterDocumentation" : "/**
 * The allocation ID of the Elastic IP address that's associated with the NAT
 * gateway.
 *
 * @return The allocation ID of the Elastic IP address that's associated with the NAT gateway.
 */",
    "getterMethodName" : "getAllocationId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AllocationId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "allocationId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID of the Elastic IP address that's associated with the NAT
gateway.</p>\n@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT
gateway. */",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allocation ID of the Elastic IP address that's associated with the
NAT gateway.</p>
@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT
gateway.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "The allocation ID of the Elastic IP address that's associated with the NAT
gateway.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null},
{ "c2jName" : "PrivateIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IP address associated with the Elastic IP address.</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IP address associated with the Elastic IP
address.</p>
@param privateIp The private IP address associated with the Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPrivateIp",
"getterDocumentation" : "/**<p>The private IP address associated with the Elastic IP address.</p>
",
"getterMethodName" : "getPrivateIp",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIp",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIp",
"setterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
@param privateIp The private IP address associated with the Elastic IP address.</p>*/",
"setterMethodName": "setPrivateIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
@param privateIp The private IP address associated with the Elastic IP address.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateIp",
  "variableType": "String",
  "documentation": "<p>The private IP address associated with the Elastic IP address.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the network interface associated with the NAT gateway.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the network interface associated with the NAT"}
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface associated with the NAT gateway.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
},
"membersAsMap" : {
"AllocationId" : {
"c2jName" : "AllocationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>
@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>
@return The allocation ID of the Elastic IP address that's associated with the NAT gateway.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId"
"setterDocumentation" : "/** <p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>
@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p> */",
"setterMethodName" : "setAllocationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "allocationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>
@param allocationId The allocation ID of the Elastic IP address that's associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "allocationId",
    "variableType" : "String",
    "documentation" : "<p>The allocation ID of the Elastic IP address that's associated with the NAT gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface associated with the NAT gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The ID of the network interface associated with the NAT gateway.</p>
@param networkInterfaceId The ID of the network interface associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/** <p>The ID of the network interface associated with the NAT gateway.</p>",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
{"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface associated with the NAT gateway.</p>
@param networkInterfaceId The ID of the network interface associated with the NAT gateway.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface associated with the NAT gateway.</p>
@param networkInterfaceId The ID of the network interface associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface associated with the NAT gateway.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNamespaceUri": null
},
"PrivateIp": {
  "c2jName": "PrivateIp",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The private IP address associated with the Elastic IP address.</p>",
  "enumType": null,
The private IP address associated with the Elastic IP address.

**getterDocumentation**:

```java
/**
 * The private IP address associated with the Elastic IP address.
 * @return The private IP address associated with the Elastic IP address.
 */
```

**getterMethodName**:

`getPrivateIp`

**getterModel**:

```java
{
    "returnType": "String",
    "documentation": null
}
```

**http**:

```java
{
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrivateIp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "privateIp",
    "uri": false
}
```

**idempotencyToken**:

false

**list**:

false

**listModel**:

null

**map**:

false

**mapModel**:

null

**name**:

"PrivateIp"

**setterDocumentation**:

```java
/**
 * The private IP address associated with the Elastic IP address.
 * @param privateIp The private IP address associated with the Elastic IP address.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**setterMethodName**:

`withPrivateIp`

**setterModel**:

```java
{
    "variableDeclarationType": "String",
    "variableName": "privateIp",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
}
```

**simple**:

true

**varargSetterDocumentation**:

```java
/**
 * The private IP address associated with the Elastic IP address.
 * @param privateIp The private IP address associated with the Elastic IP address.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**variable**:

```java
{
    "fluentSetterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
    @param privateIp The private IP address associated with the Elastic IP address.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withPrivateIp",
    "getterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
    @return The private IP address associated with the Elastic IP address.</p>
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName": "getPrivateIp",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    }
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PrivateIp",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "privateIp",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIp",
"setterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
    @param privateIp The private IP address associated with the Elastic IP address.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName": "setPrivateIp",
    "setterModel": {
        "variableDeclarationType": "String",
        "variableName": "privateIp",
        "variableType": "String",
        "documentation": "",
        "simpleType": "String",
        "variableSetterType": "String"
    }
},
"simple": true,
"varargSetterDocumentation": "/**<p>The private IP address associated with the Elastic IP address.</p>
    @param privateIp The private IP address associated with the Elastic IP address.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable": {
```
"variableDeclarationType" : "String",
"variableName" : "privateIp",
"variableType" : "String",
"documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PublicIp" : {
"c2jName" : "PublicIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Elastic IP address associated with the NAT gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>
@param publicIp The Elastic IP address associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together. */
",
"fluentSetterMethodName" : "withPublicIp",
"getterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>\n@return The Elastic IP address associated with the NAT gateway. */",
"getterMethodName" : "getPublicIp",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicIp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
"setterDocumentation" : "/**<p>The Elastic IP address associated with the NAT gateway.</p>\n@param publicIp The Elastic IP address associated with the NAT gateway.
@return Returns a reference to this object so that method calls can be chained together. */
",
"setterMethodName" : "setPublicIp",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
publicIp The Elastic IP address associated with the NAT gateway.*/

/**
* The Elastic IP address associated with the NAT gateway.
* @param publicIp The Elastic IP address associated with the NAT gateway.
* @return Returns a reference to this object so that method calls can be chained together.*/

private String publicIp;

public String getPublicIp() {
    return publicIp;
}

public void setPublicIp(String publicIp) {
    this.publicIp = publicIp;
}

private String variableName;
private String variableType;
private String documentation;
private String simpleType;
private String variableSetterType;

public class NatGatewayAddress {
    private String publicIp;
    public String getPublicIp() {
        return publicIp;
    }
    public void setPublicIp(String publicIp) {
        this.publicIp = publicIp;
    }
}

public class NatGatewayState {
    private String c2jName;
    private String documentation;
    private String simpleType;
    private String variableSetterType;

    private Customization customization;
    private Marshaller unmarshaller;

    private boolean requestSignerAware;
    private String requestSignerClassFqcn;
    private boolean required;
    private String namespaceUri;
    private boolean wrapper;

    public class Customization {
        private boolean artificialResultWrapper;
        private boolean skipGeneratingMarshaller;
    }
}

public class NatGatewayAddressMarshaller {
    private Marshaller unmarshaller;
    private boolean requestSignerAware;
    private String requestSignerClassFqcn;
    private boolean required;
    private String namespaceUri;
    private boolean wrapper;

    public class Customization {
        private boolean artificialResultWrapper;
        private boolean skipGeneratingMarshaller;
    }
}
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false 
},
"deprecated" : false,
"documentation" : "",
"enums" : [ 
  { 
    "name" : "Pending",
    "value" : "pending"
  },
  { 
    "name" : "Failed",
    "value" : "failed"
  },
  { 
    "name" : "Available",
    "value" : "available"
  },
  { 
    "name" : "Deleting",
    "value" : "deleting"
  },
  { 
    "name" : "Deleted",
    "value" : "deleted"
  } ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NatGatewayState",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "NatGatewayState",
  "variableName" : "natGatewayState",
  "variableType" : "NatGatewayState",
  "documentation" : null,
  "simpleType" : "NatGatewayState",
  "variableSetterType" : "NatGatewayState"
},
"wrapper" : false
},
"NetworkAcl" : {


"c2jName" : "NetworkAcl",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes a network ACL."
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
    {
        "c2jName" : "NetworkAclId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The ID of the network ACL.

@returns The ID of the network ACL.

@type String"
    }
],
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NetworkAclId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "networkAclId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the
network ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network ACL.</p>@param networkAclId The ID of the
network ACL.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkAclId",
"variableType" : "String",
"documentation" : "<p>The ID of the network ACL.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>@param vpcId The ID of the
VPC for the network ACL.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC for the network ACL.</p>@return The ID of the VPC
for the network ACL.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for the network ACL.
\n@\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for the network ACL.
\n@\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC for the network ACL.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is the default network ACL for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the"
VPC.

- **@param** isDefault Indicates whether this is the default network ACL for the VPC.
- **@return** Returns a reference to this object so that method calls can be chained together.

```java
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the VPC.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Default",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "default",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsDefault",
"setterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the VPC.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName" : "setIsDefault",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is the default network ACL for the VPC.<p>
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
```
"variableName" : "isDefault",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this is the default network ACL for the VPC.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "Entries",
"c2jShape" : "NetworkAclEntryList",
"deprecated" : false,
"documentation" : "<p>One or more entries (rules) in the network ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more entries (rules) in the network ACL.</p>
@param entries
One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEntries",
"getterDocumentation" : "/**
<p>One or more entries (rules) in the network ACL.</p>
@return One or more entries (rules) in the network ACL.*/",
"getterMethodName" : "getEntries",
"getterModel" : {
"returnType" : "java.util.List<NetworkAclEntry>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EntrySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "entrySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NetworkAclEntry",
"deprecated" : false,
**documentation**: 

```
/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*
*/
```

**fluentSetterMethodName**: "withMember",

**fluentSetterDocumentation**: "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*
*/",

**getterMethodName**: "getMember",

**getterModel**: {
  **returnType**: "NetworkAclEntry",
  **documentation**: null
},

**http**: {
  **additionalMarshallingPath**: null,
  **additionalUnmarshallingPath**: null,
  **flattened**: false,
  **greedy**: false,
  **header**: false,
  **isPayload**: false,
  **isStreaming**: false,
  **location**: null,
  **marshallLocationName**: "Item",
  **queryString**: false,
  **statusCode**: false,
  **unmarshallLocationName**: "item",
  **uri**: false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "Member",

**setterMethodName**: "setMember",

**setterModel**: {
  **variableDeclarationType**: "NetworkAclEntry",
  **variableName**: "member",
  **variableType**: "NetworkAclEntry",
  **documentation**: "",
  **simpleType**: "NetworkAclEntry",
  **variableSetterType**: "NetworkAclEntry"
},

**simple**: false,

**varargSetterDocumentation**: "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*
*/",

**variable**: {
  **variableDeclarationType**: "NetworkAclEntry",
  **variableName**: "member",
  **variableType**: "NetworkAclEntry",
  **documentation**: "",
  **simpleType**: "NetworkAclEntry",
  **variableSetterType**: "NetworkAclEntry"
}"
"variableType" : "NetworkAclEntry",
"documentation" : "",
"simpleType" : "NetworkAclEntry",
"variableSetterType" : "NetworkAclEntry"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkAclEntry",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkAclEntry",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
"templateType" : "java.util.List<NetworkAclEntry>"
},
"map" : false,
"mapModel" : null,
"name" : "Entries",
"setterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.*/",
"setterMethodName" : "setEntries",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more entries (rules) in the network ACL.</p>
@param entries One or more entries (rules) in the network ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkAclEntry>",
  "variableName" : "entries",
  "variableType" : "java.util.List<NetworkAclEntry>",
  "documentation" : "<p>One or more entries (rules) in the network ACL.</p>",
  "simpleType" : "List<NetworkAclEntry>",
  "variableSetterType" : "java.util.Collection<NetworkAclEntry>"
},
"xmlNameSpaceUri" : null
"getterModel" : {
  "returnType" : "NetworkAclAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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* @param tags Any tags assigned to the network ACL.
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* @return Returns a reference to this object so that method calls can be chained together.
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  * @return Returns a reference to this object so that method calls can be chained together.
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* @return Returns a reference to this object so that method calls can be chained together.
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* Any associations between the network ACL and one or more subnets
* @return Any associations between the network ACL and one or more subnets
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  "getterModel": null,
  "documentation": "Any associations between the network ACL and one or more subnets
  * @return Any associations between the network ACL and one or more subnets
  * @return Returns a reference to this object so that method calls can be chained together.
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* Any associations between the network ACL and one or more subnets
* @param associations Any associations between the network ACL and one or more subnets
* @return Returns a reference to this object so that method calls can be chained together.
*/
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    "uri": false
  }
},

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  "variableSetterType" : "NetworkAclEntry"
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   "variableSetterType" : "Boolean"
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  "isStreaming" : false,
  "location" : null,
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@return Returns a reference to this object so that method calls can be chained together."*/",
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@return Returns a reference to this object so that method calls can be chained together."*/",
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"documentation" : "",
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"variableSetterType" : "java.util.Collection<Tag>"
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"simple" : false,
"varargSetterDocumentation" : "/**\nAny tags assigned to the network ACL.*/
\n@param tags Any tags assigned to the network ACL.*/
\n@\n\nNOTE: This method appends the values to the existing list (if any). Use \{@link #setTags(java.util.Collection)\} or \{@link #withTags(java.util.Collection)\} if you want to override the existing values.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  @return Returns a reference to this object so that method calls can be chained together.
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  "documentation" : "<p>The ID of the subnet.</p>
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  @return Returns a reference to this object so that method calls can be chained together.
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  "getterDocumentation" : "/**\n**\n@\nreturn\nThe\nID\nof\nthe\nsubnet.\n*/",
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  "listModel" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "deprecated" : false,
  "documentation" : "<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>*/
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@<p><@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withRuleNumber",
  "getterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>*/
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"returnType" : "String",
"documentation" : null
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"setterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p><p>@param protocol The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.</p><p>
@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
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  "variableType" : "String",
  "documentation" : "/",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p><p>@param protocol The protocol. A value of <code>-1</code> means all protocols.</p><p>
@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
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  "variableType" : "String",
  "documentation" : "<p>The protocol. A value of <code>-1</code> means all protocols.</p>
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  "documentation": "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "simpleType": "String",
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"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@param egress Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withEgress",
  "getterDocumentation": "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>\n@return Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).*/",
  "getterMethodName": "getEgress",
  "getterModel": {
    "returnType": "Boolean",
    "documentation": null
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    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "egress",
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"mapModel" : null,
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"setterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>
@param egress Indicates whether the rule is an egress rule (applied to traffic leaving the subnet). */",
"setterMethodName" : "setEgress",
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>
@param egress Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).
@return Returns a reference to this object so that method calls can be chained together. */",
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  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@return The IPv4 network range to allow or deny, in CIDR notation. */",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrBlock",
"setterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@param
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"setterMethodName": "setCidrBlock",
"setterModel": {
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"varargSetterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation.
\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.\n@returns Returns a reference to this object so that method calls can be chained together."*/",
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  "variableType": "String",
  "documentation": "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>"}
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  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"c2jShape" : "IcmpTypeCode",
"deprecated" : false,
"documentation" : "<p>ICMP protocol: The ICMP type and code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@return ICMP protocol: The ICMP type and code.*/",
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
  "returnType" : "IcmpTypeCode",
  "documentation" : null
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  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
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"list" : false,
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"map" : false,
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"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param
icmpTypeCode ICMP protocol: The ICMP type and code.
@return Returns a reference to this object so that method calls can be chained together.*/"
ICMP protocol: The ICMP type and code.*/",
    "setterMethodName" : "setIcmpTypeCode",
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    "varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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        "documentation" : "<p>ICMP protocol: The ICMP type and code.</p>
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    "variableSetterType" : "IcmpTypeCode"
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    "c2jShape" : "PortRange",
    "deprecated" : false,
    "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPortRange",
    "getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@return TCP or UDP protocols: The range of ports the rule applies to.*/",
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    "getterModel" : {
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        "documentation" : null
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        "greedy" : false,
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        "isPayload" : false,
        "isStreaming" : false,
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"statusCode": false,
"unmarshallLocationName": "portRange",
"uri": false
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"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "PortRange",
"setterDocumentation": "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param
portRange TCP or UDP protocols: The range of ports the rule applies to. */",

"setterMethodName": "setPortRange",
"setterModel": {
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  "variableName": "portRange",
  "variableType": "PortRange",
  "documentation": "",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
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"simple": false,
"varargSetterDocumentation": "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together. */",

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  "variableType": "PortRange",
  "documentation": "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
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"xmlNameSpaceUri": null
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@returns a reference to this object so that method calls can be chained together. */",

  "variable": {
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    "variableName": "cidrBlock",
    "variableType": "CidrBlock",
    "documentation": "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
    "simpleType": "CidrBlock",
    "variableSetterType": "CidrBlock"
  }
}
The IPv4 network range to allow or deny, in CIDR notation.

"getterMethodName" : "getCidrBlock",
"getterModel" : {
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    "documentation" : null
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"http" : {
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    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "cidrBlock",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation.</p>
\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String"}
"documentation" : "The IPv4 network range to allow or deny, in CIDR notation.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "Boolean",
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"enumType" : null,
"fluentSetterDocumentation" : "Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).",
"getterDocumentation" : "Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).",
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"documentation" : null
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"mapModel" : null,
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"setterMethodName" : "setEgress",
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"documentation" : "Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).",
"enumType" : null,
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"getterDocumentation" : "Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).",
"getterMethodName" : "getEgress",
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"documentation" : null
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"map" : false,
"mapModel" : null,
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "egress",
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"listModel" : null,
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
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"simpleType" : "Boolean",
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"deprecated" : false,
"documentation" : "<p>ICMP protocol: The ICMP type and code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* ICMP protocol: The ICMP type and code.\n*\n* @param icmpTypeCode ICMP protocol: The ICMP type and code.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/**\n* ICMP protocol: The ICMP type and code.\n*\n* @return ICMP protocol: The ICMP type and code.*/",
"getterMethodName" : "getIcmpTypeCode",
"getterModel" : {
"returnType" : "IcmpTypeCode",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "icmpTypeCode",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param icmpTypeCode ICMP protocol: The ICMP type and code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIcmpTypeCode",
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  "variableType" : "IcmpTypeCode",
  "documentation" : "",
  "simpleType" : "IcmpTypeCode",
  "variableSetterType" : "IcmpTypeCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP type and code.</p>
@param
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "IcmpTypeCode",
  "documentation" : "<p>ICMP protocol: The ICMP type and code.</p>
  "simpleType" : "IcmpTypeCode",
  "variableSetterType" : "IcmpTypeCode"
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"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
  "c2jName" : "Ipv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>
  "enumType" : null,
  "fluuentSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation.</p>
  "return Returns a reference to this object so that method calls can be chained together.*/",
  "fluuentSetterMethodName" : "withIpv6CidrBlock",
  "getterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation.</p>
  "return"}
The IPv6 network range to allow or deny, in CIDR notation.

```javascript
/*
* The IPv6 network range to allow or deny, in CIDR notation.
*
* @param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation.
* @returns Returns a reference to this object so that method calls can be chained together.
*/
```

```javascript
getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlock",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/*<p>The IPv6 network range to allow or deny, in CIDR notation.</p>\n@param
ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
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    "variableName" : "ipv6CidrBlock",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "",
    "simpleSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The IPv6 network range to allow or deny, in CIDR notation.</p>\n@param
ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>",
    "simpleType" : "String",
```
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"PortRange" : {
  "c2jName" : "PortRange",
  "c2jShape" : "PortRange",
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPortRange",
  "getterDocumentation" : "/**\<p>TCP or UDP protocols: The range of ports the rule applies to.</p>\n@return TCP or UDP protocols: The range of ports the rule applies to.*/",
  "getterMethodName" : "getPortRange",
  "getterModel" : {
    "returnType" : "PortRange",
    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "portRange",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PortRange",
  "setterDocumentation" : "/**\<p>TCP or UDP protocols: The range of ports the rule applies to.\n@param portRange TCP or UDP protocols: The range of ports the rule applies to.\n*/",
  "setterMethodName" : "setPortRange",
  "setterModel" : {
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"documentation" : "",
"simpleType" : "PortRange",
"variableSetterType" : "PortRange"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "PortRange",
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"variableType" : "PortRange",
"documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
"simpleType" : "PortRange",
"variableSetterType" : "PortRange"
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},
"Protocol" : {
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The protocol. A value of <code>-1</code> means all protocols.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProtocol",
"getterDocumentation" : "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@return The protocol. A value of <code>-1</code> means all protocols.*/",
"getterMethodName" : "getProtocol",
"getterModel" : {

"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshalLocationName": "protocol",
"uri": false
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"map": false,
"mapModel": null,
"name": "Protocol",
"setterDocumentation": "/**<p>The protocol. A value of <code>-1</code> means all protocols.</p>
@param protocol The protocol. A value of <code>-1</code> means all protocols.*/",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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@param protocol The protocol. A value of <code>-1</code> means all protocols.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType": "String",
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"RuleAction": {
  "c2jName": "RuleAction",
  "c2jShape": "RuleAction",
  "deprecated": false,
  "documentation": "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "enumType": "RuleAction",
  "fluentSetterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@return Returns a reference to this object so that method calls can be chained together.\n@see RuleAction*/",
  "fluentSetterMethodName": "withRuleAction",
  "getterDocumentation": "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n@return Indicates whether to allow or deny the traffic that matches the rule.\n@see RuleAction*/",
  "getterMethodName": "getRuleAction",
  "getterModel": {

"returnType" : "String",
"documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RuleAction",
    "queryString" : false,
    "statusCode" : false,
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    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**\nIndicates whether to allow or deny the traffic that matches the rule.\n\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n\n@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
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    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates whether to allow or deny the traffic that matches the rule.\n\n@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see RuleAction*/",
"variable" : {
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    "variableName" : "ruleAction",
    "variableType" : "String",
    "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>\n\n<p>\n@see RuleAction*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"RuleNumber" : {
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.\n@param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.\n@return The rule number for the entry. ACL entries are processed in ascending order by rule number.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleNumber",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.\n@param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.*/",
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"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "ruleNumber",
"variableType" : "Integer",
"documentation" : "",
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"variableSetterType" : "Integer"
},
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"varargSetterDocumentation" : "/**\n* The rule number for the entry. ACL entries are processed in ascending order by rule number.\n*\n* @param ruleNumber The rule number for the entry. ACL entries are processed in ascending order by rule number.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The rule number for the entry. ACL entries are processed in ascending order by rule number.</p>",
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"variableSetterType" : "Integer"
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"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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"resultWrapper" : null
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"variable" : {
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"variableName" : "networkAclEntry",
"variableType" : "NetworkAclEntry",
"documentation" : null,
"simpleType" : "NetworkAclEntry",
"variableSetterType" : "NetworkAclEntry"
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"wrapper" : false
},
"NetworkInterface" : {
"c2jName" : "NetworkInterface",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Describes a network interface.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**\n*p> The ID of the network interface.\n*\n@param networkInterfaceId The ID of
the network interface. */",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p> The ID of the network interface.\n*\n@param networkInterfaceId The
ID of the network interface.\n*\n@return Returns a reference to this object so that method calls can be chained
together. */",
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "\\p> The ID of the network interface.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SubnetId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "p> The ID of the subnet.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p> The ID of the subnet.\n*\n@param subnetId The ID of the
subnet.\n*\n@return Returns a reference to this object so that method calls can be chained
together. */",
  "fluentSetterMethodName" : "withSubnetId",
  "getterDocumentation" : "/**\n*p> The ID of the subnet.\n*\n@return The ID of the subnet. */",
  "getterMethodName" : "getSubnetId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*="/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
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  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
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"documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
\n@\n\n@param vpcId The ID of the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsSpaceUri" : null
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"c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>The Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone.</p><ul><li><strong>@param availabilityZone</strong> The Availability Zone.</li></ul>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone.</p><ul><li><strong>@return</strong> The Availability Zone.</li></ul>
@getterMethod"
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"http" : {
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"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
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"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone.</p><ul><li><strong>@param availabilityZone</strong> The Availability Zone.</li></ul>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
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"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone.</p><ul><li><strong>@param availabilityZone</strong> The Availability Zone.</li></ul>
@returns Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "<p>A description.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**
@return A description.</p>\n@return A description.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "<p>The Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * A description.
 */
//"@param description A description.\n@return

Returns a reference to this object so that method calls can be chained together.*\n",
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"variableType" : "String",
"documentation" : "<p>A description.</p>",
"simpleType" : "String",
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"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The AWS account ID of the owner of the network interface.\n */
//"@param ownerId The AWS account ID of the owner of the network interface.\n@return

Returns a reference to this object so that method calls can be chained together.*\n",
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"getterDocumentation" : "/**\n * The AWS account ID of the owner of the network interface.\n */
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * A description.
 */
//"@param description A description.\n@return

Returns a reference to this object so that method calls can be chained together.*\n"}
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"list" : false,
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"map" : false,
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@param
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    "variableType" : "String",
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"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withOwnerId",
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    "variableType" : "String",
    "documentation" : "<p>The AWS account ID of the owner of the network interface.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
    @param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRequesterId",
    "getterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
    @return The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
    */",
    "getterMethodName" : "getRequesterId",
    "name" : "OwnerId",
    "setterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
    @param
    ownerId The AWS account ID of the owner of the network interface.*/",
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        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>
    @param
    ownerId The AWS account ID of the owner of the network interface.
    @return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableType" : "String",
        "documentation" : "<p>The AWS account ID of the owner of the network interface.</p>
        "simpleType" : "String",
        "variableSetterType" : "String"
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    "xmlNameSpaceUri" : null
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RequesterId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "requesterId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterId",
"setterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRequesterId",
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  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>"
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsSpaceUri" : null
}, {
"c2jName" : "RequesterManaged",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is being managed by AWS.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
@override
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withRequesterManaged",
"getterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
@return Indicates whether the network interface is being managed by AWS.
*/",
"getterMethodName" : "getRequesterManaged",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterManaged",
"setterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
@override
@return Indicates whether the network interface is being managed by AWS.
*/",
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"variableSetterType" : "String"
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * Indicates whether the network interface is being managed by AWS.
 */\n@returns {Boolean} Indicates whether the network interface is being managed by AWS.
@return Returns a reference to this object so that method calls can be chained together.
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"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the network interface is being managed by AWS.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "NetworkInterfaceStatus",
"deprecated" : false,
"documentation" : "The status of the network interface.
@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceStatus",
"fluentSetterDocumentation" : "/**\n * The status of the network interface.
 */\n@returns {NetworkInterfaceStatus} The status of the network interface.
@param status The status of the network interface.
@return The status of the network interface.
@see NetworkInterfaceStatus",
"getterDocumentation" : "/**\n * The status of the network interface.
 */\n@returns {NetworkInterfaceStatus} The status of the network interface.
@see NetworkInterfaceStatus",
"getterMethodName" : "getStatus",
"getterModel" : {
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"xmlNameSpaceUri" : null
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.</n>\n@see NetworkInterfaceStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.</n>\n@return Returns a reference to this object so that method calls can be chained together.\n@see NetworkInterfaceStatus*/",
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"variableType" : "String",
"documentation" : "The status of the network interface.\n",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "MacAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The MAC address.
",
"enumType" : null,
"fluentSetterDocumentation" : "**<p>The MAC address.</p>
@param macAddress The MAC address.</n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMacAddress",
"getterDocumentation" : "**<p>The MAC address.</p>
@n@return The MAC address.*/",
"getterMethodName" : "getMacAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MacAddress",
"setterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@see NetworkInterfaceStatus*/",
"setterMethodName" : "setMacAddress",
"setterModel" : {
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"variableName" : "macAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.\n@see NetworkInterfaceStatus*/",
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"variableType" : "String",
"documentation" : "The MAC address.
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"simpleType" : "String",
"variableSetterType" : "String"
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},
"uri" : 
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceStatus",
"setterDocumentation" : "/**<p>The status of the network interface.

@param status The status of the network interface.
@see NetworkInterfaceStatus*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.

@param status The status of the network interface.
@return Returns a reference to this object so that method calls can be chained together.\n@see NetworkInterfaceStatus*/",
"variable" : {
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"variableType" : "String",
"documentation" : "The status of the network interface.
",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "MacAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "macAddress",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MacAddress",
"setterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.*/",
"setterMethodName" : "setMacAddress",
"setterModel" : {
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  "variableName" : "macAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The MAC address.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>
  "enumType" : null,
"fluentSetterDocumentation" : "/** <p>The IPv4 address of the network interface within the subnet.</p>
@method getPrivateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/** <p>The IPv4 address of the network interface within the subnet.</p>
@return The IPv4 address of the network interface within the subnet. */",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/** <p>The IPv4 address of the network interface within the subnet.</p>
@method setPrivateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The IPv4 address of the network interface within the subnet.</p>
@method setPrivateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {

"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private
DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The private DNS name.</p>
@param privateDnsName The private DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "privateDnsName",
 "variableType" : "String",
 "documentation" : "<p>The private DNS name.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceDestCheck",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>Indicates whether traffic to or from the instance is validated.</p>
@param sourceDestCheck Indicates whether traffic to or from the instance is validated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceDestCheck",
"getterDocumentation" : "/**\n<p>Indicates whether traffic to or from the instance is validated.</p>
@return Indicates whether traffic to or from the instance is validated.*/",
"getterMethodName" : "getSourceDestCheck",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SourceDestCheck",
 "queryString" : false,
 "statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>
@param sourceDestCheck Indicates whether traffic to or from the instance is validated.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>
@param sourceDestCheck Indicates whether traffic to or from the instance is validated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "sourceDestCheck",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether traffic to or from the instance is validated.</p>
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Groups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>Any security groups for the network interface.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.
@return Any security groups for the network interface.*/",
"getterMethodName" : "getGroups",
"getterModel" : {
  "returnType" : "java.util.List<
  "java.lang.String<T>>"},
"xmlNameSpaceUri" : null
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "groupSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "GroupIdentifier",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "GroupIdentifier",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
"setterDocumentation" : "/**\n@param groups Any security groups for the network interface.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param groups Any security groups for the network interface.\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setGroups(java.util.Collection) \} or \{ @link #withGroups(java.util.Collection) \} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "Any security groups for the network interface."",
  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Attachment",
"c2jShape" : "NetworkInterfaceAttachment",
"deprecated" : false,
"documentation" : "/p>The network interface attachment.\n@return The network interface attachment.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**\n@return The network interface attachment.\n"getterMethodName" : "getAttachment",
"getterModel" : {
  "returnType" : "NetworkInterfaceAttachment",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Attachment",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "attachment",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attachment",
"setterDocumentation": "/**\n<p>The network interface attachment.</p>
@param attachment The network interface attachment.*/",
"setterMethodName": "setAttachment",
"setterModel": {
  "variableDeclarationType": "NetworkInterfaceAttachment",
  "variableName": "attachment",
  "variableType": "NetworkInterfaceAttachment",
  "documentation": "",
  "simpleType": "NetworkInterfaceAttachment",
  "variableSetterType": "NetworkInterfaceAttachment"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The network interface attachment.</p>
@param attachment The network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "NetworkInterfaceAttachment",
  "variableName": "attachment",
  "variableType": "NetworkInterfaceAttachment",
  "documentation": "<p>The network interface attachment.</p>",
  "simpleType": "NetworkInterfaceAttachment",
  "variableSetterType": "NetworkInterfaceAttachment"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "Association",
  "c2jShape": "NetworkInterfaceAssociation",
  "deprecated": false,
  "documentation": "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The association information for an Elastic IP address (IPv4) associated"
with the network interface.

/**
param association The association information for an Elastic IP address (IPv4) associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.* /

	fluSetSetterMethodName" : "withAssociation",

getterDocumentation" : /*<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

	getterMethodName" : "getAssociation",

getterModel" : {  
	"returnType" : "NetworkInterfaceAssociation",
	"documentation" : null
  },

t	http" : {  
	"additionalMarshallingPath" : null,
	"additionalUnmarshallingPath" : null,
	"flattened" : false,
	"greedy" : false,
	"header" : false,
	"isPayload" : false,
	"isStreaming" : false,
	"location" : null,
	"marshallLocationName" : "Association",
	"queryString" : false,
	"statusCode" : false,
	"unmarshallLocationName" : "association",
	"uri" : false
  },

t    idempotencyToken" : false,

t    list" : false,

t    listModel" : null,

t    map" : false,

t    mapModel" : null,

t    name" : "Association",

t    getterDocumentation" : /*<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

	setterMethodName" : "setAssociation",
	setterModel" : {  
	"variableDeclarationType" : "NetworkInterfaceAssociation",
	"variableName" : "association",
	"variableType" : "NetworkInterfaceAssociation",
	"documentation" : "",
	"simpleType" : "NetworkInterfaceAssociation",
	"variableSetterType" : "NetworkInterfaceAssociation"
  },

t    simple" : false,

	varargSetterDocumentation" : /*<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

	varargSetterMethodName" : "withAssociation",

t	setterDocumentation" : /*<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

	setterMethodName" : "setAssociation",

t	setterModel" : {  
	"variableDeclarationType" : "NetworkInterfaceAssociation",
	"variableName" : "association",
	"variableType" : "NetworkInterfaceAssociation",
	"documentation" : "",
	"simpleType" : "NetworkInterfaceAssociation",
	"variableSetterType" : "NetworkInterfaceAssociation"
  },

t	 simple" : false,
associated with the network interface.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "NetworkInterfaceAssociation",
    "variableName" : "association",
    "variableType" : "NetworkInterfaceAssociation",
    "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
    "simpleType" : "NetworkInterfaceAssociation",
    "variableSetterType" : "NetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TagSet",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withTagSet",
"getterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@return Any tags assigned to the network interface.
*/",
"getterMethodName" : "getTagSet",
"getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "c2jName" : "TagSet",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>Any tags assigned to the network interface.
    @returns Returns a reference to this object so that method calls can be chained together.
    */",
    "simpleType" : "NetworkInterfaceAssociation",
    "variableSetterType" : "NetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
};
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "Tag",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "complexType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "simple" : false,
"varargSetterDocumentation" : "/**\n@param tagSet Any tags assigned to the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "tagSet",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "TagSet",
"setterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.*/",
"setterMethodName" : "setTagSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tagSet",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTagSet(java.util.Collection)} or {@link #withTagSet(java.util.Collection)} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "tagSet",
  "variableType" : "Tag"
"documentation": "<p>Any tags assigned to the network interface.</p>",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
"c2jName": "PrivateIpAddresses",
"c2jShape": "NetworkInterfacePrivateIpAddressList",
"deprecated": false,
"documentation": "<p>The private IPv4 addresses associated with the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrivateIpAddresses",
"getterDocumentation": "/**<p>The private IPv4 addresses associated with the network interface.</p>
@return The private IPv4 addresses associated with the network interface.*/",
"getterMethodName": "getPrivateIpAddresses",
"getterModel": {
"returnType": "java.util.List<NetworkInterfacePrivateIpAddress>",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrivateIpAddressesSet",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddressesSet",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "NetworkInterfacePrivateIpAddress",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "NetworkInterfacePrivateIpAddress",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
"variableName" : "member",
"variableType" : "NetworkInterfacePrivateIpAddress",
"documentation" : "",
"simpleType" : "NetworkInterfacePrivateIpAddress",
"variableSetterType" : "NetworkInterfacePrivateIpAddress"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
"variableName" : "member",
"variableType" : "NetworkInterfacePrivateIpAddress",
"documentation" : ""}
"simpleType": "NetworkInterfacePrivateIpAddress",
"variableSetterType": "NetworkInterfacePrivateIpAddress"
},
"xmlnsNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "NetworkInterfacePrivateIpAddress",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "NetworkInterfacePrivateIpAddress",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
"templateType": "java.util.List<NetworkInterfacePrivateIpAddress>"
},
"map": false,
"mapModel": null,
"name": "PrivateIpAddresses",
"setterDocumentation": "/**<p>The private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.</p>*/
, "setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation": "",
  "simpleType": "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<NetworkInterfacePrivateIpAddress>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.*/
, "varargSetterMethodName": "setPrivateIpAddresses",
"varargSetterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation": "The private IPv4 addresses associated with the network interface."
, "variableSetterType": "java.util.Collection<NetworkInterfacePrivateIpAddress>"
},
"xmlnsNameSpaceUri": null
},
"c2jName": "Ipv6Addresses"
"c2jShape" : "NetworkInterfaceIpv6AddressesList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses associated with the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses associated with the network interface.</p>
@param ipv6Addresses The IPv6 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>The IPv6 addresses associated with the network interface.</p>
@return The IPv6 addresses associated with the network interface.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<NetworkInterfaceIpv6Address>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6AddressesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "NetworkInterfaceIpv6Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
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"documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"returnType" : "NetworkInterfaceIpv6Address",
"documentation" : null
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}
"documentation" : null
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"unmarshallLocationName" : "item",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "NetworkInterfaceIpv6Address"
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"templateType" : "java.util.List<NetworkInterfaceIpv6Address>"
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@param ipv6Addresses The IPv6 addresses associated with the network interface.* */",
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"setterModel" : {
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  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<NetworkInterfaceIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<NetworkInterfaceIpv6Address>",
  "variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses associated with the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6Addresses(java.util.Collection)} or {@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.</p>
@param ipv6Addresses The IPv6 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.* */",
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  "documentation" : "<p>The IPv6 addresses associated with the network interface.</p>",
  "simpleType" : "List<NetworkInterfaceIpv6Address>",
  "variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>"
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"documentation" : "<p>The type of interface.</p>",
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@param interfaceType The type of interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceType*/"
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  "documentation" : null
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  "variableName" : "interfaceType",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "interfaceType",
  "variableType" : "String"
"documentation" : "The type of interface.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"Association" : {
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"c2jShape" : "NetworkInterfaceAssociation",
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"documentation" : "The association information for an Elastic IP address (IPv4) associated with the network interface.",
"enumType" : null,
"fluentSetterDocumentation" : "The association information for an Elastic IP address (IPv4) associated with the network interface.
@param association The association information for an Elastic IP address (IPv4) associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.
/**
 * fluentSetterMethodName" : "withAssociation",
"getterDocumentation" : "The association information for an Elastic IP address (IPv4) associated with the network interface.
 @return The association information for an Elastic IP address (IPv4) associated with the network interface.
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"idempotencyToken" : false,
"list" : false,
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"map" : false,
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"name" : "Association"
"setterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with
the network interface.</p>@param association The association information for an Elastic IP address (IPv4)
associated with the network interface.*/",
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    "variableType" : "NetworkInterfaceAssociation",
    "documentation" : "",
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    "variableSetterType" : "NetworkInterfaceAssociation"
},
"simple" : false,
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with the network interface.</p>@param association The association information for an Elastic IP address (IPv4)
associated with the network interface.
@return Returns a reference to this object so that method calls can be
chained together.*/",
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    "variableType" : "NetworkInterfaceAssociation",
    "documentation" : 
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network interface.</p>
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    "variableSetterType" : "NetworkInterfaceAssociation"
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"xmlNameSpaceUri" : null
},
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    "c2jShape" : "NetworkInterfaceAttachment",
    "deprecated" : false,
    "documentation" : 
<p>The network interface attachment.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The network interface attachment.</p>@param attachment The
network interface attachment.
@return Returns a reference to this object so that method calls can be
chained together.*/",
    "fluentSetterMethodName" : "withAttachment",
    "getterDocumentation" : "/**<p>The network interface attachment.</p>@return The network interface
attachment.
*/",
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        "documentation" : null
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@param attachment The network interface attachment.</paramref>
*/",
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"variableType": "NetworkInterfaceAttachment",
"documentation": "",
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"variableSetterType": "NetworkInterfaceAttachment"
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"documentation": "<p>The network interface attachment.</p>",
"simpleType": "NetworkInterfaceAttachment",
"variableSetterType": "NetworkInterfaceAttachment"
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"c2jShape": "String",
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"documentation": "<p>The Availability Zone.</p>",
"simpleType": "String",
"variableSetterType": "AvailabilityZone"
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"variableType" : "String",
"documentation" : "&lt;p&gt;The Availability Zone.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
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"documentation" : "&lt;p&gt;A description.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;A description.&lt;/p&gt;\n@returns param description A description.\n@returns Returns a reference to this object so that method calls can be chained together.*&lt;/p&gt;",
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"documentation" : null
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"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
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"mapModel" : null,
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"setterDocumentation" : "/**&lt;p&gt;A description.&lt;/p&gt;\n@returns param description A description.*/",
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"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>A description.</p>
@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>A description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "deprecated" : false,
  "documentation" : "<p>Any security groups for the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>Any security groups for the network interface.</p>
@return Any security groups for the network interface.*/",
  "getterMethodName" : "getGroups",
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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    "statusCode" : false,
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    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>A description.</p>
@param description A description.
@return Returns a reference to this object so that method calls can be chained together.*/


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"idempotencyToken" : false,
"list" : true,
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "GroupIdentifier",
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"documentation" : "",
"enumType" : null,
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"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
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"mapModel" : null,
"name" : "Member",
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"variableModel" : null
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"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
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"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
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},
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"simpleType" : "GroupIdentifier",
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"templateType" : "java.util.List<GroupIdentifier>
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"map" : false,
"mapModel" : null,
"name" : "Groups",
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<p>Any security groups for the network interface.</p>
@param groups Any security groups for the network interface.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Any security groups for the network interface.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setGroups(java.util.Collection) } or { @link #withGroups(java.util.Collection) } if you want to override the existing
values.</p>
@param groups Any security groups for the network interface.
@return Returns a reference to this object so that method calls can be chained together.*";

    "variable" : {
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      "documentation" : "<p>Any security groups for the network interface.</p>",
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  },
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    "documentation" : "<p>The type of interface.</p>",
    "enumType" : "NetworkInterfaceType",
    "fluentSetterDocumentation" : "/**<p>The type of interface.</p>\n\n\n### InterfaceType The type of interface.\n\n\n\n### withInterfaceType The type of interface.\n\n\n\n\n\n### NetworkInterfaceType*/",
    "fluentSetterMethodName" : "withInterfaceType",
    "getterDocumentation" : "/**<p>The type of interface.</p>\n\n\n### getInterfaceType The type of interface.\n\n\n\n\n### NetworkInterfaceType*/",
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    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "interfaceType",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "InterfaceType",
"setterDocumentation" : "/**<p>The type of interface.</p>
@param interfaceType The type of interface.
@see NetworkInterfaceType*/",
"setterMethodName" : "setInterfaceType",
"setterModel" : {
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    "variableName" : "interfaceType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of interface.</p>
@param interfaceType The type of interface.
@return Returns a reference to this object so that method calls can be chained together.
@see NetworkInterfaceType*/",

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    "variableType" : "String",
    "documentation" : "<p>The type of interface.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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},
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    "c2jName" : "Ipv6Addresses",
    "c2jShape" : "NetworkInterfaceIpv6AddressesList",
    "deprecated" : false,
    "documentation" : "/**<p>The IPv6 addresses associated with the network interface.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"http" : {
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "ipv6AddressesSet",
"uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "NetworkInterfaceIpv6Address",
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@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**
@return */",
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      "documentation" : null
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@param member */",
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  "variableType" : "NetworkInterfaceIpv6Address",
  "documentation" : "",
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  "variableSetterType" : "NetworkInterfaceIpv6Address"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "NetworkInterfaceIpv6Address",
  "documentation" : "",
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  "variableSetterType" : "NetworkInterfaceIpv6Address"
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"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "NetworkInterfaceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "NetworkInterfaceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
"templateType" : "java.util.List<NetworkInterfaceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**
The IPv6 addresses associated with the network interface.</p>

@param ipv6Addresses The IPv6 addresses associated with the network interface.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
  "variableName" : "ipv6Addresses"


"variableType" : "java.util.List<NetworkInterfaceIpv6Address>",
"documentation" : "",
"simpleType" : "List<NetworkInterfaceIpv6Address>",
"variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses associated with the network interface.</p>
<br>NOTE:<br> This method appends the values to the existing list (if any). Use { @link #setIpv6Addresses(java.util.Collection)} or { @link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.<br>@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<NetworkInterfaceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<NetworkInterfaceIpv6Address>",
"documentation" : "<p>The IPv6 addresses associated with the network interface.</p>",
"simpleType" : "List<NetworkInterfaceIpv6Address>",
"variableSetterType" : "java.util.Collection<NetworkInterfaceIpv6Address>",
"xmlNameSpaceUri" : null
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"MacAddress" : {
"c2jName" : "MacAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The MAC address.</p>
<br><br>
@returns The MAC address.
@returns Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMacAddress",
"getterDocumentation" : "/**<p>The MAC address.</p>"
@returns The MAC address.
@returns Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getMacAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isStreaming" : false,
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"marshallLocationName" : "MacAddress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "macAddress",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MacAddress",
"setterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.*#/",
"setterMethodName" : "setMacAddress",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "macAddress",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The MAC address.</p>
@param macAddress The MAC address.
@return Returns a reference to this object so that method calls can be chained together.*#/",
 "variable" : {
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 "variableName" : "macAddress",
 "variableType" : "String",
 "documentation" : "<p>The MAC address.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"NetworkInterfaceId" : {
 "c2jName" : "NetworkInterfaceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the network interface.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},

"NetworkInterfaceId" : {
 "c2jName" : "NetworkInterfaceId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the network interface.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/*<p>The ID of the network interface.</p><!--@param networkInterfaceId The ID of the network interface.-->
@return Returns a reference to this object so that method calls can be chained together.*="/",
 "fluentSetterMethodName" : "withNetworkInterfaceId",
 "getterDocumentation" : "/*<p>The ID of the network interface.</p><!--@return The ID of the network interface.-->
", "getterMethodName" : "getNetworkInterfaceId",
 "getterModel" : {
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 "documentation" : null
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkInterfaceId",
"queryString": false,
"statusCode": false,
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"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkInterfaceId",
"setterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.*/",
"setterMethodName": "setNetworkInterfaceId",
"setterModel": {
  
  "variableDeclarationType": "String",
  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "",
  "complexType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
  
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  "variableName": "networkInterfaceId",
  "variableType": "String",
  "documentation": "<p>The ID of the network interface.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"OwnerId": {
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>\n@param ownerId The AWS account ID of the owner of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>\n@return The AWS account ID of the owner of the network interface.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ownerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the network interface.</p>\n@param ownerId The AWS account ID of the owner of the network interface.\n*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}. 
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the network
interface.</p>\n@param ownerId The AWS account ID of the owner of the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "ownerId",
    "variableType" : "String",
    "documentation" : "<p>The AWS account ID of the owner of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"PrivateDnsName" : {
    "c2jName" : "PrivateDnsName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The private DNS name.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The private DNS name.</p>\n@param privateDnsName The private DNS name.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPrivateDnsName",
    "getterDocumentation" : "/**<p>The private DNS name.</p>\n@return The private DNS name.*/",
    "getterMethodName" : "getPrivateDnsName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PrivateDnsName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "privateDnsName",
        "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.*/",
"setterMethodIdName" : "setPrivateDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The private DNS name.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
  "c2jName" : "PrivateIpAddress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@return The IPv4 address of the network interface within the subnet.*/",
  "getterMethodName" : "getPrivateIpAddress",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\n * The IPv4 address of the network interface within the subnet.
 * @param privateIpAddress The IPv4 address of the network interface within the subnet.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv4 address of the network interface within the subnet.
 * @param privateIpAddress The IPv4 address of the network interface within the subnet.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddresses" : {
  "c2jName" : "PrivateIpAddresses",
  "c2jShape" : "NetworkInterfacePrivateIpAddressList",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 addresses associated with the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The private IPv4 addresses associated with the network
"
interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withPrivateIpAddresses",
    "getterDocumentation" : "The private IPv4 addresses associated with the network interface.*/",
    "getterMethodName" : "getPrivateIpAddresses",
    "getterModel" : {
      "returnType" : "java.util.List<NetworkInterfacePrivateIpAddress>",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "privateIpAddressesSet",
      "uri" : false
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      "interfaceType" : "java.util.List",
      "listMemberModel" : {
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        "c2jShape" : "NetworkInterfacePrivateIpAddress",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "*/
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "*/
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "NetworkInterfacePrivateIpAddress",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
  "variableName" : "member",
  "variableType" : "NetworkInterfacePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "NetworkInterfacePrivateIpAddress",
  "variableSetterType" : "NetworkInterfacePrivateIpAddress"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "NetworkInterfacePrivateIpAddress",
  "documentation" : "",
  "simpleType" : "NetworkInterfacePrivateIpAddress",
  "variableSetterType" : "NetworkInterfacePrivateIpAddress"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "NetworkInterfacePrivateIpAddress",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": false,
"simpleType": "NetworkInterfacePrivateIpAddress",
"templateImplType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
"templateType": "java.util.List<NetworkInterfacePrivateIpAddress>",
},
"map": false,
"mapModel": null,
"name": "PrivateIpAddresses",
"setterDocumentation": "/**\n<p>The private IPv4 addresses associated with the network interface.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.*/",
"setterMethodName": "setPrivateIpAddresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation": "",
  "simpleType": "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<NetworkInterfacePrivateIpAddress>",
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>The private IPv4 addresses associated with the network interface.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link setPrivateIpAddresses(java.util.Collection)\} or \{@link withPrivateIpAddresses(java.util.Collection)\} if you want to override the existing values.</p>
@param privateIpAddresses The private IPv4 addresses associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation": "The private IPv4 addresses associated with the network interface.",
  "simpleType": "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<NetworkInterfacePrivateIpAddress>",
},
"xmlNameSpaceUri": null
},
"RequesterId": {
  "c2jName": "RequesterId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<NetworkInterfacePrivateIpAddress>",
  "variableName": "privateIpAddresses",
  "variableType": "java.util.List<NetworkInterfacePrivateIpAddress>",
  "documentation": "",
  "simpleType": "List<NetworkInterfacePrivateIpAddress>",
  "variableSetterType": "java.util.Collection<NetworkInterfacePrivateIpAddress>",
},
"xmlNameSpaceUri": null
}
"fluentSetterMethodName" : "withRequesterId",
"getterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>@return The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).*/",
"getterMethodName" : "getRequesterId",
"getterModel" : {

"returnType" : "String",
"documentation" : null

},
"http" : {

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequesterId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterId",
"setterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).*/",
"setterMethodName" : "setRequesterId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "requesterId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"

},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

}
"variableDeclarationType": "String",
"variableName": "requesterId",
"variableType": "String",
"documentation": "The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).",
"simpleType": "String",
"variableSetterType": "String"
],
"xmlNameSpaceUri": null
},
"RequesterManaged": [
"c2jName": "RequesterManaged",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Indicates whether the network interface is being managed by AWS.",
"enumType": null,
"fluentSetterDocumentation": "Indicates whether the network interface is being managed by AWS.",
"getterDocumentation": "Indicates whether the network interface is being managed by AWS.",
"getterMethodName": "getRequesterManaged",
"getterModel": {
"returnType": "Boolean",
"documentation": null
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"http": {
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"unmarshallLocationName": "requesterManaged",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RequesterManaged",}
"setterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
@param requesterManaged Indicates whether the network interface is being managed by AWS.*/","setterMethodName" : "setRequesterManaged",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "requesterManaged",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the network interface is being managed by AWS.</p>
@param requesterManaged Indicates whether the network interface is being managed by AWS.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "requesterManaged",
  "variableType" : "Boolean",
  "documentation" : 
  "<p>Indicates whether the network interface is being managed by AWS.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SourceDestCheck" : {
  "c2jName" : "SourceDestCheck",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : 
  "<p>Indicates whether traffic to or from the instance is validated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>
@param sourceDestCheck Indicates whether traffic to or from the instance is validated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSourceDestCheck",
  "getterDocumentation" : "/**<p>Indicates whether traffic to or from the instance is validated.</p>
@return Indicates whether traffic to or from the instance is validated.*/",
  "getterMethodName" : "getSourceDestCheck",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceDestCheck",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sourceDestCheck",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceDestCheck",
"setterDocumentation" : "/**\n* Indicates whether traffic to or from the instance is validated.
* \n* @param sourceDestCheck Indicates whether traffic to or from the instance is validated.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceDestCheck",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether traffic to or from the instance is validated.
* \n* @param sourceDestCheck Indicates whether traffic to or from the instance is validated.
* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "sourceDestCheck",
    "variableType" : "Boolean",
    "documentation" : "\n* Indicates whether traffic to or from the instance is validated.\n* \n* @param status The status of the network interface.\n* \n* @return Returns a reference to this object so that method calls can be chained combined.*/",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "c2jName" : "Status",
    "c2jShape" : "NetworkInterfaceStatus",
    "deprecated" : false,
    "documentation" : "\n* The status of the network interface.\n* \n* @param status The status of the network interface.\n* \n* @return Returns a reference to this object so that method calls can be chained combined.
* \n* @param status The status of the network interface.\n* \n* @return Returns a reference to this object so that method calls can be chained combined.*/
}
together.

@see NetworkInterfaceStatus*/", "fluentSetterMethodName" : "withStatus", "getterDocumentation" : "/**<p>The status of the network interface.</p>
@return The status of the network interface.</p>
@see NetworkInterfaceStatus*/", "getterMethodName" : "getStatus", "getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.</p>
@see NetworkInterfaceStatus*/", "setterMethodName" : "setStatus", "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.</p>
@see NetworkInterfaceStatus*/", "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the network interface.</p>
@param status The status of the network interface.</p>
@see NetworkInterfaceStatus*/", "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**\n\* The ID of the subnet.
\* @param subnetId The ID of the subnet.
\* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TagSet" : {
"c2jName" : "TagSet",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTagSet",
"getterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@return Any tags assigned to the network interface.*/",
"getterMethodName" : "getTagSet",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
}
"uri" : false,
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n        @param member
        @return Returns a reference to this object so that
        method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n        @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Tag",
      "variableName" : "member",
      "getterModel" : {
        "returnType" : "Tag",
        "documentation" : null
      },
      "additionalMarshallingPath" : null,
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "TagSet",
"setterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>
@param tagSet Any tags assigned to the network interface.*/",
"setterMethodName" : "setTagSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tagSet",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List.setTag>",
"variableSetterType" : "java.util.Collection<Tag>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the network interface.</p>

<NOTE:
This method appends the values to the existing list (if any). Use {@link #setTagSet(java.util.Collection)} or {@link #withTagSet(java.util.Collection)} if you want to override the existing values.*/

@param tagSet Any tags
assigned to the network interface.

@return Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tagSet",
  "variableType": "java.util.List<Tag>",
  "documentation": "Any tags assigned to the network interface.",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>",
},
"xmlNameSpaceUri": null,

"VpcId": {
  "c2jName": "VpcId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the VPC.",
  "enumType": null,
  "fluentSetterDocumentation": "The ID of the VPC.",
  "fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "The ID of the VPC.",
  "getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpcId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VpcId"
"setterDocumentation" : 
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : 
"setterDocumentation" : 
-return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "NetworkInterface",
"variableName" : "networkInterface",
"variableType" : "NetworkInterface",
"documentation" : null,
"simpleType" : "NetworkInterface",
"variableSetterType" : "NetworkInterface"
},
"wrapper" : false
},
"NetworkInterfaceAssociation" : {
"c2jName" : "NetworkInterfaceAssociation",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"
"deprecated" : false,
"documentation" : "<p>Describes association information for an Elastic IP address (IPv4 only).</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "PublicIp",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
*@

@param publicIp The address of the Elastic IP address bound to the network interface.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPublicIp",
  "getterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network
interface.</p>
*@

@return The address of the Elastic IP address bound to the network interface.

*/",
  "getterMethodName" : "getPublicIp",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PublicIp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "publicIp",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"
"name" : "PublicIp",
"setterDocumentation" : "/**\n * The address of the Elastic IP address bound to the network interface.\n * @param publicIp The address of the Elastic IP address bound to the network interface.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The address of the Elastic IP address bound to the network interface.\n * @param publicIp The address of the Elastic IP address bound to the network interface.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "publicIp",
    "variableType" : "String",
    "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
    "c2jName" : "PublicDnsName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The public DNS name.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * The public DNS name.\n * @param publicDnsName The public DNS name.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicDnsName",
    "getterDocumentation" : "/**\n * The public DNS name.\n * @return The public DNS name.*/",
    "getterMethodName" : "getPublicDnsName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "isStreaming" : false,
"location" : null,
"marshallLocationName" : "PublicDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicDnsName",
"setterDocumentation" : "/**<p>The public DNS name.</p>
@param publicDnsName The public DNS name.*/",
"setterMethodName" : "setPublicDnsName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The public DNS name.</p>
@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "publicDnsName",
  "variableType" : "String",
  "documentation" : "<p>The public DNS name.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IpOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Elastic IP address owner.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpOwnerId",
"getterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@return The ID of the Elastic IP address owner.*/",}
"getterMethodName" : "getIpOwnerId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipOwnerId",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "IpOwnerId",

"setterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.*/",

"setterMethodName" : "setIpOwnerId",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Elastic IP address owner.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null
},

"c2jName" : "AllocationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The allocation ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The allocation ID.</p>
@param allocationId The allocation ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAllocationId",
"getterDocumentation" : "/**<p>The allocation ID.</p>
@return The allocation ID.*/",
"getterMethodName" : "getAllocationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationId",
"setterDocumentation" : "/**<p>The allocation ID.</p>
@param allocationId The allocation ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAllocationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"simple": true,
"varargSetterDocumentation": "/**
   * The allocation ID.
   * @param allocationId The allocation ID.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "allocationId",
  "variableType": "String",
  "documentation": "<p>The allocation ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  {
  "c2jName": "AssociationId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The association ID.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * The association ID.
   * @param associationId The association ID.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
  "fluentSetterMethodName": "withAssociationId",
  "getterDocumentation": "/**
   * The association ID.
   * @return The association ID.
   */",
  "getterMethodName": "getAssociationId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "AssociationId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "associationId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "AssociationId",
  "simple": true,
  "varargSetterDocumentation": "/**
   * The allocation ID.
   * @param allocationId The allocation ID.
   * @return Returns a reference to this object so that method calls can be chained together.
   */",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "allocationId",
    "variableType": "String",
    "documentation": "<p>The allocation ID.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
"setterDocumentation" : "/**\n@\n@param associationId The association ID.*\n*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**\n@\n@param associationId The association ID.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "<p>The association ID.</p>
", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "AllocationId" : {
    "c2jName" : "AllocationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The allocation ID.</p>
", "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param allocationId The allocation ID.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withAllocationId",
    "getterDocumentation" : "/**\n@\n@return The allocation ID.*\n*/",
    "getterMethodName" : "getAllocationId",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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"setterMethodName" : "setAllocationId",
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  "simpleType" : "String",
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"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**\<p>The association ID.</p>\n@return The association ID.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpOwnerId",
"getterDocumentation" : "/**<p>The ID of the Elastic IP address owner.</p>
@return The ID of the Elastic IP address owner.*/",
"getterMethodName" : "getIpOwnerId",
"getterModel" : {
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"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
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"uri" : false
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@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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@param ipOwnerId The ID of the Elastic IP address owner.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The public DNS name.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withPublicDnsName",
    "getterDocumentation" : "/**<p>The public DNS name.</p>
@return The public DNS name.*/",
    "getterMethodName" : "getPublicDnsName",
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        "documentation" : null
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        "statusCode" : false,
        "unmarshallLocationName" : "publicDnsName",
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  "variableName" : "publicDnsName",
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param publicDnsName The public DNS name.
@return Returns a reference to this object so that method calls can be chained together.
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  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The address of the Elastic IP address bound to the network interface.
",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network interface.
@param publicIp The address of the Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**<p>The address of the Elastic IP address bound to the network interface.
@return The address of the Elastic IP address bound to the network interface.
*/",
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"isPayload" : false,
"isStreaming" : false,
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"setterModel" : {
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param publicIp The address of the Elastic IP address bound to the network interface.
@return Returns a reference to this object so that method calls can be chained together.*///",
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  "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
  "simpleType" : "String",
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    "variableName" : "networkInterfaceAssociation",
    "variableType" : "NetworkInterfaceAssociation",
    "documentation" : null,
    "complexType" : "NetworkInterfaceAssociation",
    "variableSetterType" : "NetworkInterfaceAssociation"
  },
  "wrapper" : false
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"NetworkInterfaceAttachment" : {
  "c2jName" : "NetworkInterfaceAttachment",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface attachment.</p>",
  "enums" : null,
  "errorCodes" : null,
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  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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      "documentation" : "<p>The ID of the network interface attachment.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>@param attachmentId
The ID of the network interface attachment.</param>
@return
Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withAttachmentId",
      "getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>@return
The ID of the network interface attachment.*/",
      "getterMethodName" : "getAttachmentId",
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        "documentation" : null
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    }
  ]
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterMethodName" : "setAttachmentId",
"setterModel" : {
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  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "<p>The ID of the instance.</p>@param instanceId The ID of the instance.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "<p>The ID of the instance.</p>@return The ID of the instance.",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
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  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>"
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"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jShape": "String",
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"documentation": "<p>The AWS account ID of the owner of the instance.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceOwnerId",
"getterDocumentation": "/**<p>The AWS account ID of the owner of the instance.</p>
@return The AWS account ID of the owner of the instance.*/",
"getterMethodName": "getInstanceOwnerId",
"getterModel": {
"returnType": "String",
"documentation": null
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"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instanceOwnerId",
"uri": false
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"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceOwnerId",
"setterDocumentation": "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel": {
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"variableType" : "String",
"documentation" : 

"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n@\n@param instanceOwnerId The AWS account ID of the owner of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "The AWS account ID of the owner of the instance.",
"simpleType" : "String",
"variableSetterType" : "String"
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"documentation" : "The device index of the network interface attachment on the instance.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@\n@param deviceIndex The device index of the network interface attachment on the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**\n@\n@return The device index of the network interface attachment on the instance.*/",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"xmlNameSpaceUri" : null
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"name" : "DeviceIndex",
"setterDocumentation" : "/**
<p>The device index of the network interface attachment on the
instance.</p>
@param deviceIndex The device index of the network interface attachment on the instance.
*/",
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"setterModel" : {
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  "variableType" : "Integer",
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<p>The device index of the network interface attachment on the
instance.</p>
@param deviceIndex The device index of the network interface attachment on the
instance.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "Integer",
  "documentation" : "
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"xmlNameSpaceUri" : null
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"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "
<p>The attachment state.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**
<p>The attachment state.</p>
@param status The attachment state.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**
<p>The attachment state.</p>
@param status The attachment state.
@return The attachment state.
@see AttachmentStatus*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
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  "location": null,  
  "marshallLocationName": "Status",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "status",  
  "uri": false
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"idempotencyToken": false,

"list": false,

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"map": false,

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"name": "Status",

"setterDocumentation": "\n\n\nThe attachment state.\n\n\n\n@param status The attachment state.\n\n\n\n@see AttachmentStatus*/",

"setterMethodName": "setStatus",

"setterModel": {
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  "variableName": "status",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"varargSetterDocumentation": "\n\n\nThe attachment state.\n\n\n\n@param status The attachment state.\n\n\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n\n@see AttachmentStatus*/",

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  "variableType": "String",
  "documentation": "\n\n\nThe attachment state.\n",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
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  "c2j": {  
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    "Open Source Used In Virtualized Voice Browser 12.6(1) 24724"
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The timestamp indicating when the attachment initiated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**<p>The timestamp indicating when the attachment initiated.</p>
@return The timestamp indicating when the attachment initiated.*/",
"getterMethodName" : "getAttachTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"listModel" : null,
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"setterDocumentation" : "/**<p>The timestamp indicating when the attachment initiated.</p>
@param attachTime The timestamp indicating when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**
 * The timestamp indicating when the attachment initiated.
 */
 @param attachTime The timestamp indicating when the attachment initiated.
 @return Returns a reference to this object so that method calls can be chained together.
 */",
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 "variableName" : "attachTime",
 "variableType" : "java.util.Date",
 "documentation" : "The timestamp indicating when the attachment initiated.
 simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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 "variableNameSpaceUri" : "null",
 "c2jName" : "DeleteOnTermination",
 "c2jShape" : "Boolean",
 "deprecated" : false,
 "documentation" : "Indicates whether the network interface is deleted when the instance is terminated.
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 * Indicates whether the network interface is deleted when the instance is terminated.
 */
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 @return Returns a reference to this object so that method calls can be chained together.
 */",
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 */
 @return Indicates whether the network interface is deleted when the instance is terminated.
 */",
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@return Returns a reference to this object so that method calls can be chained together.*"/
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@return Returns a reference to this object so that method calls can be chained together.*"/
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\n@return Returns a reference to this object so that method calls can be chained together.
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\n@return The attachment state.
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@return Returns a reference to this object so that method calls can be
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At return The ID of the network interface attachment.

```javascript

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    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
}
"membersAsMap" : {
"AttachmentId" : {
    "c2jName" : "AttachmentId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface attachment.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@returns {string} Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAttachmentId",
    "getterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@returns {string} The ID of the network interface attachment.*/",
    "getterMethodName" : "getAttachmentId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachmentId",
"setterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.*/",
"setterMethodName" : "setAttachmentId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface attachment.</p>
@param attachmentId The ID of the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "attachmentId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface attachment.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"DeleteOnTermination" : {
  "c2jName" : "DeleteOnTermination",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
  @param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeleteOnTermination",
  "getterDocumentation" : "/**<p>Indicates whether the network interface is deleted when the instance is terminated.</p>
  @return Indicates whether the network interface is deleted when the instance is terminated.*/",
  "getterMethodName" : "getDeleteOnTermination",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
**DeleteOnTermination**

Indicates whether the network interface is deleted when the instance is terminated.

```java
public class DeleteOnTermination {

    private Boolean deleteOnTermination;

    public DeleteOnTermination setDeleteOnTermination(Boolean deleteOnTermination) {
        this.deleteOnTermination = deleteOnTermination;
        return this;
    }

    public Boolean getDeleteOnTermination() {
        return deleteOnTermination;
    }
}
```

---

```
Indicates whether the network interface is deleted when the instance is terminated.

@Param deleteOnTermination Indicates whether the network interface is deleted when the instance is terminated.

@Returns Returns a reference to this object so that method calls can be chained together.
```
"required" : null,
"shapeName" : "NetworkInterfaceAttachmentChanges",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAttachmentChanges",
  "variableName" : "networkInterfaceAttachmentChanges",
  "variableType" : "NetworkInterfaceAttachmentChanges",
  "documentation" : null,
  "simpleType" : "NetworkInterfaceAttachmentChanges",
  "variableSetterType" : "NetworkInterfaceAttachmentChanges"
},
"wrapper" : false
},
"NetworkInterfaceAttribute" : {
  "c2jName" : "NetworkInterfaceAttribute",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Description",
    "value" : "description"
  }, {
    "name" : "GroupSet",
    "value" : "groupSet"
  }, {
    "name" : "SourceDestCheck",
    "value" : "sourceDestCheck"
  }, {
    "name" : "Attachment",
    "value" : "attachment"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfaceAttribute",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAttribute",
  "variableName" : "networkInterfaceAttribute",
  "variableType" : "NetworkInterfaceAttribute",
  "documentation" : null,
  "simpleType" : "NetworkInterfaceAttribute",
  "variableSetterType" : "NetworkInterfaceAttribute"
},
"wrapper" : false
},
"NetworkInterfaceIpv6Address" : {
  "c2jName" : "NetworkInterfaceIpv6Address",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 address associated with a network interface.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "Ipv6Address",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv6 address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>
@type \n@returns {String} The IPv6 address."",
    "fluentSetterMethodName" : "withIpv6Address",
    "getterDocumentation" : "/**<p>The IPv6 address.</p>
@returns {String} The IPv6 address."",
    "getterMethodName" : "getIpv6Address",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  ],
  "wrapper" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/** <p>The IPv6 address.</p> 
@param ipv6Address The IPv6 address. */",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The IPv6 address.</p> 
@param ipv6Address The IPv6 address. */
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]},
"membersAsMap" : {

"Ipv6Address" : {
"c2jName" : "Ipv6Address",
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Address",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6Address",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.*/",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address. */
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Address",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6Address",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.*/",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address. */
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv6 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/@param ipv6Address The IPv6 address.<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withIpv6Address",
"getterDocumentation" : "/**<p>The IPv6 address.</p>
@return The IPv6 address.*/",
"getterMethodName" : "getIpv6Address",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Address",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6Address",
  "uri" : false
},
 idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6Address",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.<p>@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ipv6Address",
"variableType" : "String",
"documentation" : "<p>The IPv6 address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfaceIpv6Address",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "NetworkInterfaceIpv6Address",
"variableName" : "networkInterfaceIpv6Address",
"variableType" : "NetworkInterfaceIpv6Address",
"documentation" : null,
"simpleType" : "NetworkInterfaceIpv6Address",
"variableSetterType" : "NetworkInterfaceIpv6Address"
},
"wrapper" : false
},
"NetworkInterfacePrivateIpAddress" : {
"c2jName" : "NetworkInterfacePrivateIpAddress",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the private IPv4 address of a network interface.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
]
"deprecated" : false,
"documentation" : "<p>The private IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 address.</p><p>
@n@param privateIpAddress The private IPv4 address.<n>\n@n@return Returns a reference to this object so that method calls can be chained together.</n>*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 address.</p><p>
@n@return The private IPv4 address.*n*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 address.</p><p>
@n@param privateIpAddress The private IPv4 address.<n>\n@n@return Returns a reference to this object so that method calls can be chained together.</n>*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 address.<p>\n@n@param privateIpAddress The private IPv4 address.<n>\n@n@return Returns a reference to this object so that method calls can be chained together.</n>*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The private IPv4 address.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "PrivateDnsName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private DNS name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateDnsName",
"getterDocumentation" : "/**<p>The private DNS name.</p>
@return The private DNS name.*/",
"getterMethodName" : "getPrivateDnsName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PrivateDnsName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "privateDnsName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateDnsName",
"setterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateDnsName",
"setterModel" : { }
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "<p>The private DNS name.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@param primary Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@return Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4 address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address
of the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4
address of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network
interface.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Association",
"c2jShape" : "NetworkInterfaceAssociation",
"deprecated" : false,
"documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network
interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated
with the network interface.</p>\n@param association The association information for an Elastic IP address (IPv4)

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associated with the network interface.

```java
@returns

**fluentSetterMethodName** : "withAssociation",

**getterDocumentation** : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

**getterMethodName** : "getAssociation",

**getterModel** : {

  **returnType** : "NetworkInterfaceAssociation",

  **documentation** : null

},

**http** : {

  **additionalMarshallingPath** : null,

  **additionalUnmarshallingPath** : null,

  **flattened** : false,

  **greedy** : false,

  **header** : false,

  **isPayload** : false,

  **isStreaming** : false,

  **location** : null,

  **marshallLocationName** : "Association",

  **queryString** : false,

  **statusCode** : false,

  **unmarshallLocationName** : "association",

  **uri** : false

},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "Association",

**setterDocumentation** : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

**setterMethodName** : "setAssociation",

**setterModel** : {

  **variableDeclarationType** : "NetworkInterfaceAssociation",

  **variableName** : "association",

  **variableType** : "NetworkInterfaceAssociation",

  **documentation** : "",

  **simpleType** : "NetworkInterfaceAssociation",

  **variableSetterType** : "NetworkInterfaceAssociation"

},

**simple** : false,

**varargSetterDocumentation** : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>*/

**varargSetterMethodName** : "withAssociation"

```

@returns

The association information for an Elastic IP address (IPv4) associated with the network interface.

@returns

The association information for an Elastic IP address (IPv4) associated with the network interface.

@returns

A reference to this object so that method calls can be chained together.

```
chained together.*/",
  "variable" : {
    "variableDeclarationType" : "NetworkInterfaceAssociation",
    "variableName" : "association",
    "variableType" : "NetworkInterfaceAssociation",
    "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
    "simpleType" : "NetworkInterfaceAssociation",
    "variableSetterType" : "NetworkInterfaceAssociation"
  },
  "xmlNameSpaceUri" : null
} ].
"membersAsMap" : {
  "Association" : {
    "c2jName" : "Association",
    "c2jShape" : "NetworkInterfaceAssociation",
    "deprecated" : false,
    "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>\n@param association The association information for an Elastic IP address (IPv4) associated with the network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociation",
    "getterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>\n@return The association information for an Elastic IP address (IPv4) associated with the network interface.*/",
    "getterMethodName" : "getAssociation",
    "getterModel" : {
      "returnType" : "NetworkInterfaceAssociation",
      "documentation" : null
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    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Association",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "association",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Association",
"setterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>
@param association The association information for an Elastic IP address (IPv4) associated with the network interface.*/",
"setterMethodName" : "setAssociation",
"setterModel" : {
  "variableDeclarationType" : "NetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "NetworkInterfaceAssociation",
  "documentation" : "",
  "simpleType" : "NetworkInterfaceAssociation",
  "variableSetterType" : "NetworkInterfaceAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>
@param association The association information for an Elastic IP address (IPv4) associated with the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "NetworkInterfaceAssociation",
  "variableName" : "association",
  "variableType" : "NetworkInterfaceAssociation",
  "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
  "simpleType" : "NetworkInterfaceAssociation",
  "variableSetterType" : "NetworkInterfaceAssociation"
},
"xmlNameSpaceUri" : null
},
"Primary" : {
  "c2jName" : "Primary",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@param primary Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrimary",
  "getterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>
@return Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.*/"}
network interface.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address of the
network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4 address of
the network interface.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this IPv4 address is the primary private IPv4 address
of the network interface.</p>\n@param primary Indicates whether this IPv4 address is the primary private IPv4
address of the network interface.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",

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"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private DNS name.</p>
@param privateDnsName The private DNS name.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "privateDnsName",
"variableType" : "String",
"documentation" : "The private DNS name.",
"simpleType" : "String",
"variableSetterType" : "String"},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The private IPv4 address.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 address.</p>
@param privateIpAddress The private IPv4 address.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 address.</p>
@return The private IPv4 address.
*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "privateIpAddress",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "\*/\*<p>The private IPv4 address.</p>\n@param privateIpAddress The private IPv4 address.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\*/\*<p>The private IPv4 address.</p>\n@param privateIpAddress The private IPv4 address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "<p>The private IPv4 address.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NetworkInterfacePrivateIpAddress",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
    "variableDeclarationType" : "NetworkInterfacePrivateIpAddress",
    "variableName" : "networkInterfacePrivateIpAddress",
    "variableType" : "NetworkInterfacePrivateIpAddress",
    "documentation" : null,
    "simpleType" : "NetworkInterfacePrivateIpAddress",
    "variableSetterType" : "NetworkInterfacePrivateIpAddress"
}
"wrapper": false,

"NetworkInterfaceStatus": {
  "c2jName": "NetworkInterfaceStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
    {
      "name": "Available",
      "value": "available"
    },
    {
      "name": "Attaching",
      "value": "attaching"
    },
    {
      "name": "InUse",
      "value": "in-use"
    },
    {
      "name": "Detaching",
      "value": "detaching"
    }
  ],
  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {},
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "NetworkInterfaceStatus",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  },
  "variable": {
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    "variableName": "networkInterfaceStatus",
    "variableType": "NetworkInterfaceStatus",
    "documentation": null,
    "simpleType": "NetworkInterfaceStatus",
    "variableSetterType": "NetworkInterfaceStatus"}
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    "c2jName" : "NetworkInterfaceType",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "Interface",
        "value" : "interface"
    }, {
        "name" : "NatGateway",
        "value" : "natGateway"
    } ],
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "NetworkInterfaceType",
    "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "NetworkInterfaceType",
        "variableName" : "networkInterfaceType",
        "variableType" : "NetworkInterfaceType",
        "documentation" : null,
        "simpleType" : "NetworkInterfaceType",
        "variableSetterType" : "NetworkInterfaceType"
    },
    "wrapper" : false
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"OfferingClassType" : {
    "c2jName" : "OfferingClassType",}
"customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "",
"enums" : [ {
    "name" : "Standard",
    "value" : "standard"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "OfferingClassType",
"unmarshaller" : { 
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
    "variableDeclarationType" : "OfferingClassType",
    "variableName" : "offeringClassType",
    "variableType" : "OfferingClassType",
    "documentation" : null,
    "simpleType" : "OfferingClassType",
    "variableSetterType" : "OfferingClassType"
},
"wrapper" : false
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"OfferingTypeValues" : {
    "c2jName" : "OfferingTypeValues",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"OperationType" : {
  "c2jName" : "OperationType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Add",
    "value" : "add"
  }, {
    "name" : "Remove",
    "value" : "remove"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "OperationType",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
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    "variableName" : "operationType",
    "variableType" : "OperationType",
    "documentation" : null,
    "simpleType" : "OperationType",
    "variableSetterType" : "OperationType"
  },
  "wrapper" : false
},
"PaymentOption" : {
  "c2jName" : "PaymentOption",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
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"documentation" : "<p>Describes the VPC peering connection options.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a
local VPC via ClassicLink to instances in a peer VPC.</p>"
},
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance
that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@returns {Boolean} If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
  "fluentSetterMethodName" : "withAllowEgressFromLocalClassicLinkToRemoteVpc",
  "getterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's
linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@returns Returns a reference to
this object so that method calls can be chained together.*/",
  "getterMethodName" : "getAllowEgressFromLocalClassicLinkToRemoteVpc",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
    "uri" : false
  },
  "idempotencyToken" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation": /**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.

"setterMethodName": "setAllowEgressFromLocalClassicLinkToRemoteVpc",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": /**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.

"getterDocumentation": /**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/

"enumType": null,
"fluentSetterDocumentation": /**<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

"fluentSetterMethodName": "withAllowEgressFromLocalVpcToRemoteClassicLink",
"getterDocumentation": /**<p>If true, enables outbound communication from instances in a local VPC to an
EC2-Classic instance that's linked to a peer VPC via ClassicLink.

/*
 * @return If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
 */

"getterMethodName" : "getAllowEgressFromLocalVpcToRemoteClassicLink",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalVpcToRemoteClassicLink",
"setterDocumentation" : "/*
 * If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
 */

allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

/*
 * @param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
 */

"setterMethodName" : "setAllowEgressFromLocalVpcToRemoteClassicLink",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/*
 * If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
 */

allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.

/*
 * @return Returns a reference to this object so that method calls can be chained together.
 */

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"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType" : "Boolean",
  "documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-
Classic instance that's linked to a peer VPC via ClassicLink.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "AllowDnsResolutionFromRemoteVpc",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses
when queried from instances in the peer VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private
IP addresses when queried from instances in the peer VPC.</p>\n@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP
addresses when queried from instances in the peer VPC.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withAllowDnsResolutionFromRemoteVpc",
"getterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP
addresses when queried from instances in the peer VPC.</p>
@return If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.*/",
"getterMethodName" : "getAllowDnsResolutionFromRemoteVpc",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllowDnsResolutionFromRemoteVpc",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allowDnsResolutionFromRemoteVpc",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"name": "AllowDnsResolutionFromRemoteVpc",
"setterDocumentation": "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>*/
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

setterMethodName": "setAllowDnsResolutionFromRemoteVpc",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowDnsResolutionFromRemoteVpc",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>*/
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowDnsResolutionFromRemoteVpc",
  "variableType": "Boolean",
  "documentation": "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>

simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "AllowDnsResolutionFromRemoteVpc": {
    "c2jName": "AllowDnsResolutionFromRemoteVpc",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>

enumType": null,
"fluentSetterDocumentation": "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>*/
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

fluentSetterMethodName": "withAllowDnsResolutionFromRemoteVpc",
"getterDocumentation": "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>*/
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
"return": Returns a reference to this object so that method calls can be chained together.
"xmlNameSpace": null,
"xmlNameSpaceUri": null
}
"getterMethodName" : "getAllowDnsResolutionFromRemoteVpc",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
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@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableSetterType" : "Boolean"
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@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
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@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
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"setterDocumentation" : "/**
* If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
* @param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
*/",
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  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
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* If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
* @param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "enumType" : null,
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* If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
* @param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withAllowEgressFromLocalVpcToRemoteClassicLink",
  "getterDocumentation" : "/**
* If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
* @return If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
*/
"}
communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/",
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"mapModel" : null,
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 * @param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
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  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**
 * @param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/
 * @return Returns a reference to this object so that method calls can be chained together.*/
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    "variableType" : "Boolean",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
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   "isStreaming" : false,
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   "statusCode" : false,
   "unmarshallLocationName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
   "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.*/",
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"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/** <p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
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"varargSetterDocumentation" : "/** <p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/",
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"fluentSetterDocumentation" : "/** <p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.</p>*/
@returns Returns a reference to this object so that method calls can be chained together.*/",}
"c2jShape" : "AllowEgressFromLocalVpcToRemoteClassicLink",
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"listModel": null,
"map": false,
"mapModel": null,
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@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/",
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  "variableSetterType": "Boolean"
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@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.*/",
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllowDnsResolutionFromRemoteVpc",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AllowDnsResolutionFromRemoteVpc",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>
@param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.*/",
"setterMethodName" : "setAllowDnsResolutionFromRemoteVpc",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "allowDnsResolutionFromRemoteVpc",
"variableType" : "Boolean"}
If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

```java
@Param
@AllowDnsResolutionFromRemoteVpc

public boolean getAllowDnsResolutionFromRemoteVpc()
```

If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.

```java
public void setAllowDnsResolutionFromRemoteVpc(boolean value)
```

Documentation:

The `allowDnsResolutionFromRemoteVpc` variable is a boolean that, when set to true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowDnsResolutionFromRemoteVpc",
"setterDocumentation" : "/**
 @param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
 @return Returns a reference to this object so that method calls can be chained together.
 */",

"setterMethodName" : "setAllowDnsResolutionFromRemoteVpc",
"setterModel" : {
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  "documentation" : "",
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  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 @param allowDnsResolutionFromRemoteVpc If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.
 @return Returns a reference to this object so that method calls can be chained together.
 */",

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  "variableType" : "Boolean",
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 @return Returns a reference to this object so that method calls can be chained together.
 */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "Boolean",
  "deprecated" : false,
"documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@return If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
*/",
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"documentation" : null
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"queryString" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation" : "/**<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>*/
@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setAllowEgressFromLocalClassicLinkToRemoteVpc",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
"variableType" : "Boolean"
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.\</p>\n@param allowEgressFromLocalClassicLinkToRemoteVpc If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.\</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
  "c2jName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.\</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.\</p>\n@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAllowEgressFromLocalVpcToRemoteClassicLink",
  "getterDocumentation" : "/**\<p>If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.\</p>\n@return If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/",
  "getterMethodName" : "getAllowEgressFromLocalVpcToRemoteClassicLink",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"setterDocumentation" : "/** If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/
@param allowEgressFromLocalVpcToRemoteClassicLink If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterDocumentation" : "/** If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/** If true, enables outbound communication from instances in a local VPC to an EC2-Classic instance that's linked to a peer VPC via ClassicLink.*/gresql
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null}
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PeeringConnectionOptionsRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "PeeringConnectionOptionsRequest",
  "variableName" : "peeringConnectionOptionsRequest",
  "variableType" : "PeeringConnectionOptionsRequest",
  "documentation" : null,
  "simpleType" : "PeeringConnectionOptionsRequest",
  "variableSetterType" : "PeeringConnectionOptionsRequest"
},
"wrapper" : false
},
"PermissionGroup" : {
  "c2jName" : "PermissionGroup",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "All",
    "value" : "all"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "PermissionGroup",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {

"variableDeclarationType" : "PermissionGroup",
"variableName" : "permissionGroup",
"variableType" : "PermissionGroup",
"documentation" : null,
"simpleType" : "PermissionGroup",
"variableSetterType" : "PermissionGroup"
},
"wrapper" : false
},
"Placement" : {
"c2jName" : "Placement",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the placement of an instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone of the instance.</p>*/",
"getterDocumentation" : "/**<p>The Availability Zone of the instance.</p>*/
getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
**AvailabilityZone**

- **The Availability Zone of the instance.**
  - **setterDocumentation**: `/**<p>The Availability Zone of the instance.</p>\n@param availabilityZone\nAvailability Zone of the instance.*/`  
  - **setterMethodName**: "setAvailabilityZone"

- **Availability Zone of the instance.**
  - **setterDocumentation**: `/**<p>The Availability Zone of the instance.</p>\n@param availabilityZone\nAvailability Zone of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/`  
  - **setterMethodName**: "setAvailabilityZone"

**GroupName**

- **The name of the placement group the instance is in (for cluster compute instances).**
  - **documentation**: `**<p>The name of the placement group the instance is in (for cluster compute instances).</p>**`
  - **documentation**: `**<p>The name of the placement group the instance is in (for cluster compute instances).</p>**`

- **c2jName**: "GroupName"
- **c2jShape**: "String"
- **deprecated**: false
- **documentation**: `"<p>The name of the placement group the instance is in (for cluster compute instances).</p>"`
- **enumType**: null
- **fluentsetterDocumentation**: `"/** <p>The name of the placement group the instance is in (for cluster compute instances).</p>**"

- **variable**: 
  - **c2jName**: "GroupName"
  - **c2jShape**: "String"
  - **deprecated**: false
  - **documentation**: `"<p>The name of the placement group the instance is in (for cluster compute instances).</p>"`
  - **enumType**: null
  - **fluentsetterDocumentation**: `"/** <p>The name of the placement group the instance is in (for cluster compute instances).</p>**"`
instances).</p>
@param groupName The name of the placement group the instance is in (for cluster compute instances).
@return Returns a reference to this object so that method calls can be chained together.*/
            "fluentSetterMethodName" : "withGroupName",
            "getterDocumentation" : "/**<p>The name of the placement group the instance is in (for cluster compute instances).</p>
            "getterMethodName" : "getGroupName",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
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                "additionalUnmarshallingPath" : null,
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                "greedy" : false,
                "header" : false,
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                "marshallLocationName" : "groupName",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "groupName",
                "uri" : false
            },
            "idempotencyToken" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "name" : "GroupName",
            "setterDocumentation" : "/**<p>The name of the placement group the instance is in (for cluster compute instances).
            "setterMethodName" : "setGroupName",
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                "variableDeclarationType" : "String",
                "variableName" : "groupName",
                "variableType" : "String",
                "documentation" : "",
                "simpleType" : "String",
                "variableSetterType" : "String"
            },
            "simple" : true,
            "varargSetterDocumentation" : "/**<p>The name of the placement group the instance is in (for cluster compute instances).
            "variable" : {

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"variableDeclarationType" : "String",
"variableName" : "groupName",
"variableType" : "String",
"documentation" : "The name of the placement group the instance is in (for cluster compute instances).",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
],
"c2jName" : "Tenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.

\[@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.\n\n@see Tenancy*/",
"fluentSetterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.\n\n@see Tenancy*/",
"getterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.\n\n@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"fluentSetterMethodName" : "withTenancy",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"fluentSetterMethodName" : "withTenancy",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"fluentSetterMethodName" : "withTenancy",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterDocumentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of dedicated runs on single-tenant hardware. The host tenancy is not supported for the ImportInstance command.
\n@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.<br/>
@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.
@see Tenancy*/",
"setterMethodName" : "setTenancy",
"setterModel" : {
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  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.<br/>
@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.</p>
"
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "HostId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.</p>&lt;/p&gt;
@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withHostId",
"getterDocumentation": "/**<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.</p>
@return The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.*/",
"getterMethodName": "getHostId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "HostId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "hostId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "HostId",
"setterDocumentation": "/**<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.</p>&lt;/p&gt;
@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.
*/",
"setterMethodName": "setHostId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "hostId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation" : "/**<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.</p>\n@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.</p>
  "returnType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null,
"c2jShape" : "Affinity",
"c2jName" : "Affinity",
"enumType" : null,
"documentation" : "<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>
\n@return The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n@interface Affinity
\n@end

"getAffinity" : {
  "getterDocumentation" : "<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Affinity",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "affinity",
  "uri" : false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Affinity",
"setterDocumentation": "/**<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>
@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.*/",
"setterMethodName": "setAffinity",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "affinity",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>
@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Affinity": {
    "c2jName": "Affinity",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>
@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withAffinity",..."
"getterDocumentation" : "The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n@return The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n","getterMethodName" : "getAffinity",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "affinity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Affinity",
"setterDocumentation" : "The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n@return Returns a reference to this object so that method calls can be chained together.\n"setterMethodName" : "setAffinity",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n@param affinity The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.\n\n@return Returns a reference to this object so that method calls can be chained together.\n"variable" : {
"variableDeclarationType" : "String",
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@param groupName The name of the placement group the instance is in (for cluster compute instances).
@return Returns a reference to this object so that method calls can be chained together.*/",

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@param groupName The name of the placement group the instance is in (for cluster compute instances).
@return Returns a reference to this object so that method calls can be chained together.*/",

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@return The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.*/",
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@param hostId The ID of the Dedicated Host on which the instance resides. This parameter is not supported for the <a>ImportInstance</a> command.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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 "documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.</p>\n@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.\n@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
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 "getterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.</p>\n@return The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.\n@see Tenancy*/",
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@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
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  "variableSetterType" : "String"
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@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for the <a>ImportInstance</a> command.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
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  "enums" : null,
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    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@override
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The name of the placement group.</p>
@override
@return The name of the placement group.*/",
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    "fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@override
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The name of the placement group.</p>
@override
@return The name of the placement group.*/",}]
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  "statusCode" : false,
  "unmarshallLocationName" : "groupName",
  "uri" : false
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 * @param groupName The name of the placement group.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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  "variableSetterType" : "String"
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 * @param groupName The name of the placement group.
 * @return Returns a reference to this object so that method calls can be chained together. */",
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  "enumType" : "PlacementStrategy",
  "fluentSetterDocumentation" : "/**<p>The placement strategy.</p>
@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together
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  "getterDocumentation" : "/**<p>The placement strategy.</p>
@return The placement strategy.
@see PlacementStrategy*/",
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@param strategy The placement strategy.
@return Returns a reference to this object so that method calls can be chained together.
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"documentation" : "<p>The state of the placement group.</p>",
"enumType" : "PlacementGroupState",
"fluentSetterDocumentation" : "/**<p>The state of the placement group.</p>
@param state The state of the placement group.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementGroupState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the placement group.</p>
@return The state of the placement group.
@see PlacementGroupState*/",
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@param groupName The
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@return Returns a reference to this object so that method calls can be chained
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  "simpleType" : "String",
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@param state The state of the placement group.
@return Returns a reference to this object so that method calls can be chained together.
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@return The state of the placement group.
@see PlacementGroupState*/",
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"map" : false,
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"setterDocumentation" : "/**<p>The state of the placement group.</p>
@param state The state of the placement group.
@return Returns a reference to this object so that method calls can be chained together.
@see PlacementGroupState*/",
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  "variableType" : "String",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\n * The state of the placement group.
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 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see PlacementGroupState*/",
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    "deprecated" : false,
    "documentation" : "<p>The placement strategy.</p>",
    "enumType" : "PlacementStrategy",
    "fluentSetterDocumentation" : "/**\n * The placement strategy.
 * \n * @param strategy The placement strategy.
 * \n * @return Returns a reference to this object so that method calls can be chained together.
 * \n * @see PlacementStrategy*/",
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    "getterDocumentation" : "/**\n * The placement strategy.
 * \n * @return The placement strategy.
 * \n * @see PlacementStrategy*/",
    "getterMethodName" : "getStrategy",
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@param strategy The placement strategy.
@see PlacementStrategy*/",
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@return Returns a reference to this object so that method calls can be chained together.
@see PlacementStrategy*/",
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  "variableType" : "String",
  "documentation" : "<p>The placement strategy.</p>",
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  "variableSetterType" : "String"
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  "resultWrapper" : null
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  "variableType" : "PlacementGroup",
  "documentation" : "",
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  "variableSetterType" : "PlacementGroup"
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  "skipGeneratingUnmarshaller" : false
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  "value" : "available"
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}, {
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  "value" : "deleted"
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  }
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"value": "Windows"
}
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"hasPayloadMember": false,
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"requestSignerClassFqcn": null,
"required": null,
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"resultWrapper": null
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"variableType": "PlatformValues",
"documentation": null,
"simpleType": "PlatformValues",
"variableSetterType": "PlatformValues"
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"skipGeneratingUnmarshaller": false
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  "enumType" : null,
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  "getterDocumentation" : "/**<p>The first port in the range.</p>\n@return The first port in the range.*/",
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  "getterModel" : { 
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    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "from",
    "uri" : false
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  "map" : false,
  "mapModel" : null,
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  "setterModel" : { 
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    "variableSetterType" : "Integer"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Integer",
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  "variableSetterType" : "Integer"
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@param to The last port in the range.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The last port in the range.*/",
"getterMethodName" : "getTo",
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  "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The first port in the range.*/",
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  "variableType" : "PortRange",
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  "enums" : null,
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     "enumType" : null,
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\@param prefixListId The ID of the prefix.\*/",
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\@return Returns a reference to this object so that method calls can be chained together.*/",
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  "uri": false
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"list": false,
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  "isStreaming": false,
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"c2jShape" : "ValueStringList",
"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The IP address range of the AWS service.*/",
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"getterModel" : {
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  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "cidrSet",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "String",
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@return Returns a reference to this object so that
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"getterDocumentation" : "/**
@return */",
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"documentation" : null
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"isStreaming" : false,
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"queryString" : false,
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"list" : false,
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@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
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"setterModel" : {
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
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"variableType" : "String"
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"variableSetterType" : "String"
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"templateType" : "java.util.List<String>
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"map" : false,
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"name" : "Cidrs",
"setterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/",
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"variableName" : "cidrs",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/

@Retention(.annotationRetention.RUNTIME)@Target(ElementType.PARAMETER)
public @interface Cidrs {

String[] cidrs();
}

@Cidrs({"1.2.3.4/24","5.6.7.8/32"})
public class Test {

}"
"membersAsMap" : {},
"Cidrs" : {
  "c2jName" : "Cidrs",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>The IP address range of the AWS service.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@throws RuntimeException
@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withCidrs",
  "getterDocumentation" : "/**<p>The IP address range of the AWS service.</p>
@throws RuntimeException
@return The IP address range of the AWS service.*/",
  "getterMethodName" : "getCidrs",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CidrSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "cidrSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@throws RuntimeException
@return Returns a reference to this object so that method calls can be chained
together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**
@throws RuntimeException
@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
      }
    }
  }
}
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Cidrs",
"setterDocumentation" : /**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/
"setterMethodName" : "setCidrs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "cidrs",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : /**<p>The IP address range of the AWS service.</p>
@param cidrs The IP address range of the AWS service.*/
This method appends the values to the existing list (if any). Use @link setCidrs(java.util.Collection) or @link
withCidrs(java.util.Collection) if you want to override the existing values.
"setterMethodSignature" : "setCidrs(java.util.Collection<String>)",
"returnDocumentation" : /**
@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "cidrs",
"variableType" : "java.util.List<String>",
"documentation" : "the IP address range of the AWS service.
<p><b>NOTE:</b>
This method appends the values to the existing list (if any). Use @link #setCidrs(java.util.Collection) or @link
#withCidrs(java.util.Collection) if you want to override the existing values.</p>
"xmlNameSpaceUri" : null
},
"PrefixListId" : {
"c2jName" : "PrefixListId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "the ID of the prefix."}
"documentation" : "<p>The ID of the prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrefixListName" : {
 "c2jName" : "PrefixListName",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The name of the prefix.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The name of the prefix.</p>
 @param prefixListName The name of the prefix.
 @return Returns a reference to this object so that method calls can be chained together.
 */",
 "fluentSetterMethodName" : "withPrefixListName",
 "getterDocumentation" : "/**<p>The name of the prefix.</p>
 @return The name of the prefix.
 */",
 "getterMethodName" : "getPrefixListName",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "PrefixListName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "prefixListName",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "PrefixListName",
 "setterDocumentation" : "/**<p>The name of the prefix.</p>
 @param prefixListName The name of the prefix.
 */",
 "setterMethodName" : "setPrefixListName",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "prefixListName",
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe name of the prefix.\n@param prefixListName The name of the prefix.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "prefixListName",
"variableType" : "String",
"documentation" : "<p>The name of the prefix.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "PrefixList",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "PrefixList",
"variableName" : "prefixList",
"variableType" : "PrefixList",
"documentation" : null,
"simpleType" : "PrefixList",
"variableSetterType" : "PrefixList"
},
"wrapper" : false
},
"PrefixListId" : {
"c2jName" : "PrefixListId",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>The ID of the prefix.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "PrefixListId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the prefix.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the prefix.</p>
@<param prefixListId The ID of the prefix.</param>*/",
  "fluentSetterMethodName" : "withPrefixListId",
  "getterDocumentation" : "/**<p>The ID of the prefix.</p>
@return The ID of the prefix.*/",
  "getterMethodName" : "getPrefixListId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattned" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PrefixListId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "prefixListId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "PrefixListId",
  "setterDocumentation" : "/**<p>The ID of the prefix.</p>
@<param prefixListId The ID of the prefix.</param>*/",
  "setterMethodName" : "setPrefixListId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "prefixListId",
    "variableType" : "String"}
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The ID of the prefix.</p>
@param prefixListId The ID of the prefix.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "prefixListId",
"variableType": "String",
"documentation": "<p>The ID of the prefix.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"PrefixListId": {
"c2jName": "PrefixListId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the prefix.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
@param prefixListId The ID of the prefix.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrefixListId",
"getterDocumentation": "/**
@return The ID of the prefix.*",
"getMethodDescription": "getPrefixListId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PrefixListId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "prefixListId",
"uri": false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrefixListId",
"setterDocumentation" : "/**\n * The ID of the prefix.
 * \n * @param prefixListId The ID of the prefix.
 */",
"setterMethodName" : "setPrefixListId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "prefixListId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the prefix.
 * @param prefixListId The ID of the prefix.
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "prefixListId",
"variableType" : "PrefixListId",
"documentation" : null,
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"xmlNameSpaceUri" : null
]}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PrefixListId",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "PrefixListId",
"variableName" : "prefixListId",
"variableType" : "PrefixListId",
"documentation" : null,
"simpleType" : "PrefixListId",
"variableSetterType" : "PrefixListId"
},
"wrapper" : false
}
"PriceSchedule" : {
  "c2jName" : "PriceSchedule",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the price for a Reserved Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Term",
      "c2jShape" : "Long",
      "deprecated" : false,
      "documentation" : "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>"
    },
    {
      "c2jName" : "Term",
      "c2jShape" : "Long",
      "deprecated" : false,
      "documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires."
    },
    {
      "c2jName" : "Term",
      "c2jShape" : "Long",
      "deprecated" : false,
      "documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires."
    },
    {
      "c2jName" : "Term",
      "c2jShape" : "Long",
      "deprecated" : false,
      "documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires."
    }
  ],
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Term",
    "queryString" : false
  }
}
"statusCode" : false,
"unmarshallLocationName" : "term",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Term",
"setterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p><p>@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/",
"setterMethodName" : "setTerm",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "term",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p><p>@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "term",
  "variableType" : "Long",
  "documentation" : "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Price",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The fixed price for the term.</p>",
"enumType" : null,
"fluonetSetterDocumentation" : "/**<p>The fixed price for the term.</p><p>@param price The fixed price for the term.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluonetSetterMethodName" : "withPrice",
"getterDocumentation" : "/**<p>The fixed price for the term.</p><p>@return The fixed price for the term.</p>*/"
"getterMethodName" : "getPrice",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Price",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "price",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"name" : "Price",

"setterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setPrice",

"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "<p>The fixed price for the term.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null

"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.,",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@return Returns a reference to this object so that method calls can be chained together.

\@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

\@return Returns a reference to this object so that method calls can be chained together.

\@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "$p> The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.<p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Active",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "$p> The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.<p> <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\p> The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.<p> <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.<p>
@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withActive",
"getterDocumentation" : "/**\p> The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.<p> <p>A specific price schedule is always in effect, but only one price schedule
can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term.
When you specify price schedules for five months and two months, this means that schedule 1, covering the first
three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two
months of the term, will be active for months 2 and 1.<p>
@return The current price schedule, as determined by
the term remaining for the Reserved Instance in the listing.</p>
A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.*/",

"getterMethodName" : "getActive",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Active",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "active",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Active",
"setterDocumentation" : "/* *
The current price schedule, as determined by the term remaining for the
Reserved Instance in the listing.</p>
A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.*/",

"setterMethodName" : "setActive",
"setterModel" : {

"variableDeclarationType" : "Boolean",
"variableName" : "active",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The current price schedule, as determined by the term remaining for the
Reserved Instance in the listing. */<p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. <code>@return</code> Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "active",
  "variableType" : "Boolean",
  "documentation" : "The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. </p>
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "Active" : {
    "c2jName" : "Active",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
    "enumType" : null,
    "fluentSetterDocumentation" : "The current price schedule, as determined by the term remaining for the
Reserved Instance in the listing. <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.
  "*/
  "}"
A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

```
@getActive

The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

@returns Returns a reference to this object so that method calls can be chained together.
```

```
"fluentSetterMethodName": "withActive",
"getterDocumentation": "/**<p>The current price schedule, as determined by the term remaining for the Reserved Instance in the listing. A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getActive",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Active",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "active",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
**Active**

A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

```java
@Param active The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.

A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.

```

```
@Retention(RetentionPolicy.RUNTIME) @Target(ElementType.METHOD) public interface Active {
    public void setActive(boolean active);
}

```

```
```

```
```
"CurrencyCode" : {
    "c2jName" : "CurrencyCode",
    "c2jShape" : "CurrencyCodeValues",
    "deprecated" : false,
    "documentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.",
    "enumType" : "CurrencyCodeValues",
    "fluentSetterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.
'\n@\n@param currencyCode \n\n@return Returns a reference to this object so that method calls can be chained together.\n@\n@see CurrencyCodeValues*/",
    "fluentSetterMethodName" : "withCurrencyCode",
    "getterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

'\n@\n@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

@\n@see CurrencyCodeValues*/"
    "getterMethodName" : "getCurrencyCode",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CurrencyCode",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "currencyCode",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CurrencyCode",
    "setterDocumentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.

'\n@\n@param currencyCode \n\n@return Returns a reference to this object so that method calls can be chained together.\n@\n@see CurrencyCodeValues*/"
    "setterMethodName" : "setCurrencyCode",
    "setterModel" : {"returnType" : "String", "documentation" : null}
The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>. The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.

```
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.

// The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.

// Returns a reference to this object so that method calls can be chained together.

Price": {
  "c2jName": "Price",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": "The fixed price for the term.

// The fixed price for the term.

// Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withPrice",
"getterDocumentation": "The fixed price for the term.

// The fixed price for the term.

// Returns the fixed price for the term.

"getterMethodName": "getPrice",
"getterModel": {
  "returnType": "Double",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Price",
  "xmlNameSpaceUri": null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "price",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Price",
"setterDocumentation" : "/**<p>The fixed price for the term.</p><p>@param price The fixed price for the term.</p>*/",
"setterMethodName" : "setPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The fixed price for the term.</p><p>@param price The fixed price for the term.<br@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "<p>The fixed price for the term.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"Term" : {
  "c2jName" : "Term",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p><p>@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.<br@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withTerm",
  "getterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the
second to the last month before the capacity reservation expires.

<br/>

@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.

<br/>

"getterMethodName" : "getTerm",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Term",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "term",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Term",
"setterDocumentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.

<br/>

@return Returns a reference to this object so that method calls can be chained together.

<br/>

"setterMethodName" : "setTerm",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "term",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.

<br/>

@return Returns a reference to this object so that method calls can be chained together.

<br/>

"variable" : {
  "variableDeclarationType" : "Long"
"variableName": "term",
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"documentation": "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
"simpleType": "Long",
"variableSetterType": "Long"
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"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "PriceSchedule",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "PriceSchedule",
"variableName": "priceSchedule",
"variableType": "PriceSchedule",
"documentation": null,
"simpleType": "PriceSchedule",
"variableSetterType": "PriceSchedule"
},
"wrapper": false
},
"PriceScheduleSpecification": {
"c2jName": "PriceScheduleSpecification",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes the price for a Reserved Instance.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "Term",
"c2jShape": "Long",
"simpleType": "Long",
"variableSetterType": "Long"
],
"xmlNameSpaceUri": null
}
"deprecated" : false,
"documentation" : "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>
@param term The number of months remaining in the reservation. For example, term=2 is the second to the last month before the capacity reservation expires.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withTerm",
"getterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>
@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.*/",
"getterMethodName" : "getTerm",
"getterModel" : {
  "returnType" : "Long",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Term",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "term",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Term",
"setterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>
@param term The number of months remaining in the reservation. For example, term=2 is the second to the last month before the capacity reservation expires.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setTerm",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "term",
  "variableType" : "Long",
  "documentation" : ""}
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n*/
@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Long",
"variableName" : "term",
"variableType" : "Long",
"documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.\n",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "Price",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "The fixed price for the term.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nThe fixed price for the term.\n*/
@param price The fixed price for the term.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrice",
"getterDocumentation" : "/**\nThe fixed price for the term.\n*/
@return The fixed price for the term.*/",
"getterMethodName" : "getPrice",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Price",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "price",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Price",
"setterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
*/",
"setterMethodName" : "setPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "price",
  "variableType" : "Double",
  "documentation" : "The fixed price for the term.\n",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@return The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.

@see CurrencyCodeValues

The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>. Returns a reference to this object so that method calls can be chained together.

The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
The currency for transacting the Reserved Instance resale. At this time, the only supported currency is $\text{USD}$.

- **getterMethod**
  - **returnType** : "String"
  - **documentation** : null

- **http**
  - **additionalMarshallingPath** : null
  - **additionalUnmarshallingPath** : null
  - **flattened** : false
  - **greedy** : false
  - **header** : false
  - **isPayload** : false
  - **isStreaming** : false
  - **location** : null
  - **marshallLocationName** : "CurrencyCode"
  - **queryString** : false
  - **statusCode** : false
  - **unmarshallLocationName** : "currencyCode"
  - **uri** : false

- **idempotencyToken** : false
- **list** : false
- **listModel** : null
- **map** : false
- **mapModel** : null
- **name** : "CurrencyCode"
- **setterDocumentation** : "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is $\text{USD}$.

```java
public void withCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
}
```

```java
public String getCurrencyCode() {
    return this.currencyCode;
}
```

@see CurrencyCodeValues
CurrencyCodeValues*/

setterMethodName" : "setCurrencyCode",
setterModel" : {
variableDeclarationType" : "String",
variableName" : "currencyCode",
variableType" : "String",
documentation" : "",
simpleType" : "String",
variableSetterType" : "String"
},
simple" : true,
varargSetterDocumentation" : "/**<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>. The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.<p>
@param currencyCode The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this object so that method calls can be chained together.<p></p>*/",

variable" : {
variableDeclarationType" : "String",
variableName" : "currencyCode",
variableType" : "String",
documentation" : "<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.</p>",
simpleType" : "String",
variableSetterType" : "String"
},
xmlNameSpaceUri" : null
},
"Price" : {
c2jName" : "Price",
c2jShape" : "Double",
derprecated" : false,
documentation" : "<p>The fixed price for the term.</p>",
enumType" : null,
fluentSetterDocumentation" : "/**<p>The fixed price for the term.</p>\n@param price The fixed price for the term.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
fluentSetterMethodName" : "withPrice",
getterDocumentation" : "/**<p>The fixed price for the term.</p>\n@return The fixed price for the term.*/",
getterMethodName" : "getPrice",
getterModel" : {
returnType" : "Double",
documentation" : null
},
http" : {
additionalMarshallingPath" : null,
additionalUnmarshallingPath" : null,
flattened" : false,
greedy" : false,
header" : false,
isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Price",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "price",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Price",
"setterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrice",
"setterModel" : {
 "variableDeclarationType" : "Double",
 "variableName" : "price",
 "variableType" : "Double",
 "documentation" : "",
 "simpleType" : "Double",
 "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The fixed price for the term.</p>
@param price The fixed price for the term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "Double",
 "variableName" : "price",
 "variableType" : "Double",
 "documentation" : "<p>The fixed price for the term.</p>",
 "simpleType" : "Double",
 "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"Term" : {
 "c2jName" : "Term",
 "c2jShape" : "Long",
 "deprecated" : false,
 "documentation" : "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>\n@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation"}
expires.

@return Returns a reference to this object so that method calls can be chained together. */

/*<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/

@return The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires. */

/*<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/

@param term The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires. */

/*<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/

/*<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>*/
expires.

@return Returns a reference to this object so that method calls can be chained together.*"/

  "variable" : {
    "variableDeclarationType" : "Long",
    "variableName" : "term",
    "variableType" : "Long",
    "documentation" : "The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires."",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
  },
  "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PriceScheduleSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PriceScheduleSpecification",
  "variableName" : "priceScheduleSpecification",
  "variableType" : "PriceScheduleSpecification",
  "documentation" : null,
  "simpleType" : "PriceScheduleSpecification",
  "variableSetterType" : "PriceScheduleSpecification"
},
"wrapper" : false
},
"PricingDetail" : {
  "c2jName" : "PricingDetail",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a Reserved Instance offering."",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
"members" : [ 
  
  "c2jName" : "Price",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The price per instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The price per instance.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrice",
  "getterDocumentation" : "/**<p>The price per instance.</p>
  @return The price per instance.*/",
  "getterMethodName" : "getPrice",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Price",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "price",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Price",
  "setterDocumentation" : "/**<p>The price per instance.</p>
  @param price The price per instance.*/",
  "setterMethodName" : "setPrice",
  "setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "price",
    "variableType" : "Double",
    "documentation" : "",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The price per instance.</p>
  @param price The price per
instance.

@<p>The price per instance.</p>

@<p>The number of reservations available for the price.</p>

@<p>The number of reservations available for the price.</p>

@<p>The number of reservations available for the price.</p>
"setterDocumentation" : "/**<p>The number of reservations available for the price.</p>@param count The number of reservations available for the price.</p>*/",
"setterMethodName" : "setCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of reservations available for the price.</p>@param count The number of reservations available for the price.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "<p>The number of reservations available for the price.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "Count" : {
    "c2jName" : "Count",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of reservations available for the price.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of reservations available for the price.</p>@param count The number of reservations available for the price.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withCount",
    "getterDocumentation" : "/**<p>The number of reservations available for the price.</p>@return The number of reservations available for the price.</p>",
    "getterMethodName" : "getCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "lax" : false,
      "required" : false,
      "simple" : true,
      "xmlNameSpaceUri" : null
    }
  }
}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Count",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "count",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Count",
"setterDocumentation" : "/**<p>The number of reservations available for the price.</p>
@param count The number of reservations available for the price.</param> */",
"setterMethodName" : "setCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of reservations available for the price.</p>
@param count The number of reservations available for the price.</param> \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "count",
  "variableType" : "Integer",
  "documentation" : "<p>The number of reservations available for the price.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Price" : {
  "c2jName" : "Price",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The price per instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The price per instance.</p>
@param price The price per instance.</param>\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "price",
    "variableType" : "Double",
    "documentation" : "<p>The price per instance.</p>",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  },
  "xmlNameSpaceUri" : null
}
instance.

@return Returns a reference to this object so that method calls can be chained together.

@fluentSetterMethodName() 

getterDocumentation() {
/**
 * The price per instance.
 */

getterMethodName() : getPrice

getterModel() : {

returnType() : "Double",

documentation() : null

}

http() : {

additionalMarshallingPath() : null,

additionalUnmarshallingPath() : null,

flattened() : false,

greedy() : false,

header() : false,

isPayload() : false,

isStreaming() : false,

location() : null,

marshallLocationName() : "Price",

queryString() : false,

statusCode() : false,

unmarshallLocationName() : "price",

uri() : false

}

idempotencyToken() : false,

list() : false,

listModel() : null,

map() : false,

mapModel() : null,

name() : "Price",

setterDocumentation() {

/**
 * The price per instance.
 */

setterMethodName() : "setPrice",

getterMethod() : {

returnType() : "Double",

name() : "price",

documentation() : "",

variableDeclarationType() : "Double",

variableName() : "price",

variableType() : "Double",

simpleType() : "Double",

variableSetterType() : "Double"

}

simple() : true,

varargSetterDocumentation() {

/**
 * The price per instance.
 */

varargSetterMethodName() : "withPrice",

return() ;
}


"variableSetterType" : "Double",
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PricingDetail",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "PricingDetail",
 "variableName" : "pricingDetail",
 "variableType" : "PricingDetail",
 "documentation" : null,
 "simpleType" : "PricingDetail",
 "variableSetterType" : "PricingDetail"
},
"wrapper" : false
},
"PrivateIpAddressSpecification" : {
 "c2jName" : "PrivateIpAddressSpecification",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Describes a secondary private IPv4 address for a network interface.</p>",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [
 
 "c2jName" : "PrivateIpAddress",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The private IPv4 addresses.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>*/
 @param privateIpAddress The private IPv4 addresses.
 @return Returns a reference to this object so that method calls can be chained together.
 */",  
  

"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 addresses.\n@return The private IPv4 addresses.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 addresses.\n@param privateIpAddress The private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 addresses.\n@param privateIpAddress The private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 addresses.</p>",
  "simpleType" : "String",}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only one
IPv4 address can be designated as primary.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4 address.
Only one IPv4 address can be designated as primary.</p>\n@return Indicates whether the private IPv4 address is the
primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4 address.
Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private IPv4
address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"setterMethodName" : "setPrimary",

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"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"Primary" : {
"c2jName" : "Primary",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@return Indicates whether the private IPv4
address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,

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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Primary",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "primary",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the private IPv4 address is the primary private IPv4
address. Only one IPv4 address can be designated as primary.</p>\n@param primary Indicates whether the private
IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only
one IPv4 address can be designated as primary.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
"c2jName" : "PrivateIpAddress",

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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddress The private IPv4 addresses.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@return The private IPv4 addresses.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddress The private IPv4 addresses.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddress The private IPv4 addresses.*/
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "<p>The private IPv4 addresses.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "PrivateIpAddress" ],
"shapeName" : "PrivateIpAddressSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PrivateIpAddressSpecification",
  "variableName" : "privateIpAddressSpecification",
  "variableType" : "PrivateIpAddressSpecification",
  "documentation" : null,
  "simpleType" : "PrivateIpAddressSpecification",
  "variableSetterType" : "PrivateIpAddressSpecification"
},
"wrapper" : false
},
"ProductCode" : {
  "c2jName" : "ProductCode",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a product code.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "ProductCodeId",
  }}]
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The product code.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The product code.</p>
@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProductCodeId",
"getterDocumentation" : "/**<p>The product code.</p>
@return The product code.*/",
"getterMethodName" : "getProductCodeId",
"getterModel" : {
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"isStreaming" : false,
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"uri" : false
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@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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@param productCodeId The product code.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "ProductCodeValues",
"deprecated" : false,
"documentation" : "<p>The type of product code.</p>",
"enumType" : "ProductCodeValues",
"fluentSetterDocumentation" : "/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.
@see ProductCodeValues*/",
"fluentSetterMethodName" : "withProductCodeType",
"getterDocumentation" : "/**<p>The type of product code.</p>
@return The type of product code.
@see ProductCodeValues*/",
"getterMethodName" : "getProductCodeType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"mapModel" : null,
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"setterDocumentation" : ""/**<p>The type of product code.</p>
@param productCodeType The type of product code.
@return Returns a reference to this object so that method calls can be chained together.
@see ProductCodeValues*/"."
"setterMethodName" : "setProductCodeType",
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 "variableName" : "productCodeType",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
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 "simpleType" : "String",
 "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": null,
"simpleType": "ProductCode",
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"skipGeneratingUnmarshaller": false
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"value": "devpay"
}, {
"name": "Marketplace",
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} ],
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"required" : null,
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    "simpleType" : "ProductCodeValues",
    "variableSetterType" : "ProductCodeValues"
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<br/>",
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<br/>",
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<br/>
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@returns Returns a reference to this object so that method calls can be chained together.

<br/>",
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<br/>
@returns The ID of the virtual private gateway (VGW).
<br/>
@returns The ID of the virtual private gateway (VGW).
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  "statusCode": false,
  "unmarshallLocationName": "gatewayId",
  "uri": false
},
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"list": false,
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@param gatewayId The ID of the virtual private gateway (VGW).
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "map": false,
    "mapModel": null,
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "\*/\*\nThe ID of the virtual private gateway (VGW).
\n@param gatewayId The ID of the virtual private gateway (VGW).
\n@return Returns a reference to this object so that method
calls can be chained together.*/",
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\n\</p>",
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  "variableSetterType" : "String"
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  "variableType" : "PropagatingVgw",
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  "variableSetterType" : "PropagatingVgw"
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "documentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/>
"Support Center</a>.<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home/>
"Support Center</a>.<p>
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    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "provisioned",
    "uri" : false
  }
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.",
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  "variableName" : "provisioned",
  "variableType" : "String",
  "setterModel" : {

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    }
  }
}
"xmlNameSpaceUri" : null
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@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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  "greedy" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "requested",
  "uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Requested",
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@param requested Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param requested Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.<br />
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
"simpleType" : "String",
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"c2jShape" : "DateTime",
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@param requestTime Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.<br />
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@return Reserved. If you need to sustain traffic greater than the <a href="https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.<br />
@Entity
@end

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"getterMethodName" : "getRequestTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"unmarshallLocationName" : "requestTime",
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@param requestTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html" document limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html" document limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
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  "variableType": "java.util.Date",
  "documentation": "",
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  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html" document limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a></p>
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html" document limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "provisionTime",
  "variableType": "java.util.Date",
  "documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html" document limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"c2jName": "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. </p>",
"enumType" : null,
@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. 
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. </p>
@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. </p>
@param status Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>. 
@return Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName" : "withStatus"}
Returns a reference to this object so that method calls can be chained together.*/

"getterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@return Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>).*"/",

"getterMethodName" : "getProvisionTime",

"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProvisionTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "provisionTime",
  "uri" : false,
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ProvisionTime",

"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param provisionTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>).*"/",

"setterMethodName" : "setProvisionTime",

"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "provisionTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

@returns a reference to this object so that method calls can be chained together.

**variable**: {
  "variableDeclarationType": "java.util.Date",
  "variableName": "provisionTime",
  "variableType": "java.util.Date",
  "documentation": "Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

  @return Returns a reference to this object so that method calls can be chained together.
  */
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Provisioned",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "provisioned",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Provisioned",
"setterDocumentation" : "/**<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
@param provisioned Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setProvisioned",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "provisioned",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
@param provisioned Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "provisioned",
  "variableType" : "String"
Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

```

c2jName" : "RequestTime",
"c2jShape" : "DateTime",
"deprecated" : false,

"documentation" : "Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

@method withRequestTime

return Returns a reference to this object so that method calls can be chained together.

getterMethodName" : "getRequestTime",
getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},

http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequestTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requestTime",
```
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequestTime",
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRequestTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "requestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
@param requestTime Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "requestTime",
  "variableType" : "java.util.Date",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"Requested" : {
  "c2jName" : "Requested",
  "c2jShape" : "String",
  "deprecated" : false,
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}
Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

Returns a reference to this object so that method calls can be chained together.

Reserved. If you need to sustain traffic greater than the documented limits, contact us through the Support Center.

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contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.

```java
setterMethodName" : "setRequested",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "requested",
    "variableType" : "String",
    "documentation" : ",",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

```java
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "requested",
    "variableType" : "String",
    "documentation" : <p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>
},
"xmlNameSpaceUri" : null
}

```java
Status" : {
    "c2jName" : "Status",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

```java
"fluentSetterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

```java
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

```java
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

```java
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>."

@return

Returns a reference to this object so that method calls can be chained together. */

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ProvisionedBandwidth",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ProvisionedBandwidth",
"variableName" : "provisionedBandwidth",
"variableType" : "ProvisionedBandwidth",
"documentation" : null,
"simpleType" : "ProvisionedBandwidth",
"variableSetterType" : "ProvisionedBandwidth"
},
"wrapper" : false
},
"Purchase" : {
"c2jName" : "Purchase",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the result of the purchase.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "HostReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the reservation.</p>
@<p@param hostReservationId The ID of the reservation.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the reservation.</p>
@return The ID of the reservation.*/",
  "getterMethodName" : "getHostReservationId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostReservationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostReservationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "HostReservationId",
  "setterDocumentation" : "/**<p>The ID of the reservation.</p>
@<p@param hostReservationId The ID of the reservation.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setHostReservationId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "hostReservationId",
    "variableType" : "String",
  }
} ]
}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the reservation.</p>
@param hostReservationId The ID of
the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hostReservationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},{
  "c2jName" : "HostIdSet",
  "c2jShape" : "ResponseHostIdSet",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@return The IDs of the Dedicated Hosts associated with the reservation.*/",
  "fluentSetterMethodName" : "withHostIdSet",
  "getterDocumentation" : "/*\n<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@return The IDs of the Dedicated Hosts associated with the reservation.*/",
  "getterMethodName" : "getHostIdSet",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "HostIdSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "hostIdSet",
    "uri" : false
  },
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    }
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  }
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member *
 * @return */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/", 
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**
<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.</*/", 
"setterMethodName" : "setHostIdSet",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "hostIdSet",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
"varargSetterDocumentation" : "/**
<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@b><NOTE:s/b> This method appends the values to the existing list (if any). Use [@link #setHostIdSet(java.util.Collection)] or [@link #withHostIdSet(java.util.Collection)] if you want to override the existing values. 
@return Returns a reference to this object so that method calls can be chained together.*/", 
"xmlNameSpaceUri" : null}
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of the Dedicated Hosts associated with the reservation."",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceFamily",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The instance family on the Dedicated Host that the reservation can be associated with.

"enumType" : null,
"fluentSetterDocumentation" : "The instance family on the Dedicated Host that the reservation can be associated with.

@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "The instance family on the Dedicated Host that the reservation can be associated with.

@return The instance family on the Dedicated Host that the reservation can be associated with.

"getterMethodName" : "getInstanceFamily",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceFamily",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceFamily",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "InstanceFamily",
"setterDocumentation": "/**\n@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.*/",
"setterMethodName": "setInstanceFamily",
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  "variableSetterType" : "String"
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@param paymentOption The payment option for the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see PaymentOption*/",
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"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.
@see UpfrontPrice*/",}
upfront price of the reservation.

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"enumType" : null,
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@param hourlyPrice The hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be chained together. */",
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@return The hourly price of the reservation per hour. */",
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@param hourlyPrice The hourly price of the reservation per hour.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setHourlyPrice"
The hourly price of the reservation per hour.

```java
@param hourlyPrice
@return Returns a reference to this object so that method calls can be chained together.
```

```
/**
 * The hourly price of the reservation per hour.
 */
```

```
@see CurrencyCodeValues
```

```
returns a reference to this object so that method calls can be chained together.
```

```java
withCurrencyCode
```

```java
return
```

```java
return
```

```java
@see CurrencyCodeValues
```

```java
return
```

```java
return
```
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@see CurrencyCodeValues*/",
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@see CurrencyCodeValues*/",
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  "documentation" : null
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@param duration The duration of the reservation's term in seconds.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "CurrencyCodeValues",
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@param currencyCode The currency in which the <code>UpfrontPrice</code> and <code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
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@return The currency in which the <code>UpfrontPrice</code> and <code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
@see CurrencyCodeValues*/",
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<code>USD</code>.</p>
@param currencyCode The currency in which the <code>UpfrontPrice</code> and
<code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
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<code>USD</code>.</p>
@param currencyCode The currency in which the <code>UpfrontPrice</code> and
<code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is
<code>USD</code>.</p>
@return Returns a reference to this object so that method calls can be chained
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<code>USD</code>.</p>
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   * @return Returns a reference to this object so that method calls can be
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   * @return The duration of the reservation's term in seconds.
   */",
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   * @param duration The duration of the reservation's term in seconds.
   * @return Returns a reference to this object so that method calls can be
   * chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together. */",
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"documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**\n<p>The IDs of the Dedicated Hosts associated with the reservation.</p>
@return The IDs of the Dedicated Hosts associated with the reservation. */",
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     * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**
     * @return */",
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      "documentation": null
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    "mapModel": null,
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@return Returns a reference to this object so that
method calls can be chained together.*/",
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"templateType" : "java.util.List<String>"
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"mapModel" : null,
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"setterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the
reservation.</p>\n@param hostIdSet The IDs of the Dedicated Hosts associated with the reservation.</param>*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "hostIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts associated with the
reservation.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link
#setHostIdSet(java.util.Collection)] or [@link #withHostIdSet(java.util.Collection)] if you want to override
the existing values.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/"
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"documentation": "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
"simpleType": "List<String>",
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"xmlNameSpaceUri": null
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the reservation.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the reservation.</p>@param hostReservationId The ID of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withHostReservationId",
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"getterMethodName": "getHostReservationId",
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"setterModel": {
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  "documentation": "",
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"varargSetterDocumentation": "/**<p>The ID of the reservation.</p><p><code>@param hostReservationId The ID of the reservation</code>.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The ID of the reservation.</p>",
  "simpleType": "String",
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  "c2jName": "HourlyPrice",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The hourly price of the reservation per hour.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The hourly price of the reservation per hour.</p>

@param hourlyPrice The hourly price of the reservation per hour.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withHourlyPrice",
  "getterDocumentation": "/**<p>The hourly price of the reservation per hour.</p>

@return The hourly price of the reservation per hour.*/",
  "getterMethodName": "getHourlyPrice",
  "getterModel": {
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    "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
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    "isStreaming": false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**\n * The hourly price of the reservation per hour.\n */\n@param hourlyPrice The hourly price of the reservation per hour.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "hourlyPrice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The hourly price of the reservation per hour.\n */\n@param hourlyPrice The hourly price of the reservation per hour.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "hourlyPrice",
"variableType" : "String",
"documentation" : "The hourly price of the reservation per hour.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceFamily" : {
"c2jName" : "InstanceFamily",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The instance family on the Dedicated Host that the reservation can be associated with.\n",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The instance family on the Dedicated Host that the reservation can be associated with.\n */\n@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceFamily",
"getterDocumentation" : "/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/

getterMethodName" : "getInstanceFamily",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceFamily",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceFamily",
  "uri" : false
},

idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
mapModel" : null,
name" : "InstanceFamily",
setterDocumentation" : "/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/

setterMethodName" : "setInstanceFamily",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

simple" : true,
varargSetterDocumentation" : "/**<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>*/

@param instanceFamily The instance family on the Dedicated Host that the reservation can be associated with.

@return Returns a reference to this object so that method calls can be chained together.

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceFamily",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>The instance family on the Dedicated Host that the reservation can be associated with.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
"c2jName" : "PaymentOption",
"c2jShape" : "PaymentOption",
"deprecated" : false,
"documentation" : "<p>The payment option for the reservation.</p>",
"enumType" : "PaymentOption",
"fluentSetterDocumentation" : "/**<p>The payment option for the reservation.</p>
@param paymentOption The payment option for the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see PaymentOption*/",
"fluentSetterMethodName" : "withPaymentOption",
"getterDocumentation" : "/**<p>The payment option for the reservation.</p>
@return The payment option for the reservation.
@see PaymentOption*/",
"getterMethodName" : "getPaymentOption",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PaymentOption",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "paymentOption",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PaymentOption",
"setterDocumentation" : "/**<p>The payment option for the reservation.</p>
@param paymentOption The payment option for the reservation.
@see PaymentOption*/",}
"setterMethodName" : "setPaymentOption",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The payment option for the reservation.</p>
@param paymentOption The payment option for the reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see PaymentOption*/",
"variable" : { 
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "<p>The payment option for the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpfrontPrice" : { 
"c2jName" : "UpfrontPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The upfront price of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"UpfrontPriceUri" : null
},
"UpfrontPrice" : { 
"c2jName" : "UpfrontPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The upfront price of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"Http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpfrontPrice",
"setterDocumentation" : "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.*/",
"setterMethodName" : "setUpfrontPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upfrontPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The upfront price of the reservation.</p>
@param upfrontPrice The upfront price of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upfrontPrice",
  "variableType" : "String",
  "documentation" : "<p>The upfront price of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Purchase",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "Purchase",
"variableName" : "purchase",
"variableType" : "Purchase",
"documentation" : null,
"simpleType" : "Purchase",
"variableSetterType" : "Purchase"
},
"wrapper" : false
},
"PurchaseHostReservationRequest" : {
"c2jName" : "PurchaseHostReservationRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "PurchaseHostReservation",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the offering.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the offering.</p>
@param offeringId The ID of the
offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The ID of the offering.</p>
@return The ID of the offering.*/",
"getMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OfferingId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "OfferingId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OfferingId",
"setterDocumentation": "/**<p>The ID of the offering.</p>
@param offeringId The ID of the offering.*\*/",
"setterMethodName": "setOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "",
  "complexType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the offering.</p>\n@param offeringId The ID of the offering.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "offeringId",
  "variableType": "String",
  "documentation": "<p>The ID of the offering.</p>",
  "complexType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "HostIdSet",
"c2jShape": "RequestHostIdSet",
"deprecated": false,
"documentation": "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/*\n**<p>The ID/s of the Dedicated Host/s that the reservation will be associated 
with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated 
with.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHostIdSet",
"getterDocumentation" : "/*\n**<p>The ID/s of the Dedicated Host/s that the reservation will be associated 
with.</p>
@return The ID/s of the Dedicated Host/s that the reservation will be associated with.
*/",
"getterMethodName" : "getHostIdSet",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostIdSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "HostIdSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*\n**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated
with. <br>\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with."*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated
with. <br>\n\n**NOTE:** This method appends the values to the existing list (if any). Use {@link #setHostIdSet(java.util.Collection)} or {@link #withHostIdSet(java.util.Collection)} if you want to override the existing values. <br>\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with. <br>\n@returns a reference to this object so that method calls can be chained together."*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with. <br>\n<\/p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LimitPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The specified limit is checked against the total upfront cost of the reservation
(calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than
the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected
upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to
indicate a limit price of USD 100, specify 100.00. <br>\n<\/p>",
"enumType" : null,
"fluentSetterDocumentation" : "The specified limit is checked against the total upfront cost of the reservation
(calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater
than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

**param limitPrice The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

**return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withLimitPrice",
"getterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>*/",
"getterMethodName" : "getLimitPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LimitPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LimitPrice",
"setterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to
indicate a limit price of USD 100, specify 100.00. 

- **param limitPrice**
  The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.*/

```javascript
setterMethodName": "setLimitPrice",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "limitPrice",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

- **param limitPrice**
  The specified limit is checked against the total upfront cost of the reservation (calculated as the offering’s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.*/

```
supported currency is \texttt{USD}.

\@param currencyCode The currency in which the \texttt{totalUpfrontPrice}, \texttt{LimitPrice}, and \texttt{totalHourlyPrice} amounts are specified. At this time, the only supported currency is \texttt{USD}.

\@return Returns a reference to this object so that method calls can be chained together.

\@see CurrencyCodeValues*/

"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency in which the \texttt{totalUpfrontPrice}, \texttt{LimitPrice}, and \texttt{totalHourlyPrice} amounts are specified. At this time, the only supported currency is \texttt{USD}.</p>

\@return The currency in which the \texttt{totalUpfrontPrice}, \texttt{LimitPrice}, and \texttt{totalHourlyPrice} amounts are specified. At this time, the only supported currency is \texttt{USD}.</p>

\@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency in which the \texttt{totalUpfrontPrice}, \texttt{LimitPrice}, and \texttt{totalHourlyPrice} amounts are specified. At this time, the only supported currency is \texttt{USD}.</p>

\@param currencyCode The currency in which the \texttt{totalUpfrontPrice}, \texttt{LimitPrice}, and \texttt{totalHourlyPrice} amounts are specified. At this time, the only supported currency is \texttt{USD}.

\@return Returns a reference to this object so that method calls can be chained together.

\@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n*/\n@param currencyCode The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"enumType" : null,
"fluentSetterDocumentation" : "/**Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n
"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",

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"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "simpleType" : null,
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
*/",
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    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
    }
  }
}
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ClientToken",
"queryString": false,
"statusCode": false,
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"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken",
"setterDocumentation": "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</i>.*/",
"setterMethodName": "setClientToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.*/",
"varargSetterMethodName": "setClientToken",
"varargSetterModel": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>."",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>."",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>."",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**\p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.\n@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
"simple" : true,
"varargSetterDocumentation" : "/**\p>The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.\n@param currencyCode The currency in which the
<code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are
specified. At this time, the only supported currency is <code>USD</code>.\n@return Returns a reference to this
object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : "The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.",
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
"xmlNameSpaceUri" : null
},
"HostIdSet" : {
    "c2jName" : "HostIdSet",
    "c2jShape" : "RequestHostIdSet",
    "deprecated" : false,
    "documentation" : "The ID/s of the Dedicated Host/s that the reservation will be associated with.\n@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated
with.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHostIdSet",
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
"variable" : {
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    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : "The currency in which the <code>totalUpfrontPrice</code>,
<code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only
supported currency is <code>USD</code>.",
    "simpleType" : "String",
    "variableSetterType" : "String"
    },
"xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.

@return The ID/s of the Dedicated Host/s that the reservation will be associated with.*/",
"getterMethodName" : "getHostIdSet",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : false,
"marshallLocationName" : "HostIdSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "HostIdSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param member

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"uri": false}
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "HostIdSet",
"setterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.
*/",
"setterMethodName" : "setHostIdSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIdSet(java.util.Collection)} or {@link #withHostIdSet(java.util.Collection)} if you want to override the existing values.
*/
@param hostIdSet The ID/s of the Dedicated Host/s that the reservation will be associated with.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "hostIdSet",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  },
  "LimitPrice" : {
    "c2jName" : "LimitPrice",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.
</p>
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.
</p>
@param limitPrice The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.
*/
"}
host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.

```java
public class OfferingsRequest {
    // Fields and methods...

    @Override
    public OfferingsRequest withLimitPrice(Double limitPrice) {
        // Implementation...
        return this;
    }
}
```

The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.
<code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.*","setterMethodName" : "setLimitPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>\n@param limitPrice The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitPrice",
  "variableType" : "String",
  "documentation" : "<p>The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingId" : {
  "c2jName" : "OfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the offering.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the offering.</p>\n@param offeringId The ID of the offering.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOfferingId",
  "getterDocumentation" : "/**<p>The ID of the offering.</p>\n@return The ID of the offering.*/",
  "getterMethodName" : "getOfferingId",
  "getterModel" : {
    "returnType" : "String",
    "getterMethod" : [],
    "setterMethod" : [],
    "setterModel" : []
  }
}
"documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**\n*p The ID of the offering.\n*\n* @param offeringId The ID of the offering. */",
"setterMethodName" : "setOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p The ID of the offering.\n*\n* @param offeringId The ID of the offering.\n*\n* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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,"requestSignerAware" : false,
"requestSignerClassFqn": null,
"required": ["OfferingId", "HostIdSet"],
"shapeName": "PurchaseHostReservationRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "PurchaseHostReservationRequest",
  "variableName": "purchaseHostReservationRequest",
  "variableType": "PurchaseHostReservationRequest",
  "documentation": null,
  "simpleType": "PurchaseHostReservationRequest",
  "variableSetterType": "PurchaseHostReservationRequest"
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"wrapper": false
},
"PurchaseHostReservationResult": {
  "c2jName": "PurchaseHostReservationResult",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
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  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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     "c2jShape": "PurchaseSet",
     "deprecated": false,
     "documentation": "<p>Describes the details of the purchase.</p>"},
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Describes the details of the purchase.</p>@param purchase Describes the details of the purchase.</p>@return Returns a reference to this object so that method calls can be chained together.**/",
    "fluentSetterMethodName": "withPurchase",
    "getterDocumentation": "/**<p>Describes the details of the purchase.</p>@return Describes the details of the purchase.**/",
    "getterMethodName": "getPurchase",
    "getterModel": {
      "returnType": "java.util.List<Purchase>",
      "documentation": null
    }
  }
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Purchase",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "purchase",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Purchase",
"deprecated": false,
"documentation": "/**
@returns {list}

Getter for member

**/",
"enumType": null,
"fluentSetterDocumentation": "/**
@returns {list}

Set member

**/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@returns *

Get member

**/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "Purchase",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Purchase",
  "variableName" : "member",
  "variableType" : "Purchase",
  "documentation" : "",
  "simpleType" : "Purchase",
  "variableSetterType" : "Purchase"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 @param member
 @return Returns a reference to this object so that
 method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Purchase",
  "variableName" : "member",
  "variableType" : "Purchase",
  "documentation" : "",
  "simpleType" : "Purchase",
  "variableSetterType" : "Purchase"
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"memberType" : "Purchase",
"map" : false,
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"sendEmptyQueryString" : false,
"simple" : false,
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"templateImplType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
"templateType" : "java.util.List<Purchase>"
},
"map" : false,
"mapModel" : null,
"name" : "Purchase",
"setterDocumentation" : "/**
 * Describes the details of the purchase.
 */ 
 @param purchase Describes the details of the purchase. */"
"setterMethodName" : "setPurchase",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>",
 "
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes the details of the purchase.&lt;/p&gt;&lt;b&gt;NOTE:&lt;/b&gt; This method appends the values to the existing list (if any). Use [@link #setPurchase(java.util.Collection)] or [@link #withPurchase(java.util.Collection)] if you want to override the existing values.&lt;/p&gt;&lt;n&gt;@param purchase Describes the details of the purchase.&lt;/n&gt;@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "Describes the details of the purchase.",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>",
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"xmlNameSpaceUri" : null
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"c2jName" : "TotalUpfrontPrice",
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"deprecated" : false,
"documentation" : "The total amount that will be charged to your account when you purchase the reservation.",
"enumType" : null,
"fluentSetterDocumentation" : "The total amount that will be charged to your account when you purchase the reservation.",
"fluentSetterMethodName" : "withTotalUpfrontPrice",
"getterDocumentation" : "The total amount that will be charged to your account when you purchase the reservation.",
"getterMethodName" : "getTotalUpfrontPrice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false,
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"map" : false,
"mapModel" : null,
"name" : "TotalUpfrontPrice",
"setterDocumentation" : "/**\n*pThe total amount that will be charged to your account when you purchase the
reservation.\n@param totalUpfrontPrice The total amount that will be charged to your account when you
purchase the reservation.*/",
"setterMethodName" : "setTotalUpfrontPrice",
"setterModel" : {
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  "variableName" : "totalUpfrontPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe total amount that will be charged to your account when you
purchase the reservation.\n@param totalUpfrontPrice The total amount that will be charged to your account when you
purchase the reservation.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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  "variableName" : "totalUpfrontPrice",
  "variableType" : "String",
  "documentation" : "\n<p>The total amount that will be charged to your account when you purchase the
reservation.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
},
{ "c2jName" : "TotalHourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The total hourly price of the reservation calculated per hour.",
"enumType" : null,
"fluentSetterDocumentation" : "The total hourly price of the reservation calculated per hour.
@param totalHourlyPrice The total hourly price of the reservation calculated per hour.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "withTotalHourlyPrice",
"getterDocumentation" : "The total hourly price of the reservation calculated per hour.
@return The total hourly price of the reservation calculated per hour.",
"getterMethodName" : "getTotalHourlyPrice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TotalHourlyPrice",
  "queryString" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalHourlyPrice",
"setterDocumentation" : "The total hourly price of the reservation calculated per hour.
@param totalHourlyPrice The total hourly price of the reservation calculated per hour.
@return
"setterMethodName" : "setTotalHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "totalHourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The total hourly price of the reservation calculated per hour.
@param totalHourlyPrice The total hourly price of the reservation calculated per hour.
@return
Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "totalHourlyPrice",
    "variableType" : "String",
    "documentation" : "<p>The total hourly price of the reservation calculated per hour.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>.

"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/** <p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>

@see CurrencyCodeValues*/",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/** <p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>

@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "CurrencyCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "currencyCode",
    "param" : 
    "currencyCode",
    "return" : 
    "CurrencyCodeValues",
    "uri" : 
    "totalUpfrontPrice",
    "variable" : 
    "totalHourlyPrice"
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of
the request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the
request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>
@return Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the
request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a
Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>*/",}
How to Ensure Idempotency in the Amazon Elastic Compute Cloud User Guide

**setterMethodName**: "setClientToken",

**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide
@return Returns a reference to this object so that method calls can be chained together.*/",

**variable**: {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide",
  "simpleType": "String",
  "variableSetterType": "String"
},

**xmlNameSpaceUri**: null

**membersAsMap**: {
  "ClientToken": {
    "c2jName": "ClientToken",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide</p>
    @param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide
    @return Returns a reference to this object so that method calls can be chained together.*/"./*
  }
}
"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/*\n<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> </p>
@param clientToken Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>
@return Returns a reference to this object so that method calls can be chained together.*)",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "deprecated" : false,
  "documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
  "enumType" : "CurrencyCodeValues",
  "fluentSetterDocumentation" : "/*\n<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>\n@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
@return Returns a reference to this object so that method calls can be chained together.\n@see CurrencyCodeValues*/",
  "fluentSetterMethodName" : "withCurrencyCode",
  "getterDocumentation" : "/*\n<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>\n@return The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
@see CurrencyCodeValues*/",
  "getMethodname" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/** <p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p> 
@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. 
@return Returns a reference to this object so that method calls can be chained together. 
@see CurrencyCodeValues*/",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p> 
@param currencyCode The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>. 
@return Returns a reference to this object so that method calls can be chained together. 
@see CurrencyCodeValues*/",
"variable" : {
  "variableDeclarationType" : "String",}
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "<p>The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Purchase" : {
"c2jName" : "Purchase",
"c2jShape" : "PurchaseSet",
"deprecated" : false,
"documentation" : "Describes the details of the purchase.
**\@param purchase Describes the details of the purchase.**
\n@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterDocumentation" : "/**\@param purchase Describes the details of the purchase.**\n\n@return Describes the details of the purchase.*/",
"getterDocumentation" : "/**\n@returns Describes the details of the purchase.*/",
"getterMethodName" : "getPurchase",
"getterModel" : {
"returnType" : "java.util.List<Purchase>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Purchase",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "purchase",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {"c2jType" : "PurchaseSet"}
}
"c2jName" : "member",
"c2jShape" : "Purchase",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
"getModel" : {
  "returnType" : "Purchase",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshalLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshalLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Purchase",
  "variableName" : "member",
  "variableType" : "Purchase",
  "documentation" : "",
  "simpleType" : "Purchase",
  "variableSetterType" : "Purchase"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "Purchase",
  "variableName" : "member",
  "variableType" : "Purchase",
  "documentation" : "",
  "simpleType" : "Purchase",
  "variableSetterType" : "Purchase"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Purchase",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Purchase",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
"templateType" : "java.util.List<Purchase>
",
"map" : false,
"mapModel" : null,
"name" : "Purchase",
"setterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase Describes the details of the purchase.*/",
"setterMethodName" : "setPurchase",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "",
  "simpleType" : "List<Purchase>",
  "variableSetterType" : "java.util.Collection<Purchase>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase Describes the details of the purchase.*/

@link #setPurchase(java.util.Collection) or @link #withPurchase(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
  "variableName" : "purchase",
  "variableType" : "java.util.List<Purchase>",
  "documentation" : "<p>Describes the details of the purchase.</p>",
  "simpleType" : "List<Purchase>",
  "simpleType" : "List<Purchase>",
  "map" : false,
  "mapModel" : null,
  "name" : "Purchase",
  "setterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase Describes the details of the purchase.*/",
  "setterMethodName" : "setPurchase",
  "setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Purchase>",
    "variableName" : "purchase",
    "variableType" : "java.util.List<Purchase>",
    "documentation" : "",
    "simpleType" : "List<Purchase>",
    "variableSetterType" : "java.util.Collection<Purchase>"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase Describes the details of the purchase.*/

@link #setPurchase(java.util.Collection) or @link #withPurchase(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableType" : "java.util.List<Purchase>",
    "documentation" : "<p>Describes the details of the purchase.</p>",
    "simpleType" : "List<Purchase>",
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    "map" : false,
    "mapModel" : null,
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      "variableType" : "java.util.List<Purchase>",
      "documentation" : "",
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      "variableSetterType" : "java.util.Collection<Purchase>"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>Describes the details of the purchase.</p>
@param purchase Describes the details of the purchase.*/

@link #setPurchase(java.util.Collection) or @link #withPurchase(java.util.Collection) if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/
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"variableSetterType" : "java.util.Collection<Purchase>"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The total hourly price of the reservation calculated per hour.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The total hourly price of the reservation calculated per hour.</p>
@returns The total hourly price of the reservation calculated per hour.</returns>
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    "documentation" : null
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    "header" : false,
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    "isStreaming" : false,
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    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**<p>The total hourly price of the reservation calculated per hour.</p>
@returns The total hourly price of the reservation calculated per hour.</returns>
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"variableSetterType" : "String"
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  "documentation" : "The total hourly price of the reservation calculated per hour.\n"SimpleType" : "String",
  "variableSetterType" : "String"
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"TotalUpfrontPrice" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The total amount that will be charged to your account when you purchase the reservation.\n"
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The total amount that will be charged to your account when you purchase the reservation.\n@param totalUpfrontPrice The total amount that will be charged to your account when you purchase the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTotalUpfrontPrice",
  "getterDocumentation" : "*/"<p>The total amount that will be charged to your account when you purchase the reservation.\n@return The total amount that will be charged to your account when you purchase the reservation.*/",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
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    "header" : false,
    "isPayload" : false,
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 "simpleType" : "String",
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  "variableType" : "PurchaseHostReservationResult",
  "documentation" : null,
  "simpleType" : "PurchaseHostReservationResult",
  "variableSetterType" : "PurchaseHostReservationResult"
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"wrapper" : false
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"PurchaseRequest" : {
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  }
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"hasStreamingMember" : false,
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  "deprecated" : false,
  "documentation" : "<p>The purchase token.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The purchase token.</p>
@<param name="purchaseToken"> The purchase token.</param>
@<return> Returns a reference to this object so that method calls can be chained together.</return>*/",
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  "getterDocumentation" : "/**<p>The purchase token.</p>
@<param name="purchaseToken"> The purchase token.</param>
@<return> The purchase token.</return>*/",
  "getterMethodName" : "getPurchaseToken",
  "getterModel" : {
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    "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The purchase token.</p>",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return The number of instances.*/"
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  "documentation" : null
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  "variableType" : "Integer",
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@return Returns a reference to this object so that method calls can be chained together.*/",

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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"variableName" : "purchaseToken",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"variableName" : "purchaseRequest",
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"variableSetterType" : "PurchaseRequest"
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"PurchaseReservedInstancesOfferingRequest" : {
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"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
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"skipGeneratingUnmarshaller" : false,
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for PurchaseReservedInstancesOffering.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
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"members" : [ {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>*/
@param
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>*/
@return The ID of the Reserved Instance offering to purchase.
*/",
  "getterMethodName" : "getReservedInstancesOfferingId",
  "getterModel" : {
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"statusCode" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingId",
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@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.*"",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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  "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"documentation" : "<p>The number of Reserved Instances to purchase.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>
@return The number of Reserved Instances to purchase.*"",
"getterMethodName" : "getInstanceCount"
"getterModel": {  
  "returnType": "Integer",  
  "documentation": null
},  
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "InstanceCount",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "InstanceCount",  
  "uri": false
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "InstanceCount",  
"setterDocumentation": /**<p>The number of Reserved Instances to purchase.</p>
@param instanceCount
The number of Reserved Instances to purchase.*/
@return Returns a reference to this object so that method calls can be chained together.*/",  
"setterMethodName": "setInstanceCount",  
"setterModel": {  
  "variableDeclarationType": "Integer",  
  "variableName": "instanceCount",  
  "variableType": "Integer",  
  "documentation": "",  
  "simpleType": "Integer",  
  "variableSetterType": "Integer"  
},  
"simple": true,  
"varargSetterDocumentation": /**<p>The number of Reserved Instances to purchase.</p>
@param instanceCount
The number of Reserved Instances to purchase.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable": {  
  "variableDeclarationType": "Integer",  
  "variableName": "instanceCount",  
  "variableType": "Integer",  
  "documentation": "<p>The number of Reserved Instances to purchase.</p>",  
  "simpleType": "Integer",  
  "variableSetterType": "Integer"  
},  
"simple": true,  
"varargSetterDocumentation": /**<p>The number of Reserved Instances to purchase.</p>
@param instanceCount
The number of Reserved Instances to purchase.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable": {  
  "variableDeclarationType": "Integer",  
  "variableName": "instanceCount",  
  "variableType": "Integer",  
  "documentation": ""  
  "simpleType": "Integer",  
  "variableSetterType": "Integer"  
}
"xmlNameSpaceUri" : null,
},
"c2jName" : "LimitPrice",
"c2jShape" : "ReservedInstanceLimitPrice",
"deprecated" : false,
"documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@param limitPrice
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLimitPrice",
"getterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@return Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.*/",
"getterMethodName" : "getLimitPrice",
"getterModel" : {
"returnType" : "ReservedInstanceLimitPrice",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LimitPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "limitPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LimitPrice",
"setterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@param limitPrice
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.*/"
"setterMethodName" : "setLimitPrice",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "",
  "simpleType" : "ReservedInstanceLimitPrice",
  "variableSetterType" : "ReservedInstanceLimitPrice"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>@param limitPrice Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>\\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
  "simpleType" : "ReservedInstanceLimitPrice",
  "variableSetterType" : "ReservedInstanceLimitPrice"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"InstanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of Reserved Instances to purchase.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>@param instanceCount The number of Reserved Instances to purchase.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**<p>The number of Reserved Instances to purchase.</p>@return The number of Reserved Instances to purchase.</p>",
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
The number of Reserved Instances to purchase.

**setterMethodId** : 

```
public void setInstanceCount(int instanceCount) {
    // Set the instance count.
}
```

**setterDocumentation** : 

```
/**
 * The number of Reserved Instances to purchase.
 * @param instanceCount The number of Reserved Instances to purchase.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@param limitPrice
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withLimitPrice",
"getterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@return Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices."*/",
"getterMethodName" : "getLimitPrice",
"getterModel" : {
  "returnType" : "ReservedInstanceLimitPrice",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LimitPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "limitPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LimitPrice",
"setterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>*/
@param limitPrice
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices."*/",
"setterMethodName" : "setLimitPrice",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "",
  "simpleType" : "ReservedInstanceLimitPrice"
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.

@returns Returns a reference to this object so that method calls can be chained together.

```json
"variable" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.

@returns Returns a reference to this object so that method calls can be chained together.

"variableSetterType" : "ReservedInstanceLimitPrice"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>
@param limitPrice
Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstanceLimitPrice",
  "variableName" : "limitPrice",
  "variableType" : "ReservedInstanceLimitPrice",
  "documentation" : "Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.

@returns Returns a reference to this object so that method calls can be chained together.

"variableSetterType" : "ReservedInstanceLimitPrice"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesOfferingId" : {
  "c2jName" : "ReservedInstancesOfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the Reserved Instance offering to purchase.

@returns The ID of the Reserved Instance offering to purchase.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesOfferingId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance offering to purchase.</p>
@returns The ID of the Reserved Instance offering to purchase.

@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getReservedInstancesOfferingId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesOfferingId",
  "queryString" : false,
  "statusCode" : false,
}
"unmarshallLocationName" : "ReservedInstancesOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesOfferingId",
"setterDocumentation" : "/**
 * The ID of the Reserved Instance offering to purchase.
 */
@param
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.

"setterMethodName" : "setReservedInstancesOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesOfferingId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ID of the Reserved Instance offering to purchase.
 */
@param
reservedInstancesOfferingId The ID of the Reserved Instance offering to purchase.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesOfferingId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>
",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ReservedInstancesOfferingId", "InstanceCount" ],
"shapeName" : "PurchaseReservedInstancesOfferingRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "PurchaseReservedInstancesOfferingRequest",
    "variableName" : "purchaseReservedInstancesOfferingRequest",
    "variableType" : "PurchaseReservedInstancesOfferingRequest",
    "documentation" : "",
    "simpleType" : "PurchaseReservedInstancesOfferingRequest",
    "variableSetterType" : "PurchaseReservedInstancesOfferingRequest"
}.
"wrapper" : false
},
"PurchaseReservedInstancesOfferingResult" : {
  "c2jName" : "PurchaseReservedInstancesOfferingResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of PurchaseReservedInstancesOffering.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [],
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the purchased Reserved Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the purchased Reserved Instances.</p>
  * @param reservedInstancesId The IDs of the purchased Reserved Instances.
  * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The IDs of the purchased Reserved Instances.</p>
  * @return The IDs of the purchased Reserved Instances.
  */",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusString" : false,
    "statusCode" : false,
"unmarshallLocationName": "reservedInstancesId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservedInstancesId",
"setterDocumentation": "/**
<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.</param
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setReservedInstancesId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "<p>The IDs of the purchased Reserved Instances.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
}]
,"membersAsMap": {
  "ReservedInstancesId": {
    "c2jName": "ReservedInstancesId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The IDs of the purchased Reserved Instances.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**
<p>The IDs of the purchased Reserved Instances.</p>
@param reservedInstancesId The IDs of the purchased Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
    "fluentSetterMethodName": "withReservedInstancesId",
    "getterDocumentation": "/**
<p>The IDs of the purchased Reserved Instances.</p>
@return The IDs of the purchased Reserved Instances.
*/",
    "getterMethodName": "getReservedInstancesId",
    "Setter": {
      "variableDeclarationType": "String",
      "variableName": "reservedInstancesId",
      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    }
  }
}}
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstancesId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "reservedInstancesId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservedInstancesId",
"setterDocumentation": "/**\n*p> The IDs of the purchased Reserved Instances.\n*\n@param reservedInstancesId The IDs of the purchased Reserved Instances. */",
"setterMethodName": "setReservedInstancesId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n*p> The IDs of the purchased Reserved Instances.\n*\n@param reservedInstancesId The IDs of the purchased Reserved Instances.\n*\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "<p>The IDs of the purchased Reserved Instances.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri" : null
}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PurchaseReservedInstancesOfferingResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PurchaseReservedInstancesOfferingResult",
  "variableName" : "purchaseReservedInstancesOfferingResult",
  "variableType" : "PurchaseReservedInstancesOfferingResult",
  "documentation" : null,
  "simpleType" : "PurchaseReservedInstancesOfferingResult",
  "variableSetterType" : "PurchaseReservedInstancesOfferingResult"
},
"wrapper" : false
},
"PurchaseScheduledInstancesRequest" : {
  "c2jName" : "PurchaseScheduledInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "PurchaseScheduledInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : 
  [ {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
}}]
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>\n@parameter clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.</p>"/
,"fluentSetterDocumentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request.</p>
@return Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ClientToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ClientToken",
 "uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>*/"
For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

**@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.**

```
    /**
     * Unique, case-sensitive identifier that ensures the idempotency of the
     * request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
     * @param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
     * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "setterMethodName" : "setClientToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
    * @param purchaseRequests One or more purchase requests.</p>
    * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "clientToken",
        "variableType" : "String",
        "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
        * @param purchaseRequests One or more purchase requests.
        * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "xmlNameSpaceUri" : null
},
"c2jName" : "PurchaseRequests",
"c2jShape" : "PurchaseRequestSet",
"deprecated" : false,
"documentation" : "<p>One or more purchase requests.</p>
    * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "enumType" : "null",
    "fluentSetterDocumentation" : "/**<p>One or more purchase requests.</p>
    * @param purchaseRequests One or more purchase requests.</p>
    * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "fluentSetterMethodName" : "withPurchaseRequests",
    "getterDocumentation" : "/**<p>One or more purchase requests.</p>
    * @return One or more purchase requests.
    * @return Returns a reference to this object so that method calls can be chained together.*///
    
    "getterMethodName" : "getPurchaseRequests",
    "getterModel" : {

```
"returnType" : "java.util.List<PurchaseRequest>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PurchaseRequest",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PurchaseRequest",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PurchaseRequest",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PurchaseRequest",
"uri" : false
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "PurchaseRequest",
"variableName" : "member",
"variableType" : "PurchaseRequest",
"documentation" : "",
"simpleType" : "PurchaseRequest",
"variableSetterType" : "PurchaseRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PurchaseRequest",
"variableName" : "member",
"variableType" : "PurchaseRequest",
"documentation" : "",
"simpleType" : "PurchaseRequest",
"variableSetterType" : "PurchaseRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PurchaseRequest",
"memberType" : "PurchaseRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PurchaseRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"templateType" : "java.util.List<PurchaseRequest>",
"map" : false,
"mapModel" : null,
"name" : "PurchaseRequests",
"setterDocumentation" : "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.*/",
"setterMethodName" : "setPurchaseRequests",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
  "variableName" : "purchaseRequests",
  "variableType" : "java.util.List<PurchaseRequest>",
  "documentation" : "",
  "simpleType" : "List<PurchaseRequest>",
  "variableSetterType" : "java.util.Collection<PurchaseRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more purchase requests.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setPurchaseRequests(java.util.Collection) or @link #withPurchaseRequests(java.util.Collection) if you want to override the existing values.</p>
@param purchaseRequests One or more purchase requests.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
  "variableName" : "purchaseRequests",
  "variableType" : "java.util.List<PurchaseRequest>",
  "documentation" : "<p>One or more purchase requests.</p>

  "simpleType" : "List<PurchaseRequest>",
  "variableSetterType" : "java.util.Collection<PurchaseRequest>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

  @param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
  @return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>*/
  }
}
Ensuring Idempotency</a>.</p>

@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

```json

getterMethodName" : "getClientToken",
"getterModel" : {  
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "*/\<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>

```

```json

"setterMethodName" : "setClientToken",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
```
Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see:

```html
http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html
```

For more information, see:

```html
http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html
```

Returns a reference to this object so that method calls can be chained together.

```java
@see com.amazonaws.AmazonWebServiceRequest
```
"statusCode" : false,
"unmarshallLocationName" : "PurchaseRequest",
"uri" : false
",
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PurchaseRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PurchaseRequest",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PurchaseRequest",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "PurchaseRequest",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "PurchaseRequest",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "PurchaseRequest",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
          "marshallLocationName" : "PurchaseRequest",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "PurchaseRequest",
          "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
          "implType" : "com.amazonaws.internal.SdkInternalList",
          "interfaceType" : "java.util.List",
          "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "PurchaseRequest",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
              "returnType" : "PurchaseRequest",
              "documentation" : null
            },
            "http" : {
              "additionalMarshallingPath" : null,
              "additionalUnmarshallingPath" : null,
              "flattened" : false,
              "greedy" : false,
              "header" : false,
              "isPayload" : false,
              "isStreaming" : false,
              "location" : null,
              "marshallLocationName" : "PurchaseRequest",
              "queryString" : false,
              "statusCode" : false,
              "unmarshallLocationName" : "PurchaseRequest",
              "uri" : false
            },
            "idempotencyToken" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "name" : "Member",
            "setterDocumentation" : "/**\n@param member */",
            "setterMethodName" : "setMember",
            "setterModel" : {
              "implType" : "com.amazonaws.internal.SdkInternalList",
              "interfaceType" : "java.util.List",
              "listMemberModel" : {
                "c2jName" : "member",
                "c2jShape" : "PurchaseRequest",
                "deprecated" : false,
                "documentation" : "",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
                "fluentSetterMethodName" : "withMember",
                "getterDocumentation" : "/**\n@return */",
                "getterMethodName" : "getMember",
                "getterModel" : {
                  "returnType" : "PurchaseRequest",
                  "documentation" : null
                },
                "http" : {
                  "additionalMarshallingPath" : null,
                  "additionalUnmarshallingPath" : null,
                  "flattened" : false,
                  "greedy" : false,
                  "header" : false,
                  "isPayload" : false,
                  "isStreaming" : false,
                  "location" : null,
                  "marshallLocationName" : "PurchaseRequest",
                  "queryString" : false,
                  "statusCode" : false,
                  "unmarshallLocationName" : "PurchaseRequest",
                  "uri" : false
                },
                "idempotencyToken" : false,
                "list" : false,
"variableDeclarationType" : "PurchaseRequest",
"variableName" : "member",
"variableType" : "PurchaseRequest",
"documentation" : "",
"simpleType" : "PurchaseRequest",
"variableSetterType" : "PurchaseRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "PurchaseRequest",
"variableName" : "member",
"variableType" : "PurchaseRequest",
"documentation" : "",
"simpleType" : "PurchaseRequest",
"variableSetterType" : "PurchaseRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PurchaseRequest",
"memberType" : "PurchaseRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PurchaseRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"templateType" : "java.util.List<PurchaseRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "PurchaseRequests",
"setterDocumentation" : "/**<p>One or more purchase requests.</p>
@param purchaseRequests One or more purchase requests.*/",
"setterMethodName" : "setPurchaseRequests",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PurchaseRequest>",
"variableName" : "purchaseRequests",
"variableType" : "java.util.List<PurchaseRequest>",
"documentation" : "",
"simpleType" : "List<PurchaseRequest>",
"variableSetterType" : "java.util.Collection<PurchaseRequest>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more purchase requests.</p>\n<b>NOTE:</b> This
method appends the values to the existing list (if any). Use \{ @link #setPurchaseRequests(java.util.Collection) \} or \{ @link #withPurchaseRequests(java.util.Collection) \} if you want to override the existing values.

@returns

Returns a reference to this object so that method calls can be chained together.

*/

private void setPurchaseRequests(java.util.Collection\<PurchaseRequest\> purchaseRequests)
{
    if (purchaseRequests == null)
    {
        throw new IllegalArgumentException("null Collection is not valid");
    }
    if (this.purchaseRequests == null)
    {
        this.purchaseRequests = new com.amazonaws.internal.SdkInternalList\<PurchaseRequest\>;
    }
    this.purchaseRequests.addAll(purchaseRequests);
}

private PurchaseScheduledInstancesRequest withPurchaseRequests(java.util.Collection\<PurchaseRequest\> purchaseRequests)
{
    setPurchaseRequests(purchaseRequests);
    return this;
}

public java.util.List\<PurchaseRequest\> getPurchaseRequests()
{
    return this.purchaseRequests;
}

public void setPurchaseRequests(java.util.List\<PurchaseRequest\> purchaseRequests)
{
    if (purchaseRequests == null)
    {
        throw new IllegalArgumentException("null List is not valid");
    }
    this.purchaseRequests = purchaseRequests;
}

public void setPurchaseRequests(java.util.Collection\<PurchaseRequest\> purchaseRequests)
{
    setPurchaseRequests((java.util.List\<PurchaseRequest\>)purchaseRequests);
}

public java.util.List\<PurchaseRequest\> buildPurchaseRequests()
{
    return this.purchaseRequests;
}

public void setPurchaseRequests(PurchaseScheduledInstancesRequest purchaseScheduledInstancesRequest)
{
    if (purchaseScheduledInstancesRequest == null)
    {
        throw new IllegalArgumentException("null PurchaseScheduledInstancesRequest is not valid");
    }
    if (this.purchaseScheduledInstancesRequest == null)
    {
        this.purchaseScheduledInstancesRequest = new PurchaseScheduledInstancesRequest();
    }
    this.purchaseScheduledInstancesRequest = purchaseScheduledInstancesRequest;
}

private PurchaseScheduledInstancesRequest buildPurchaseScheduledInstancesRequest()
{
    return this.purchaseScheduledInstancesRequest;
}

*/


"returnType" : "ScheduledInstance",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item"
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType" : "java.util.List<ScheduledInstance>",
},
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceSet",
"setterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@param scheduledInstanceSet Information about the Scheduled Instances.</p>*/",
"setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstance>",
  "variableSetterType" : "java.util.Collection<ScheduledInstance>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@param scheduledInstanceSet Information about the Scheduled Instances.</p>*/",

This method appends the values to the existing list (if any). Use {@link #setScheduledInstanceSet(java.util.Collection)} or {@link #withScheduledInstanceSet(java.util.Collection)} if you want to override the existing values.


@returns Returns a reference to this object so that method calls can be chained together.
*/
,
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "<p>Information about the Scheduled Instances.</p>
  "simpleType" : "List<ScheduledInstance>",
  "variableSetterType" : "java.util.Collection<ScheduledInstance>",
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
  "ScheduledInstanceSet" : {
    "c2jName" : "ScheduledInstanceSet",
    "c2jShape" : "PurchasedScheduledInstanceSet",
    "deprecated" : false,
    "documentation" : "<p>Information about the Scheduled Instances.</p>",
    "enumType" : null,
  }
}
"fluentSetterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@param
scheduledInstanceSet Information about the Scheduled Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceSet",
"getterDocumentation" : "/**<p>Information about the Scheduled Instances.</p>
@return Information about the Scheduled Instances.*/",
"getterMethodName" : "getScheduledInstanceSet",
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstance>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ScheduledInstanceSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "scheduledInstanceSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstance",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@\return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstance",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "ScheduledInstance",
  "variableName" : "member",
  "variableType" : "ScheduledInstance",
  "documentation" : "",
  "simpleType" : "ScheduledInstance",
  "variableSetterType" : "ScheduledInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ScheduledInstance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
"templateType" : "java.util.List<ScheduledInstance>",
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceSet",
"setterDocumentation" : "/**\n* Information about the Scheduled Instances.\n*\n* @param scheduledInstanceSet Information about the Scheduled Instances.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/

setterMethodName" : "setScheduledInstanceSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstance>",
  "variableSetterType" : "java.util.Collection<ScheduledInstance>",
  "simple" : false,
  "varargSetterDocumentation" : "/**\n* Information about the Scheduled Instances.\n*\n* NOTE: This method appends the values to the existing list (if any). Use { @link #setScheduledInstanceSet(java.util.Collection)} or { @link #withScheduledInstanceSet(java.util.Collection)} if you want to override the existing values.\n*\n* @param scheduledInstanceSet Information about the Scheduled Instances.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/

variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstance>",
  "variableName" : "scheduledInstanceSet",
  "variableType" : "java.util.List<ScheduledInstance>",
  "documentation" : "Information about the Scheduled Instances.\n*\n* @return Returns a reference to this object so that method calls can be chained together.\n*/

xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "PurchaseScheduledInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PurchaseScheduledInstancesResult",
  "variableName" : "purchaseScheduledInstancesResult"}
"variableType" : "PurchaseScheduledInstancesResult",
"documentation" : null,
"simpleType" : "PurchaseScheduledInstancesResult",
"variableSetterType" : "PurchaseScheduledInstancesResult"
},
"wrapper" : false
},
"RIProductDescription" : {
"c2jName" : "RIProductDescription",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "LinuxUNIX",
"value" : "Linux/UNIX"
}, {
"name" : "LinuxUNIXAmazonVPC",
"value" : "Linux/UNIX (Amazon VPC)"
}, {
"name" : "Windows",
"value" : "Windows"
}, {
"name" : "WindowsAmazonVPC",
"value" : "Windows (Amazon VPC)"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RIProductDescription",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : { 
"variableDeclarationType" : "RIProductDescription",
"variableName" : "RIProductDescription",
"variableType" : "RIProductDescription",
"documentation" : null,
"simpleType" : "RIProductDescription",
"variableSetterType" : "RIProductDescription"
},
"wrapper" : false
],
"RebootInstancesRequest" : {
"c2jName" : "RebootInstancesRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RebootInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RebootInstances",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "InstanceIds",
  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instance IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>\n* @param instanceIds One or more instance IDs.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceIds",
  "getterDocumentation" : "/**<p>One or more instance IDs.</p>\n* @return One or more instance IDs.*/",
  "getterMethodName" : "getInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
"variableName": "rIProductDescription",
"variableType": "RIProductDescription",
"documentation": null,
"simpleType": "RIProductDescription",
"variableSetterType": "RIProductDescription"
},
"wrapper": false
],
"RebootInstancesRequest": {
"c2jName": "RebootInstancesRequest",
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for RebootInstances.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
  "action": "RebootInstances",
  "locationName": null,
  "requestUri": "/",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [ {
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  "c2jShape": "InstanceIdStringList",
  "deprecated": false,
  "documentation": "<p>One or more instance IDs.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more instance IDs.</p>\n* @param instanceIds One or more instance IDs.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withInstanceIds",
  "getterDocumentation": "/**<p>One or more instance IDs.</p>\n* @return One or more instance IDs.*/",
  "getterMethodName": "getInstanceIds",
  "getterModel": {
    "returnType": "java.util.List<String>",
    "documentation": null
  },
  "http": {
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"variableType": "RIProductDescription",
"documentation": null,
"simpleType": "RIProductDescription",
"variableSetterType": "RIProductDescription"
},
"wrapper": false
]
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    * @param member
    * @return Returns a reference to this object so that
    * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    }
  }
}
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**<p>@param member */",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNamespaceUri": null,
"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs.</p>@param instanceIds One or more instance IDs.</p>*/",
"setterMethodName": "setInstanceIds"}
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more instance IDs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p><p>@param instanceIds One or more instance IDs.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instanceIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>One or more instance IDs.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlNameSpaceUri" : null
],
  "membersAsMap" : {
    "InstanceIds" : {
      "c2jName" : "InstanceIds",
      "c2jShape" : "InstanceIdStringList",
      "deprecated" : false,
      "documentation" : "<p>One or more instance IDs.</p>
    },
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
  }
}
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",}
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**
One or more instance IDs.

@param instanceIds One or more instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
"simple" : false,
"varargSetterDocumentation" : "/*\p>One or more instance IDs.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p><p>@param instanceIds One or more instance IDs.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "RebootInstancesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "RebootInstancesRequest",
"variableName" : "rebootInstancesRequest",
"variableType" : "RebootInstancesRequest",
"documentation" : null,
"simpleType" : "RebootInstancesRequest",
"variableSetterType" : "RebootInstancesRequest"
},
"wrapper" : false
},
"RebootInstancesResult" : {
"c2jName" : "RebootInstancesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "RebootInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RebootInstancesResult",
  "variableName" : "rebootInstancesResult",
  "variableType" : "RebootInstancesResult",
  "documentation" : null,
  "simpleType" : "RebootInstancesResult",
  "variableSetterType" : "RebootInstancesResult"
},
"wrapper" : false
},
"RecurringCharge" : {
  "c2jName" : "RecurringCharge",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a recurring charge.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "RecurringChargeFrequency",
    "deprecated" : false,
    "documentation" : "<p>The frequency of the recurring charge.</p>",
    "enumType" : "RecurringChargeFrequency",
    "fluentSetterDocumentation" : "/**<p>The frequency of the recurring charge.</p>\n*param frequency The frequency of the recurring charge.\n*return Returns a reference to this object so that method calls can be chained together.\n*see RecurringChargeFrequency*/",
    "fluentSetterMethodName" : "withFrequency",
    "getterDocumentation" : "/**<p>The frequency of the recurring charge.</p>\n*return The frequency of the recurring charge.\n*/"} ]
}
recurring charge.\n@see RecurringChargeFrequency*/",
    "getterMethodName" : "getFrequency",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Frequency",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "frequency",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Frequency",
    "setterDocumentation" : "/**<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@see RecurringChargeFrequency*/",
    "setterMethodName" : "setFrequency",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "frequency",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.
@see RecurringChargeFrequency*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "frequency",
        "variableType" : "String",
        "documentation" : "<p>The frequency of the recurring charge.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Amount",
  "c2jShape" : "Double",
  "deprecated" : false,
  "documentation" : "<p>The amount of the recurring charge.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The amount of the recurring charge.</p>
@<param name="amount">The amount of the recurring charge.</param>
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withAmount",
  "getterDocumentation" : "/**<p>The amount of the recurring charge.</p>
@return The amount of the recurring charge.*"",
  "getterMethodName" : "getAmount",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Amount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "amount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Amount",
  "setterDocumentation" : "/**<p>The amount of the recurring charge.</p>
@param amount The amount of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "setterMethodName" : "setAmount",
  "setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "amount",
    "variableType" : "Double",
    "documentation" : ""
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The amount of the recurring charge.</p>
@param amount The amount of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "amount",
"variableType" : "Double",
"documentation" : "<p>The amount of the recurring charge.</p>",
"simpleType" : "Double",
"variableSetterType" : "Double"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Amount" : {
"c2jName" : "Amount",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The amount of the recurring charge.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The amount of the recurring charge.</p>
@param amount The amount of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAmount",
"getterDocumentation" : "/*<p>The amount of the recurring charge.</p>
@return The amount of the recurring charge.*/",
"getterMethodName" : "getAmount",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Amount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "amount",
"uri" : false
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "Amount",
"setterDocumentation": "/**\n* The amount of the recurring charge.
* @param amount The amount of the recurring charge.
*/",
"setterMethodName": "setAmount",
"setterModel": {
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  "variableName": "amount",
  "variableType": "Double",
  "documentation": "",
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  "variableSetterType": "Double"
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"simple": true,
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* @param amount The amount of the recurring charge.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType": "Double",
  "documentation": "The amount of the recurring charge.
",
  "simpleType": "Double",
  "variableSetterType": "Double"
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"xmlNameSpaceUri": null
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"Frequency": {
  "c2jName": "Frequency",
  "c2jShape": "RecurringChargeFrequency",
  "deprecated": false,
  "documentation": "The frequency of the recurring charge.
",
  "enumType": "RecurringChargeFrequency",
  "fluentSetterDocumentation": "/**\n* The frequency of the recurring charge.
* @param frequency The frequency of the recurring charge.
* @return Returns a reference to this object so that method calls can be chained together.
* @see RecurringChargeFrequency*/",
  "fluentSetterMethodName": "withFrequency",
  "getterDocumentation": "/**\n* The frequency of the recurring charge.
* @return The frequency of the recurring charge.
* @see RecurringChargeFrequency*/",
  "getterMethodName": "getFrequency",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }"}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "frequency",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Frequency",
"setterDocumentation": "/**\n<p>The frequency of the recurring charge.</p>
@param frequency The frequency of the recurring charge.
@see RecurringChargeFrequency*/",
"setterMethodName": "setFrequency",
"setterModel": {
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  "variableName": "frequency",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
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@param frequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.
@see RecurringChargeFrequency*/",
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  "variableType": "String",
  "documentation": "<p>The frequency of the recurring charge.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"requestSignerClassFqcn": null,
"required": null,
"shapeName": "RecurringCharge",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
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  "variableName": "recurringCharge",
  "variableType": "RecurringCharge",
  "documentation": null,
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
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"RecurringChargeFrequency": {
  "c2jName": "RecurringChargeFrequency",
  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
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      "value": "Hourly"
    }
  ],
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {
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  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "RecurringChargeFrequency",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  }
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  "variableName" : "recurringChargeFrequency",
  "variableType" : "RecurringChargeFrequency",
  "documentation" : null,
  "simpleType" : "RecurringChargeFrequency",
  "variableSetterType" : "RecurringChargeFrequency"
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"wrapper" : false
},
"Region" : {
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a region.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : [
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      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The name of the region.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The name of the region.</p>
@param regionName The name of the region.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withRegionName",
      "getterDocumentation" : "/**<p>The name of the region.</p>
@return The name of the region.*/",
      "getterMethodName" : "getRegionName",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "httpfa...
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "regionName",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RegionName",
"setterDocumentation" : "/**<p>The name of the region.</p>
@param regionName The name of the region.
*/",
"setterMethodName" : "setRegionName",
"setterModel" : {
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 "variableName" : "regionName",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
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@param regionName The name of the region.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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 "variableName" : "regionName",
 "variableType" : "String",
 "documentation" : "<p>The name of the region.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The region service endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withEndpoint",
"getterDocumentation" : "/**<p>The region service endpoint.</p>
@return The region service endpoint.
*/"
"getterMethodName" : "getEndpoint",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RegionEndpoint",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "regionEndpoint",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Endpoint",
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@param endpoint The region service endpoint.*/",
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"setterModel" : {
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  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>The region service endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/"},

"getterMethodName" : "getEndpoint",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RegionEndpoint",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "regionEndpoint",
  "uri" : false
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"list" : false,
"listModel" : null,
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"mapModel" : null,
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@param endpoint The region service endpoint.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "<p>The region service endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Endpoint" : {
"c2jName" : "Endpoint",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The region service endpoint.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The region service endpoint.&lt;/p&gt;&lt;param&gt; endpoint The region service endpoint.&lt;/p&gt;&lt;return&gt; Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEndpoint",
"getterDocumentation" : "&lt;p&gt;The region service endpoint.&lt;/p&gt;&lt;param&gt; endpoint The region service endpoint.&lt;/p&gt;&lt;return&gt; The region service endpoint.
",
"getMethodName" : "getEndpoint",
"getModel" : {
 "returnType" : "String",
 "documentation" : null
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"http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RegionEndpoint",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "regionEndpoint",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Endpoint",
 "setterDocumentation" : "&lt;p&gt;The region service endpoint.&lt;/p&gt;&lt;param&gt; endpoint The region service endpoint.&lt;/p&gt;&lt;return&gt; The region service endpoint.
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 "setterModel" : {
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 "variableName" : "endpoint",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String"}
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The region service endpoint.</p>
@param endpoint The region service endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "endpoint",
"variableType" : "String",
"documentation" : "<p>The region service endpoint.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the region.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the region.</p>
@param regionName The name of the region.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRegionName",
"getterDocumentation" : "/**<p>The name of the region.</p>
@return The name of the region.*/",
"getterMethodName" : "getRegionName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RegionName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "regionName",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RegionName",
"setterDocumentation" : "/**<p>The name of the region.</p>
@param regionName The name of the region.*/",
"setterMethodName" : "setRegionName",
"setModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "regionName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the region.</p>
@param regionName The name of the region.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "region",
  "variableType" : "Region",
  "documentation" : null,
  "simpleType" : "Region",
  "variableSetterType" : "Region"
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Region",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Region",
  "variableName" : "region",
  "variableType" : "Region",
  "documentation" : null,
  "simpleType" : "Region",
  "variableSetterType" : "Region"
},
"wrapper" : false
},
"RegisterImageRequest" : {
  "c2jName" : "RegisterImageRequest",
}
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RegisterImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RegisterImage",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "ImageLocation",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@param imageLocation The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withImageLocation",
  "getterDocumentation" : "/**<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@return The full path to your AMI manifest in Amazon S3 storage.
*/",
  "getterMethodName" : "getImageLocation",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
**marshallLocationName**: "ImageLocation",

**queryString**: false,

**statusCode**: false,

**unmarshallLocationName**: "ImageLocation",

**uri**: false

},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ImageLocation",

**setterDocumentation**: "/**<p>The full path to your AMI manifest in Amazon S3 storage.</p>
@param imageLocation The full path to your AMI manifest in Amazon S3 storage.
*/

setterMethodName": "setImageLocation",

documentation" : "/**<p>The full path to your AMI manifest in Amazon S3
storage.</p>
@param imageLocation The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.
*/

variable": {

"variableDeclarationType": "String",

"variableName": "imageLocation",

"variableType": "String",

"documentation" : "/p>The full path to your AMI manifest in Amazon S3 storage.<p/>

"simple": true,

"varargSetterDocumentation": "/**<p>The full path to your AMI manifest in Amazon S3
storage.</p>
@param imageLocation The full path to your AMI manifest in Amazon S3 storage.
@return Returns a reference to this object so that method calls can be chained together.
*/

variable": {

"variableDeclarationType": "String",

"variableName": "imageLocation",

"variableType": "String",

"documentation" : "/p>The full path to your AMI manifest in Amazon S3 storage.<p/>

"simple": true,

"varargSetterDocumentation": "/**<p>A name for your AMI.</p>
@param name A name for your AMI.
*/

"documentation": "/p>A name for your AMI.</p>

"enumType": null,

"fluentSetterDocumentation": "/**<p>A name for your AMI.</p>
@param name A name for your AMI.
*/

"documentation": "/p>A name for your AMI.

"enumType": null,
signs (@), or underscores (_)@return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>
@return A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)/"",

"getterMethodName" : "getName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "name",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)/"",

"setterMethodName" : "setName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}


"simple": true,
"varargSetterDocumentation": "<p>A name for your AMI.</p> Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (’), at-signs (@), or underscores (_).
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "name",
  "variableType": "String",
  "documentation": "<p>A name for your AMI.</p> Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (’), at-signs (@), or underscores (_).
@return Returns a reference to this object so that method calls can be chained together. */",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Description",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>A description for your AMI.</p>
@return A description for your AMI.*/",
"getterMethodName": "getDescription",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "description",
  "uri": false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description for your AMI.</p>
@param description A description for your AMI.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A description for your AMI.</p>
@param description A description for your AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for your AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Architecture",
"c2jShape" : "ArchitectureValues",
"deprecated" : false,
"documentation" : "<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>",
"enumType" : "ArchitectureValues",
"fluentSetterDocumentation" : "/**<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p> <p>\n@see ArchitectureValues</p> <p>\n@return Returns a reference to this object so that method calls can be chained together.</p> <p>\n@see ArchitectureValues</p> <p>*/",
"fluentSetterMethodName" : "withArchitecture",
"getterDocumentation" : "/**<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p> <p>\n@return The architecture of the AMI.</p> <p>\n@see ArchitectureValues</p> <p>*/",
"getterMethodName" : "getArchitecture"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Architecture",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "architecture",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "/**\n\nThe architecture of the AMI.\n\nDefault: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.\n\n@see ArchitectureValues*/",
"setterMethodName" : "setArchitecture",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "architecture",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe architecture of the AMI.\n\nDefault: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.\n\n@see ArchitectureValues*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "architecture",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe architecture of the AMI.\n\nDefault: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.\n\n@see ArchitectureValues*/"
"variableType" : "String",
"documentation" : "<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>
@return The ID of the kernel.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "<p>The ID of the kernel.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RamdiskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ramdiskId",
  "uri" : false
},
"idempotencyToken" : false,
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.*\"",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*\"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "The ID of the RAM disk.*\",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RootDeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@param rootDeviceName The name of the root device (for example, 
<code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*\"
",
"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\*/",
"getterMethodName" : "getRootDeviceName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RootDeviceName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "rootDeviceName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RootDeviceName",
"setterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "rootDeviceName",
  "variableType" : "String",
  "documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
null,
"fluentSetterDocumentation" : "/** One or more block device mapping entries. */", 
"getterDocumentation" : "/** One or more block device mapping entries. */", 
"getterMethodName" : "getBlockDeviceMappings", 
"getterModel" : { 
  "returnType" : "java.util.List<BlockDeviceMapping>", 
  "documentation" : null 
}, 
"http" : { 
  "additionalMarshallingPath" : null, 
  "additionalUnmarshallingPath" : null, 
  "flattened" : false, 
  "greedy" : false, 
  "header" : false, 
  "isPayload" : false, 
  "isStreaming" : false, 
  "location" : null, 
  "marshallLocationName" : "BlockDeviceMapping", 
  "queryString" : false, 
  "statusCode" : false, 
  "unmarshallLocationName" : "BlockDeviceMapping", 
  "uri" : false 
}, 
"idempotencyToken" : false, 
"list" : true, 
"listModel" : { 
  "implType" : "com.amazonaws.internal.SdkInternalList", 
  "interfaceType" : "java.util.List", 
  "listMemberModel" : { 
    "c2jName" : "member", 
    "c2jShape" : "BlockDeviceMapping", 
    "deprecated" : false, 
    "documentation" : "", 
    "enumType" : null, 
    "fluentSetterDocumentation" : "/** @param member @return Returns a reference to this object so that method calls can be chained together. */", 
    "getterMethodName" : "getMember", 
    "getterModel" : { 
      "returnType" : "java.util.List<BlockDeviceMapping>" 
    } 
  } 
}
"getterModel" : {
    "returnType" : "BlockDeviceMapping",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "BlockDeviceMapping",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "BlockDeviceMapping",
    "variableName" : "member",
    "variableType" : "BlockDeviceMapping",
    "documentation" : "",
    "simpleType" : "BlockDeviceMapping",
    "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "BlockDeviceMapping",
    "variableName" : "member",
    "variableType" : "BlockDeviceMapping",
    "documentation" : "",
    "simpleType" : "BlockDeviceMapping",
    "variableSetterType" : "BlockDeviceMapping"
}
"xmlnsSpaceUri" : null]
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>>
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**\n*p>One or more block device mapping entries.<p>@param blockDeviceMappings One or more block device mapping entries.<p/>
*\n@ddoc</p>
\n@ddoc

This method appends the values to the existing list (if any). Use { @link 
#setBlockDeviceMappings(java.util.Collection) } or { @link #withBlockDeviceMappings(java.util.Collection) } if 
you want to override the existing values.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n*p>One or more block device mapping entries.<p><b>NOTE:</b><p>
This method appends the values to the existing list (if any). Use { @link 
#setBlockDeviceMappings(java.util.Collection) } or { @link #withBlockDeviceMappings(java.util.Collection) } if 
you want to override the existing values.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>
*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "One or more block device mapping entries.<p>
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null,
},
{ "c2jName" : "VirtualizationType",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The type of virtualization.<p><p>Default: <code>paravirtual</code></p>
"enumType" : null,
 "fluuentSetterDocumentation" : "/**\n*p>The type of virtualization.<p><p>Default: <code>paravirtual</code>
"variableName": "virtualizationType",
"variableType": "String",
"documentation": "The type of virtualization.
Default: <code>paravirtual</code>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"
c2jName": "SriovNetSupport",
"c2jShape": "String",
"deprecated": false,
"documentation": "Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

### Fluent Setter Documentation

```
/**
Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@returns Returns a reference to this object so that method calls can be chained together.
*/
```

```
"getterDocumentation": "/**
Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@returns Returns a reference to this object so that method calls can be chained together.
*/
```

```
"getterMethodName": "getSriovNetSupport",
"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
}
"marshallLocationName" : "SriovNetSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "sriovNetSupport",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SriovNetSupport",
"setterDocumentation" : "*/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p> 
@return Returns a reference to this object so that method calls can be chained together.*"/",

"setterMethodName" : "setSriovNetSupport",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param sriovNetSupport Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p> \n@return Returns a reference to this object so that method calls can be chained together.*"/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sriovNetSupport",
  "variableType" : "String",
  "documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p> 
"simpleType" : "String",
"simpleType" : "String",
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "EnaSupport",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Set to &lt;code&gt;true&lt;/code&gt; to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Set to &lt;code&gt;true&lt;/code&gt; to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.&lt;/p&gt;\n@Param enaSupport Set to &lt;code&gt;true&lt;/code&gt; to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.\n@Return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withEnaSupport",
"getterDocumentation" : "/**
<p>Set to &lt;code&gt;true&lt;/code&gt; to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.&lt;/p&gt;\n@Return Set to &lt;code&gt;true&lt;/code&gt; to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.&lt;/p&gt; &lt;p&gt;This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.*/",

"getterMethodName" : "getEnaSupport",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EnaSupport",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "enaSupport",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EnaSupport",
"setterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.*/",
"setterMethodName" : "setEnaSupport",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "enaSupport",
   "variableType" : "Boolean",
   "documentation" : "",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>
@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "enaSupport",
   "variableType" : "Boolean",
   "documentation" : "Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable."
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
   "Architecture" : {
      "c2jName" : "Architecture",
      "c2jShape" : "ArchitectureValues",
      "deprecated" : false,
      "documentation" : "The architecture of the AMI. Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file."
   },
   "enumType" : "ArchitectureValues",
   "fluentSetterDocumentation" : "The architecture of the AMI. Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file."
}
@param architecture The architecture of the AMI.

Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.

@returns A reference to this object so that method calls can be chained together.

@see ArchitectureValues*/

"getterMethodName" : "getArchitecture",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Architecture",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "architecture",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Architecture",
"setterDocumentation" : "The architecture of the AMI.

Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.

@returns The architecture of the AMI.

Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.

@see ArchitectureValues*/

"setterMethodName" : "setArchitecture",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "architecture",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "architecture",
    "variableType" : "String",
    "documentation" : "The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.\n\n@param architecture The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ArchitectureValues*/",
    "simple" : true,
    "varargSetterDocumentation" : "/**\n<p>The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.</p>\n\n@param architecture The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.<p></p>\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ArchitectureValues*/",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "architecture",
        "variableType" : "String",
        "documentation" : "The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.
\n@param architecture The architecture of the AMI. Default: For Amazon EBS-backed AMIs, \"i386\". For instance store-backed AMIs, the architecture specified in the manifest file.
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ArchitectureValues*/",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
    "c2jName" : "BlockDeviceMappings",
    "c2jShape" : "BlockDeviceMappingRequestList",
    "deprecated" : false,
    "documentation" : "One or more block device mapping entries.<p></p>\n\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/**\n<p>One or more block device mapping entries.</p>
\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withBlockDeviceMappings",
    "getterDocumentation" : "/**\n<p>One or more block device mapping entries.</p>
\n@return One or more block device mapping entries.\n\n@see BlockDeviceMapping*/",
    "getterMethodName" : "getBlockDeviceMappings",
    "getterModel" : {
        "returnType" : "java.util.List<BlockDeviceMapping>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "BlockDeviceMapping",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "BlockDeviceMapping",
        "xmlNameSpaceUri" : null
    },
    "BlockDeviceMappings" : {
        "c2jName" : "BlockDeviceMappings",
        "c2jShape" : "BlockDeviceMappingRequestList",
        "deprecated" : false,
        "documentation" : "One or more block device mapping entries.
\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterDocumentation" : "/**\nOne or more block device mapping entries.<p></p>\n\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withBlockDeviceMappings",
        "getterDocumentation" : "/**\nOne or more block device mapping entries.<p></p>\n\n@return One or more block device mapping entries.\n\n@see BlockDeviceMapping*/",
        "getterMethodName" : "getBlockDeviceMappings",
        "getterModel" : {
            "returnType" : "java.util.List<BlockDeviceMapping>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "BlockDeviceMapping",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "BlockDeviceMapping",
            "xmlNameSpaceUri" : null
        }
    },
    "BlockDeviceMappings" : {
        "c2jName" : "BlockDeviceMappings",
        "c2jShape" : "BlockDeviceMappingRequestList",
        "deprecated" : false,
        "documentation" : "One or more block device mapping entries.
\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterDocumentation" : "/**\nOne or more block device mapping entries.<p></p>\n\n@param blockDeviceMappings One or more block device mapping entries.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withBlockDeviceMappings",
        "getterDocumentation" : "/**\nOne or more block device mapping entries.<p></p>\n\n@return One or more block device mapping entries.\n\n@see BlockDeviceMapping*/",
        "getterMethodName" : "getBlockDeviceMappings",
        "getterModel" : {
            "returnType" : "java.util.List<BlockDeviceMapping>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "BlockDeviceMapping",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "BlockDeviceMapping",
            "xmlNameSpaceUri" : null
        }
    }
}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "BlockDeviceMapping",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "BlockDeviceMapping",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "BlockDeviceMapping",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "BlockDeviceMapping",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "BlockDeviceMapping",
      "variableName" : "member",
      "variableType" : "BlockDeviceMapping"
    }
  }
}
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>
",
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.</p>@param blockDeviceMappings One or more block device mapping entries.</p>

"setterIOException" : "BlockDeviceMapping",
"setterMethod" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : "",
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>

This method appends the values to the existing list (if any). Use @link #setBlockDeviceMappings(java.util.Collection) or @link #withBlockDeviceMappings(java.util.Collection) if
you want to override the existing values.<p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
      "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
      "variableName" : "blockDeviceMappings",
      "variableType" : "java.util.List<BlockDeviceMapping>",
      "documentation" : "<p>One or more block device mapping entries.</p>",
      "simpleType" : "List<BlockDeviceMapping>",
      "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
    },
    "xmlNameSpaceUri" : null
  },
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A description for your AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A description for your AMI.</p>
  @param description A description for your AMI.
  @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withDescription",
    "getterDocumentation" : "/**<p>A description for your AMI.</p>
  @return A description for your AMI.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Description",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "description",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Description"
".setterDocumentation": "\/**<p>A description for your AMI.</p>\n@param description A description for your AMI.*/",
"setterMethodName": "setDescription",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "\/**<p>A description for your AMI.</p>\n@param description A description for your AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description for your AMI.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"EnaSupport": {
  "c2jName": "EnaSupport",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "\n<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "\n<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withEnaSupport",
  "getterDocumentation": "\n<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
\n@param enaSupport Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.
<p><code>true</code> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName": "getEnaSupport",
  "getterModel": {""}
Set to `<code>true</code>` to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

```java
@param enaSupport Set to `<code>true</code>` to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI. This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

```
"variableDeclarationType" : "Boolean",
"variableName" : "enaSupport",
"variableType" : "Boolean",
"documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"},
"xmlNameSpaceUri" : null
},
"ImageLocation" : {
"c2jName" : "ImageLocation",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The full path to your AMI manifest in Amazon S3 storage.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/@*<p>The full path to your AMI manifest in Amazon S3 storage.</p>@*/\n@param imageLocation The full path to your AMI manifest in Amazon S3 storage.\n@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterMethodName" : "withImageLocation",
"getterDocumentation" : "/@*<p>The full path to your AMI manifest in Amazon S3 storage.</p>@*/\n@return The full path to your AMI manifest in Amazon S3 storage.*="/",
"getterMethodName" : "getImageLocation",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageLocation",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageLocation",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>",
  "enumType" : false,
  "fluentSetterDocumentation" : "/**<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces (), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)</p>\n@param name A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric
characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)

f&lt;fluent&quot;MethodName&quot;: &quot;withName&quot;,

\*/

&privacy;ionMethodDocumentation&quot;: &quot;/**&lt;p&gt;A name for your AMI.&lt;/p&gt;\n
&lt;p&gt;Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)&lt;/p&gt;&lt;p&gt;\n
&lt;p&gt;A name for your AMI.&lt;/p&gt;&lt;p&gt;Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)&lt;/p&gt;&lt;p&gt;\n

\*/

getterMethodName&quot;: &quot;getName&quot;,

getterModel" : {
    
    documentation" : null
},

http" : {
    
    additionalMarshallingPath" : null,
    
    additionalUnmarshallingPath" : null,
    
    flattened" : false,
    
    greedy" : false,
    
    header" : false,
    
    isPayload" : false,
    
    isStreaming" : false,
    
    location" : null,
    
    marshallLocationName" : &quot;Name&quot;,
    
    queryString" : false,
    
    statusCode" : false,
    
    unmarshallLocationName" : &quot;name&quot;,
    
    uri" : false
},

idempotencyToken" : false,

list" : false,

listModel" : null,

map" : false,

mapModel" : null,

"name" : &quot;Name&quot;,

setterDocumentation" : &quot;/**&lt;p&gt;A name for your AMI.&lt;/p&gt;\n
&lt;p&gt;Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)&lt;/p&gt;&lt;p&gt;\n
"setterMethodDocumentation" : &quot;setName&quot;,

setterModel" : {
    
    variableDeclarationType" : &quot;String&quot;,
    
    variableName" : &quot;name&quot;,
    
    variableType" : &quot;String&quot;,
    
    documentation" : &quot;&quot;,
    
    simpleType" : &quot;String&quot;,
    
    variableSetterType" : &quot;String&quot;
"simple" : true,
"varargSetterDocumentation" : "/*<p>A name for your AMI.</p> Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_).</p>*/
@param name A name for your AMI.
Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>A name for your AMI.</p> Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@param name A name for your AMI.
Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/*<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RootDeviceName" : {
"c2jName" : "RootDeviceName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). </p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRootDeviceName",
"getterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). </p>
@return The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).*/",
"getterMethodName" : "getRootDeviceName",
"name" : "RootDeviceName",
"null" : false,
"setterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). </p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRootDeviceName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). </p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>). 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "rootDeviceName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RootDeviceName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "rootDeviceName",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RootDeviceName",
"setterDocumentation": "/** <p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setRootDeviceName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>
@param rootDeviceName The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "rootDeviceName",
  "variableType": "String",
  "documentation": "\n<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).\n\n\</p>"}
**simpleType** : "String",
**variableSetterType** : "String"
},
**xmlNameSpaceUri** : null
},
**SriovNetSupport** : {
  "c2jName" : "SriovNetSupport",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time.</p> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

**enumType** : null,
**fluentSetterDocumentation** : "/*\*<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time.</p> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@returns Returns a reference to this object so that method calls can be chained together.*/",
**fluentSetterMethodName** : "withSriovNetSupport",
**getterDocumentation** : "/*\*<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time.</p> This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@returns Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable <code>sriovNetSupport</code> at this time.

@returns Returns a reference to this object so that method calls can be chained together.*/",
**getterMethodName** : "getSriovNetSupport",
**getterModel** : {
  "returnType" : "String",
  "documentation" : null
},
**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SriovNetSupport",
  "queryString" : false,
Set to `<code>simple</code>` to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI. There is no way to disable `<code>sriovNetSupport</code>` at this time.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

@returns Returns a reference to this object so that method calls can be chained together.

```java
public static Map<String, String> setSriovNetSupport(String sriovNetSupport) {
    // Method implementation
}
```
"xmlNameSpaceUri" : null
},
"VirtualizationType" : {
 "c2jName" : "VirtualizationType",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The type of virtualization. Default: paravirtual",
 "enumType" : null,
 "fluentSetterDocumentation" : "The type of virtualization. Default: paravirtual",
 "getterDocumentation" : "The type of virtualization. Default: paravirtual",
 "getterMethodName" : "getVirtualizationType",
 "getterModel" : { 
  "returnType" : "String",
  "documentation" : null
 }
},
"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VirtualizationType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "virtualizationType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualizationType",
"setterDocumentation" : "The type of virtualization. Default: paravirtual",
"setterMethodName" : "setVirtualizationType",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "virtualizationType",
  "variableType" : "String",
  "documentation" : "",

"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code></p>
@param virtualizationType The type of virtualization.</p> <p>Default: <code>paravirtual</code>
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "virtualizationType",
"variableType" : "String",
"documentation" : "<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code></p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Name" ],
"shapeName" : "RegisterImageRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "RegisterImageRequest",
"variableName" : "registerImageRequest",
"variableType" : "RegisterImageRequest",
"documentation" : null,
"simpleType" : "RegisterImageRequest",
"variableSetterType" : "RegisterImageRequest"
},
"wrapper" : false
},
"RegisterImageResult" : {
"c2jName" : "RegisterImageResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingUnmarshaller" : false,
"skipGeneratingModelClass" : false,
"deprecated" : false,
"documentation" : "<p>Contains the output of RegisterImage.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the newly registered AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@nThe ID of the newly registered AMI.

@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withImageId",
  "getterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@n@return The ID of the newly registered AMI.

*/",
  "getterMethodName" : "getImageId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageId",
  "setterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@n@param imageId The ID of the newly registered AMI.

*/",
  "setterMethodName" : "setImageId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ImageId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the newly registered AMI.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@nThe ID of the newly registered AMI.

@return Returns a reference to this object so that method calls can be chained
together.*/",
  "fluentSetterMethodName" : "withImageId",
  "getterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@n@return The ID of the newly registered AMI.

*/",
  "getterMethodName" : "getImageId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ImageId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "imageId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ImageId",
  "setterDocumentation" : "/**<p>The ID of the newly registered AMI.</p>
@n@param imageId The ID of the newly registered AMI.

*/",
  "setterMethodName" : "setImageId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",

"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "imageId",
"variableType": "String",
"documentation": "<p>The ID of the newly registered AMI.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"ImageId": {
"c2jName": "ImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the newly registered AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@return The ID of the newly registered AMI.*/",
"getterMethodName": "getImageId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "imageId",
"variableDeclarationType": "String",
"variableName": "imageId",
"variableType": "String",
"documentation": "<p>The ID of the newly registered AMI.</p>",
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "imageId",
"variableType": "String",
"documentation": "<p>The ID of the newly registered AMI.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
"ImageId": {
"c2jName": "ImageId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the newly registered AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@param imageId The ID of the newly registered AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**<p>The ID of the newly registered AMI.</p>
@return The ID of the newly registered AMI.*/",
"getterMethodName": "getImageId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ImageId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "imageId",
"uri" : false,
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/*\n@\n\</p>\n@\n\n@param \nimageId The ID of the newly registered AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@\n\</p>\n@\n\n@param \nimageId The ID of the newly registered AMI.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "The ID of the newly registered AMI.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RegisterImageResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RegisterImageResult",
  "variableName" : "registerImageResult",
  "variableType" : "RegisterImageResult",
  "documentation" : null,
  "simpleType" : "RegisterImageResult",
  "variableSetterType" : "String"}
"variableSetterType" : "RegisterImageResult"
],
"wrapper" : false
},
"RejectVpcPeeringConnectionRequest" : {
"c2jName" : "RejectVpcPeeringConnectionRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RejectVpcPeeringConnection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RejectVpcPeeringConnection",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVpcPeeringConnectionId",
    "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>\n@return The ID of the VPC peering connection.*/",
    "getterMethodName" : "getVpcPeeringConnectionId",
    "getReturnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**\n*pThe ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe ID of the VPC peering connection.</p>\n@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "VpcPeeringConnectionId" : {
    "c2jName" : "VpcPeeringConnectionId",
    "c2jShape" : "String",
    "deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>*/
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>*/
@return The ID of the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcPeeringConnectionId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcPeeringConnectionId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>*/
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>*/
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/"
method calls can be chained together.*}/

```
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcPeeringConnectionId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC peering connection.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "VpcPeeringConnectionId" ],
"shapeName" : "RejectVpcPeeringConnectionRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "RejectVpcPeeringConnectionRequest",
    "variableName" : "rejectVpcPeeringConnectionRequest",
    "variableType" : "RejectVpcPeeringConnectionRequest",
    "documentation" : null,
    "simpleType" : "RejectVpcPeeringConnectionRequest",
    "variableSetterType" : "RejectVpcPeeringConnectionRequest"
},
"wrapper" : false
},
"RejectVpcPeeringConnectionResult" : {
    "c2jName" : "RejectVpcPeeringConnectionResult",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the output of RejectVpcPeeringConnection.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "Return",
        "c2jShape" : "Boolean",
        "deprecated" : false,
```
>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.

```java
/**
 * Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
 *
 * @param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
 * @return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.
 */

public boolean getReturn()
    Returns <code>true</code> if the request succeeds; otherwise, it returns an error.

```
an error.\n\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n
    "variable" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "returnValue",
        "variableType" : "Boolean",
        "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
    },
    "xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "Return" : {
        "c2jName" : "Return",
        "c2jShape" : "Boolean",
        "deprecated" : false,
        "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/*<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n\n@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withReturn",
        "getterDocumentation" : "/*<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>\n\n@return Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
        "getterMethodName" : "getReturn",
        "getterModel" : {
            "returnType" : "Boolean",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Return",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "return",
            "uri" : false
        },
        "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Return",
"setterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.*/",
"setterMethodName" : "setReturn",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>@param returnValue Returns <code>true</code> if the request succeeds; otherwise, it returns an error.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "returnValue",
  "variableType" : "Boolean",
  "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RejectVpcPeeringConnectionResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RejectVpcPeeringConnectionResult",
  "variableName" : "rejectVpcPeeringConnectionResult",
  "variableType" : "RejectVpcPeeringConnectionResult",
  "documentation" : null,
  "simpleType" : "RejectVpcPeeringConnectionResult",
  "variableSetterType" : "RejectVpcPeeringConnectionResult"
"ReleaseAddressRequest" : {
  "c2jName" : "ReleaseAddressRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReleaseAddress.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ReleaseAddress",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "c2jName" : "PublicIp",
      "c2jShape" : "String",
      "deprecated" : false,
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>@param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withPublicIp",
      "getterDocumentation" : "/**<p>[EC2-Classic] The Elastic IP address. Required for EC2-
Classic.</p>@return [EC2-Classic] The Elastic IP address. Required for EC2-Classic.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "getterMethod" : "getPublicIp",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "requestName" : "publicIp",
        "requestUri" : "/
      }
    }
  }
}
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "PublicIp",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PublicIp",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PublicIp",
"setterDocumentation": "/**
\[EC2-Classic\] The Elastic IP address. Required for EC2-Classic.
*/
@param publicIp \[EC2-Classic\] The Elastic IP address. Required for EC2-Classic.

setterMethodName": "setPublicIp",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
\[EC2-Classic\] The Elastic IP address. Required for EC2-Classic.
*/
@param publicIp \[EC2-Classic\] The Elastic IP address. Required for EC2-Classic.

@return Returns a reference to this object so that method calls can be chained together.
*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "publicIp",
  "variableType": "String",
  "documentation": "<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.\</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
},
{"c2jName": "AllocationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.\</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
\[EC2-VPC\] The allocation ID. Required for EC2-VPC.
*/
@param allocationId \[EC2-VPC\] The allocation ID. Required for EC2-VPC.

@return Returns a reference to this object so that method calls can be chained together.
*/
"variable": {
  "variableDeclarationType": "String",
  "variableName": "allocationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together. */
   
   "setterMethodName" : "setAllocationId",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "allocationId",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
   \n   @param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.*/
   
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "allocationId",
      "variableType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AllocationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "AllocationId",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "AllocationId",
   "setterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
   \n   @param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.*/
   
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "allocationId",
      "variableType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "AllocationId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "AllocationId",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "AllocationId",
   "setterDocumentation" : "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
   \n   @param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.*/
   
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "allocationId",
      "variableType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"variableName": "allocationId",
"variableType": "String",
"documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
}],
"membersAsMap": {
"AllocationId": {
"c2jName": "AllocationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAllocationId",
"getterDocumentation": "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@return [EC2-VPC] The allocation ID. Required for EC2-VPC.*/",
"getterMethodName": "getAllocationId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AllocationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AllocationId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AllocationId",
"setterDocumentation": "/**<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>
@param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.*/"
allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.*/",
        "setterMethodName" : "setAllocationId",
        "setterModel" : {
            "variableDeclarationType" : "String",
            "variableName" : "allocationId",
            "variableType" : "String",
            "documentation" : "",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "simple" : true,
        "varargSetterDocumentation" : "/**\<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.<\p>\n@\param allocationId [EC2-VPC] The allocation ID. Required for EC2-VPC.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
        "variable" : {
            "variableDeclarationType" : "String",
            "variableName" : "allocationId",
            "variableType" : "String",
            "documentation" : "[EC2-VPC] The allocation ID. Required for EC2-VPC.\n",
            "simpleType" : "String",
            "variableSetterType" : "String"
        },
        "xmlNameSpaceUri" : null
    },
    "PublicIp" : {
        "c2jName" : "PublicIp",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "[EC2-Classic] The Elastic IP address. Required for EC2-Classic.*/",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.\n@\param publicIp [EC2-Classic] The Elastic IP address. Required for EC2-Classic.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
        "fluentSetterMethodName" : "withPublicIp",
        "getterDocumentation" : "/**\<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.\n@\param return [EC2-Classic] The Elastic IP address. Required for EC2-Classic.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
        "getterMethodName" : "getPublicIp",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
"variableType" : "ReleaseAddressRequest",
"documentation" : null,
"simpleType" : "ReleaseAddressRequest",
"variableSetterType" : "ReleaseAddressRequest"
},
"wrapper" : false
},
"ReleaseAddressResult" : {
 "c2jName" : "ReleaseAddressResult",
 "customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : null,
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "marshaller" : null,
 "members" : null,
 "membersAsMap" : { },
 "requestSignerAware" : false,
 "requestSignerClassFqcn" : null,
 "required" : null,
 "shapeName" : "ReleaseAddressResult",
 "unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
 },
 "variable" : {
  "variableDeclarationType" : "ReleaseAddressResult",
  "variableName" : "releaseAddressResult",
  "variableType" : "ReleaseAddressResult",
  "documentation" : null,
  "simpleType" : "ReleaseAddressResult",
  "variableSetterType" : "ReleaseAddressResult"
 },
 "wrapper" : false
},
"ReleaseHostsRequest" : {
 "c2jName" : "ReleaseHostsRequest",
 "customization" : {
  "artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false}
,"deprecated" : false,
"documentation" : "<p>Contains the parameters for ReleaseHosts.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ReleaseHosts",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [{
"c2jName" : "HostIds",
"c2jShape" : "RequestHostIdList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /*\r\n\t@param hostIds The IDs of the Dedicated Hosts you want to release.*/
"getterDocumentation" : /*\r\n\t@return Returns a reference to this object so that method calls can be chained together.*/
,"getterMethodName" : "getHostIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HostId",
"queryString" : false,
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "HostIds",
"setterDocumentation" : "/**\nThe IDs of the Dedicated Hosts you want to release.*/\n@\n@param hostIds
The IDs of the Dedicated Hosts you want to release.*/",
"setterMethodName" : "setHostIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**\nThe IDs of the Dedicated Hosts you want to
release.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setHostIds(java.util.Collection)} or {@link #withHostIds(java.util.Collection)} if you want to override the existing values. <p/>

@override

@param hostIds The IDs of the Dedicated Hosts you want to release. <p/>

@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "hostIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},

"xmlNameSpaceUri" : null
},

"membersAsMap" : {

"HostIds" : {
  "c2jName" : "HostIds",
  "c2jShape" : "RequestHostIdList",
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>

@override

@param hostIds The IDs of the Dedicated Hosts you want to release. <p/>

@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withHostIds",
  "getterDocumentation" : "/**<p>The IDs of the Dedicated Hosts you want to release.</p>

@override

The IDs of the Dedicated Hosts you want to release. <p/>

@return The IDs of the Dedicated Hosts you want to release. <p/>

getterMethodName" : "getHostIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "HostId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hostId",
  "uri" : false
},

"idempotencyToken" : false,

"idempotencyToken" : false,
The IDs of the Dedicated Hosts you want to release.

### setterDocumentation

```
/**
 * The IDs of the Dedicated Hosts you want to release.
 * @param hostIds The IDs of the Dedicated Hosts you want to release.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

### setterModel

```
{
    "simple": false,
    "variableSetterType": "java.util.Collection<String>",
    "varargSetterDocumentation": "/**
     * The IDs of the Dedicated Hosts you want to release.
     * @param hostIds The IDs of the Dedicated Hosts you want to release.
     * @return Returns a reference to this object so that method calls can be chained together.
     */
```

### getterDocumentation

```
/**
 * The IDs of the Dedicated Hosts you want to release.
 * @return The IDs of the Dedicated Hosts you want to release.
 */
```

### getterModel

```
{
    "simple": false,
    "variableSetterType": "java.util.Collection<String>",
    "varargSetterDocumentation": "/**
     * The IDs of the Dedicated Hosts you want to release.
     * @param hostIds The IDs of the Dedicated Hosts you want to release.
     * @return Returns a reference to this object so that method calls can be chained together.
     */
```

### sendEmptyQueryString

```
false
```

### simple

```
true
```

### simpleType

```
String
```

### variable

```
{
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
}
```

### varargSetterDocumentation

```
/**
 * The IDs of the Dedicated Hosts you want to release.
 * @param hostIds The IDs of the Dedicated Hosts you want to release.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

### memberType

```
String
```

### memberLocationName

```
item
```

### map

```
false
```

### marshallNonAutoConstructedEmptyLists

```
false
```

### memberAdditionalMarshallingPath

```
null
```

### memberAdditionalUnmarshallingPath

```
null
```

### sendEmptyQueryString

```
false
```

### simple

```
true
```

### simpleType

```
String
```

### templateImplType

```
com.amazonaws.internal.SdkInternalList<String>
```

### templateType

```
java.util.List<String>
```

### varargSetterDocumentation

```
/**
 * The IDs of the Dedicated Hosts you want to release.
 * @param hostIds The IDs of the Dedicated Hosts you want to release.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "hostIds",
"variableType": "java.util.List<String>",
"documentation": "The IDs of the Dedicated Hosts you want to release.",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
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"required": [ "HostIds" ],
"shapeName": "ReleaseHostsRequest",
"unmarshaller": null,
"variable": {
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"variableName": "releaseHostsRequest",
"variableType": "ReleaseHostsRequest",
"documentation": null,
"simpleType": "ReleaseHostsRequest",
"variableSetterType": "ReleaseHostsRequest"
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"wrapper": false
},
"ReleaseHostsResult": {
"c2jName": "ReleaseHostsResult",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": "Contains the output of ReleaseHosts.",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [{
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"c2jShape": "ResponseHostIdList",
"deprecated": false,
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"enumType": null,
"parameterName": null,
"simpleType": null,
"variableDeclarationType": null,
"variableName": null,
"variableType": null,
"variableSetterType": null}
}
The IDs of the Dedicated Hosts that were successfully released.

```java
@Param successful The IDs of the Dedicated Hosts that were successfully released.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The IDs of the Dedicated Hosts that were successfully released.
 */

public List<String> getSuccessful() {
    return successful;
}

public void withSuccessful(List<String> successful) {
    this.successful = successful;
}
```

The IDs of the Dedicated Hosts that were successfully released.

```java
@Param member

@return

/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public String getMember() {
    return member;
}

public void withMember(String member) {
    this.member = member;
}
```
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
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"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
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@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlnsNameSpaceUri": null
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"memberLocationName": "item",
"memberType": "String",
"map": false,
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
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"setterModel" : {
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"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that were successfully released.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setSuccessful(java.util.Collection) \} or \{ @link #withSuccessful(java.util.Collection) \} if you want to override the existing values.\n@param successful The IDs of the Dedicated Hosts that were successfully released.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of the Dedicated Hosts that were successfully released.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
]"
"c2jName" : "Unsuccessful",
"c2jShape" : "UnsuccessfulItemList",
"deprecated" : false,
"documentation" : "<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>\n@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnsuccessful",
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"getterModel" : {
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  "documentation" : null
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "unsuccessful",
  "uri" : false
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  "interfaceType" : "java.util.List",
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    "c2jShape" : "UnsuccessfulItem",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
    }
  },
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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  "variableSetterType" : "UnsuccessfulItem"
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  "variableType" : "UnsuccessfulItem",
  "documentation" : "",
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UnsuccessfulItem",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"sendEmptyQueryString" : false,
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"simpleType" : "UnsuccessfulItem",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UnsuccessfulItem>",
"templateType" : "java.util.List<UnsuccessfulItem>"}
The IDs of the Dedicated Hosts that could not be released, including an error message.

@returns

Returns a reference to this object so that method calls can be chained together.

The IDs of the Dedicated Hosts that were successfully released.

@returns

Returns a reference to this object so that method calls can be chained together.

DOCS

The IDs of the Dedicated Hosts that could not be released, including an error message.

Method append values to existing list (if any). Use setUnsuccessful or withUnsuccessful if you want to override the existing values.

The IDs of the Dedicated Hosts that were successfully released.

Returns a reference to this object so that method calls can be chained together.

DOCS

The IDs of the Dedicated Hosts that were successfully released.
"documentation": null,
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"http": {
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  "greedy": false,
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  "isStreaming": false,
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  "queryString": false,
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  "unmarshallLocationName": "successful",
  "uri": false
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"idempotencyToken": false,
"list": true,
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  "interfaceType": "java.util.List",
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    "c2jName": "member",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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}
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
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@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"complexType" : "java.util.List<String>"
}
},
"map" : false,
"mapModel" : null,
"name" : "Successful"
"setterDocumentation": "/**<p>The IDs of the Dedicated Hosts that were successfully released.</p>
@param successful The IDs of the Dedicated Hosts that were successfully released.*/",
"setterMethodName": "setSuccessful",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "successful",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts that were successfully released.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSuccessful(java.util.Collection)} or {@link #withSuccessful(java.util.Collection)} if you want to override the existing values.</p>
@param successful The IDs of the Dedicated Hosts that were successfully released.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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"xmlNameSpaceUri": null,
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  "documentation": "The IDs of the Dedicated Hosts that could not be released, including an error message.",
  "enumType": null,
  "fluemtSetterDocumentation": "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>
@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluemtSetterMethodName": "withUnsuccessful",
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@returns The IDs of the Dedicated Hosts that could not be released, including an error message.
@returns Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation": null
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"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "unsuccessful",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
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method calls can be chained together.*/",
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      "documentation" : null
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      "greedy" : false,
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      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
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"mapModel": null,
"name": "Member",
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@param member */",
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  "documentation": "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "UnsuccessfulItem"
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"marshallNonAutoConstructedEmptyLists": false,
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"memberAdditionalUnmarshallingPath": null,
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"templateType": "java.util.List<UnsuccessfulItem>",
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"setterMethodName": "setUnsuccessful",
"setterModel": {

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"documentation" : "",
"simpleType" : "List<UnsuccessfulItem>",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the Dedicated Hosts that could not be released, including an error message.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setUnsuccessful(java.util.Collection)] or [@link #withUnsuccessful(java.util.Collection)] if you want to override the existing values.<p>\n@param unsuccessful The IDs of the Dedicated Hosts that could not be released, including an error message.<p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "java.util.List<UnsuccessfulItem>",
"documentation" : "The IDs of the Dedicated Hosts that could not be released, including an error message.",
"variableSetterType" : "java.util.Collection<UnsuccessfulItem>"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReleaseHostsResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
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"variableName" : "releaseHostsResult",
"variableType" : "ReleaseHostsResult",
"documentation" : null,
"simpleType" : "ReleaseHostsResult",
"variableSetterType" : "ReleaseHostsResult"
},
"wrapper" : false
}
"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
"name": "IamInstanceProfile",
"setterDocumentation": "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.</param>*/",
"setterMethodName": "setIamInstanceProfile",
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  "documentation": "",
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  "variableSetterType": "IamInstanceProfileSpecification"
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"simple": false,
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@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName": "withAssociationId",
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  "documentation": "<p>The IAM instance profile.</p>",
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the existing IAM instance profile association.</p>
@param associationId The ID of the existing IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAssociationId",
"getterDocumentation": "/**<p>The ID of the existing IAM instance profile association.</p>
@return The ID of the existing IAM instance profile association.*/",
"getterMethodName": "getAssociationId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
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@param
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"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
associationId The ID of the existing IAM instance profile association
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the existing IAM instance profile association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
"membersAsMap" : {
  "AssociationId" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AssociationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AssociationId",
    "uri" : false,
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "AssociationId",
    "setterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
associationId The ID of the existing IAM instance profile association */",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
associationId The ID of the existing IAM instance profile association
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the existing IAM instance profile association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the existing IAM instance profile association.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
associationId The ID of the existing IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@return The ID of the existing IAM instance profile association.*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AssociationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",

"setterDocumentation" : "/**<p>The ID of the existing IAM instance profile association.</p>
@param
associationId The ID of the existing IAM instance profile association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the existing IAM instance profile association.
 * @param associationId The ID of the existing IAM instance profile association
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "The ID of the existing IAM instance profile association.<p="/p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
  "c2jName" : "IamInstanceProfile",
  "c2jShape" : "IamInstanceProfileSpecification",
  "deprecated" : false,
  "documentation" : "The IAM instance profile.<p="/p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n * The IAM instance profile.<p="/p>
 * @param iamInstanceProfile The IAM instance profile.
 * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withIamInstanceProfile",
  "getterDocumentation" : "/**\n * The IAM instance profile.\p="/p>
 * @return The IAM instance profile.*/",
  "getterMethodName" : "getIamInstanceProfile",
  "getterModel" : {
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    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "httpOptions" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "IamInstanceProfile",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "IamInstanceProfile",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile. */",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileSpecification",
  "variableName" : "iamInstanceProfile",
  "variableType" : "IamInstanceProfileSpecification",
  "documentation" : "p The IAM instance profile.
  "simple" : false,
  "xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "IamInstanceProfile", "AssociationId" ],
"shapeName" : "ReplaceIamInstanceProfileAssociationRequest",
"unmarshaller" : null,
"variable" : {
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  "variableName" : "replaceIamInstanceProfileAssociationRequest",
  "variableType" : "ReplaceIamInstanceProfileAssociationRequest",
  "documentation" : null,
  "simpleType" : "ReplaceIamInstanceProfileAssociationRequest",
  "variableSetterType" : "ReplaceIamInstanceProfileAssociationRequest"
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"wrapper" : false,
"ReplaceIamInstanceProfileAssociationResult" : {
  "c2jName" : "ReplaceIamInstanceProfileAssociationResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  }
}
Information about the IAM instance profile association.

**getterDocumentation**: 
```java
/** Information about the IAM instance profile association. 
 * @param iamInstanceProfileAssociation Information about the IAM instance profile association.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

**getterMethodName**: 
```java
getIamInstanceProfileAssociation
```

**getterModel**: 
```java
{ 
   "returnType" : "IamInstanceProfileAssociation",
   "documentation" : null
}
```

**http**: 
```java
{ 
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "IamInstanceProfileAssociation",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "iamInstanceProfileAssociation",
   "uri" : false
}
```

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "IamInstanceProfileAssociation",
"setterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param iamInstanceProfileAssociation Information about the IAM instance profile association.*/",
"setterMethodName" : "setIamInstanceProfileAssociation",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
@param iamInstanceProfileAssociation Information about the IAM instance profile association.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "<p>Information about the IAM instance profile association.</p>
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "IamInstanceProfileAssociation" : {
    "c2jName" : "IamInstanceProfileAssociation",
    "c2jShape" : "IamInstanceProfileAssociation",
    "deprecated" : false,
    "documentation" : "<p>Information about the IAM instance profile association.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
    @param iamInstanceProfileAssociation Information about the IAM instance profile association.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withIamInstanceProfileAssociation",
    "getterDocumentation" : "/**<p>Information about the IAM instance profile association.</p>
    @return Information about the IAM instance profile association.*/",
    "getterMethodName" : "getIamInstanceProfileAssociation",
    "getterModel" : {
      "returnType" : "IamInstanceProfileAssociation",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"setterDocumentation" : "/**<p>Information about the IAM instance profile association.<p>
@param
@n@param

iamInstanceProfileAssociation Information about the IAM instance profile association."/"",
"setterMethodName" : "setIamInstanceProfileAssociation",
"setterModel" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "",
  "simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IAM instance profile association.<p>
@return

reference to this object so that method calls can be chained together."/"",
"variable" : {
  "variableDeclarationType" : "IamInstanceProfileAssociation",
  "variableName" : "iamInstanceProfileAssociation",
  "variableType" : "IamInstanceProfileAssociation",
  "documentation" : "Information about the IAM instance profile association.<p>
,"simpleType" : "IamInstanceProfileAssociation",
  "variableSetterType" : "IamInstanceProfileAssociation"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ReplaceIamInstanceProfileAssociationResult",
"unmarshaller" : {
  "flattened" : false,
"resultWrapper" : null,
},
"variable" : {
  "variableDeclarationType" : "ReplaceIamInstanceProfileAssociationResult",
  "variableName" : "replaceIamInstanceProfileAssociationResult",
  "variableType" : "ReplaceIamInstanceProfileAssociationResult",
  "documentation" : null,
  "simpleType" : "ReplaceIamInstanceProfileAssociationResult",
  "variableSetterType" : "ReplaceIamInstanceProfileAssociationResult"
},
"wrapper" : false
},
"ReplaceNetworkAclAssociationRequest" : {
  "c2jName" : "ReplaceNetworkAclAssociationRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReplaceNetworkAclAssociation.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ReplaceNetworkAclAssociation",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "AssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>\n    \@param associationId The ID of the current association between the original network ACL and the subnet.\n    \@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "<p>The ID of the current association between the original network ACL and the

subnet.</p>
@<p>return The ID of the current association between the original network ACL and the subnet.*/

getterMethodName" : "getAssociationId",
getterModel" : {
"returnType" : "String",
"documentation" : null
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http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
},
idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
"mapModel" : null,
name" : "AssociationId",
setterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>@<p>param associationId The ID of the current association between the original network ACL and the subnet.</p>@<p>return Returns a reference to this object so that method calls can be chained together.*/

setterMethodName" : "setAssociationId",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
simple" : true,
varargSetterDocumentation" : "/*<p>The ID of the current association between the original network ACL and the subnet.</p>@<p>param associationId The ID of the current network ACL and the subnet.@</p>@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
"variableDeclarationType" : "String",
"variableName" : "associationId",
"variableType" : "String",
"documentation" : "<p>The ID of the current association between the original network ACL and the
subnet.

```json
{
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
,
    
"c2jName": "NetworkAclId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the new network ACL to associate with the subnet.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.\n@return

Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation": "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@return

The ID of the new network ACL to associate with the subnet.*/",
"getterMethodName": "getNetworkAclId",
"getterModel": {
    "returnType": "String",
    "documentation": null
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"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "NetworkAclId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "networkAclId",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkAclId",
"setterDocumentation": "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.*/",
"setterMethodName": "setNetworkAclId",
"setterModel": {
    "variableDeclarationType": "String",
    "variableSetterType": "String"
}
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"variableName": "networkAcId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n* The ID of the new network ACL to associate with the subnet.<p>\n* @param networkAcId The ID of the new network ACL to associate with the subnet.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName": "networkAcId",
    "variableType": "String",
    "documentation": "The ID of the new network ACL to associate with the subnet.\n* param networkAcId The ID of the new network ACL to associate with the subnet.\n* return Returns a reference to this object so that method calls can be chained together.*/",
    "simple": true,
    "varargSetterDocumentation": "/**\n* The ID of the new network ACL to associate with the subnet.<p>\n* @param networkAcId The ID of the new network ACL to associate with the subnet.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableName": "networkAcId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}]
,"membersAsMap": {
    "AssociationId": {
        "c2jName": "AssociationId",
        "c2jShape": "String",
        "deprecated": false,
        "documentation": "The ID of the current association between the original network ACL and the subnet.\n* param associationId The ID of the current association between the original network ACL and the subnet.\n* return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withAssociationId",
        "getterDocumentation": "The ID of the current association between the original network ACL and the subnet.\n* return The ID of the current association between the original network ACL and the subnet.*/",
        "getterMethodName": "getAssociationId",
        "getterModel": {
            "returnType": "String",
            "documentation": null
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        "http": {
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            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null
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    }
}
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"statusCode" : false,
"unmarshallLocationName" : "associationId",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the current association between the original network ACL and the subnet.</p>
@param associationId The ID of the current association between the original network ACL and the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"NetworkAclId" : {
  "c2jName" : "NetworkAclId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the new network ACL to associate with the subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>
@param networkAclId The ID of the new network ACL to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withNetworkAclId",
"getterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>@returns
The ID of the new network ACL to associate with the subnet.*/",
"getterMethodName" : "getNetworkAclId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "NetworkAclId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkAclId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>@param networkAclId The ID of the new network ACL to associate with the subnet.</p>@returns
The ID of the new network ACL to associate with the subnet.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new network ACL to associate with the subnet.</p>@param networkAclId The ID of the new network ACL to associate with the subnet.
@returns
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String"}
"getterDocumentation" : "/**<p>The ID of the new association.</p>
@return The ID of the new association.*/",
"getterMethodName" : "getNewAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NewAssociationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "newAssociationId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NewAssociationId",
"setterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNewAssociationId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "newAssociationId",
"variableType" : "String",
"documentation" : "$",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "newAssociationId",
"variableType" : "String",
"documentation" : "<p>The ID of the new association.</p>",
"simpleType" : "String"
"variableSetterType": "String",
"xmlNameSpaceUri": null
],
"membersAsMap": {
"NewAssociationId": {
"c2jName": "NewAssociationId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the new association.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the new association.</p>
@returns {string} The ID of the new association.
*/
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName": "withNewAssociationId",
"getterDocumentation": "/**<p>The ID of the new association.</p>
@returns The ID of the new association.
*/
@returns The ID of the new association.
",
"getterMethodName": "getNewAssociationId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NewAssociationId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "newAssociationId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NewAssociationId",
"setterDocumentation": "/**<p>The ID of the new association.</p>
@returns {string} The ID of the new association.
*/
@returns The ID of the new association.
",
"setterMethodName": "setNewAssociationId",
"setterModel": {
"variableDeclarationType": "String"
"variableName" : "newAssociationId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "newAssociationId",
"variableType" : "String",
"documentation" : "<p>The ID of the new association.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
)
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReplaceNetworkAclAssociationResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ReplaceNetworkAclAssociationResult",
"variableName" : "replaceNetworkAclAssociationResult",
"variableType" : "ReplaceNetworkAclAssociationResult",
"documentation" : null,
"simpleType" : "ReplaceNetworkAclAssociationResult",
"variableSetterType" : "ReplaceNetworkAclAssociationResult"
},
"wrapper" : false
},
"ReplaceNetworkAclEntryRequest" : {
"c2jName" : "ReplaceNetworkAclEntryRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ReplaceNetworkAclEntry.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "ReplaceNetworkAclEntry",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "NetworkAclId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the ACL.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The ID of the ACL.</p>
@param networkAclId The ID of the ACL.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkAclId",
"getterDocumentation" : "/**
<p>The ID of the ACL.</p>
@return The ID of the ACL.*/",
"getterMethodName" : "getNetworkAclId",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RuleNumber",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ruleNumber",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RuleNumber",
"setterDocumentation": "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber The rule number of the entry to replace.*/",
"setterMethodName": "setRuleNumber",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "ruleNumber",
  "variableType": "Integer",
  "documentation": ":",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber The rule number of the entry to replace.<br>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "ruleNumber",
  "variableType": "Integer",
  "documentation": "<p>The rule number of the entry to replace.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "Protocol",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code/tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code>
(ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

@<p>\n@param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withProtocol",

"getterDocumentation" : "/**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@return The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>

@</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName" : "getProtocol",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Protocol",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "protocol",
  "uri" : false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Protocol",
"setterDocumentation": /**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@<p>@param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>*/
"setterMethodName": "setProtocol",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "protocol",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": /**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
@<p>@param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>*/

return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "protocol",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "documentation": "The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

return Returns a reference to this object so that method calls can be chained together.*/"
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
],
"c2jName" : "RuleAction",
"c2jShape" : "RuleAction",
"deprecated" : false,
"documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
"enumType" : "RuleAction",
"fluentSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>**<p>Returns a reference to this object so that method calls can be chained together.</p>\n@see RuleAction*/",
"fluentSetterMethodName" : "withRuleAction",
"getRuleAction",
"getterMethodName" : "getRuleAction",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RuleAction",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleAction",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>**<p>Returns a reference to this object so that method calls can be chained together.</p>\n@see RuleAction*/"
"setterMethodName" : "setRuleAction",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ruleAction",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "Egress",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to replace the egress rule.
@param egress Indicates whether to replace the egress rule.
@return Returns a reference to this object so that method calls can be chained together.
@see Egress*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether to replace the egress rule.
@param egress Indicates whether to replace the egress rule.
@return Returns a reference to this object so that method calls can be chained together.
@see Egress*/",
  "fluentSetterMethodName" : "withEgress",
  "getterDocumentation" : "/**<p>Indicates whether to replace the egress rule.
@returns Indicates whether to replace the egress rule.
@see Egress*/",
  "getterMethodName" : "getEgress",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "xmlNameSpaceUri" : null
  }
}
**Indicates whether to replace the egress rule.**

- Default: If no value is specified, we replace the ingress rule.

```java
@<param name="egress">
 Indicates whether to replace the egress rule.
</param>
```

**Indicates whether to replace the ingress rule.**

```java
@<return>
 Returns a reference to this object so that method calls can be chained together.
</return>
```

**The IPv4 network range to allow or deny, in CIDR notation (for example**

```java
<code>172.16.0.0/24</code>.
</return>
```
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>.).*/",
"getterMethodName" : "getCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "cidrBlock",
  "variableType": "String",
  "documentation": "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "c2jName": "Ipv6CidrBlock",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withIpv6CidrBlock",
  "getterDocumentation": "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).*/",
  "getterMethodName": "getIpv6CidrBlock",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Ipv6CidrBlock",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ipv6CidrBlock",
    "uri": false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).</p>
@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).</p>
@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"c2jName" : "IcmpTypeCode",
"c2jShape" : "IcmpTypeCode",
"deprecated" : false,
"documentation" : "&lt;p&gt;ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIcmpTypeCode",
"getterDocumentation" : "/*&lt;p&gt;ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying
the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.

**@return ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.**

    "getterMethodName" : "getIcmpTypeCode",
    "getterModel" : {
        "returnType" : "IcmpTypeCode",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Icmp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Icmp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "IcmpTypeCode",
    "setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setIcmpTypeCode",
    "setterModel" : {
        "variableDeclarationType" : "IcmpTypeCode",
        "variableName" : "icmpTypeCode",
        "variableType" : "IcmpTypeCode",
        "documentation" : "",
        "simpleType" : "IcmpTypeCode",
        "variableSetterType" : "IcmpTypeCode"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>@param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.@return Returns a reference to this object so that method calls can be chained together.*/
"
"variable": {
  "variableDeclarationType": "IcmpTypeCode",
  "variableName": "icmpTypeCode",
  "variableType": "IcmpTypeCode",
  "documentation": "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block."",
  "simpleType": "IcmpTypeCode",
  "variableSetterType": "IcmpTypeCode"
},
"xmlNameSpaceUri": null
},
"c2jName": "PortRange",
"c2jShape": "PortRange",
"deprecated": false,
"documentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol."",
"enumType": null,
"fluentSetterDocumentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.

@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.

@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withPortRange",
"getterDocumentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.

@return TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*"",
"getterMethodName": "getPortRange",
"getterModel": {
  "returnType": "PortRange",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PortRange",
  "queryString": null,
  "statusCode": null,
  "unmarshallLocationName": "portRange",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PortRange",
"setterDocumentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*"",
"setterMethodName": "setPortRange",
"setterModel": {
  "variableDeclarationType": "PortRange",
  "variableName": "portRange",
  "variableType": "PortRange",
  "documentation": "",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
},
"simple": false,
"varargSetterDocumentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/",
"variable": {
  "variableDeclarationType": "PortRange",
  "variableName": "portRange",
  "variableType": "PortRange",
  "documentation": "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/",
  "simpleType": "PortRange",
  "variableSetterType": "PortRange"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "CidrBlock": {
    "c2jName": "CidrBlock",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/",
    "enumType": null,
    "fluentSetterDocumentation": "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/
@param cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withCidrBlock",
    "getterDocumentation": "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/
@return The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/
"getterMethodName": "getCidrBlock",
ё
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "CidrBlock",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "cidrBlock",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrBlock",
"setterDocumentation": "/**<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@ parameter cidrBlock The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).*/\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName": "setCidrBlock",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "cidrBlock",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/**\nThe IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).\n@\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "cidrBlock",
    "variableType": "String",
    "documentation": ""<p>The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).</p>"",}
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Egress": {
"c2jName": "Egress",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule.</p>\n@\n\n@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName": "withEgress",
"getterDocumentation": "/**<p>Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule.</p>/n@return Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule."",
"getterMethodName": "getEgress",
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Egress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "egress",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Egress",
"setterDocumentation": "/**<p>Indicates whether to replace the egress rule. Default: If no value is specified, we replace the ingress rule.</p>\n@\n\n@return Returns a reference to this object so that method calls can be chained together."",
"setterMethodName": "setEgress",
"setterModel": {
"returnType": "Boolean",
"documentation": null
}
Default: If no value is specified, we replace the ingress rule.*/

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ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.

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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Icmp",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Icmp",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IcmpTypeCode",
"setterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>\n@icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.*/
param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.*/",
"setterMethodName" : "setIcmpTypeCode",
"setterModel" : {
    "variableDeclarationType" : "IcmpTypeCode",
    "variableName" : "icmpTypeCode",
    "variableType" : "IcmpTypeCode",
    "documentation" : "",
    "simpleType" : "IcmpTypeCode",
    "variableSetterType" : "IcmpTypeCode"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>\n@icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/
param icmpTypeCode ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "IcmpTypeCode",
    "variableName" : "icmpTypeCode",
    "variableType" : "IcmpTypeCode",
    "documentation" : "<p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.</p>"
},
"simpleType" : "IcmpTypeCode",
"variableSetterType" : "IcmpTypeCode"
"xmlNameSpaceUri" : null
,"Ipv6CidrBlock" : {
"c2jName" : "Ipv6CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).",
"enumType" : null,
"fluentSetterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n@return The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n*/",
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n@param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example 
<code>2001:bd8:1234:1a00::/64</code>).\n*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ipv6CidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
  "simple": true,
  "varargSetterDocumentation": " /**<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>). </p>
 * @param ipv6CidrBlock The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>). */\n * @return Returns a reference to this object so that method calls can be chained together. */",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "ipv6CidrBlock",
    "variableType": "String",
    "documentation": "<p>The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).</p>
",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
},
  "NetworkAclId": {
    "c2jName": "NetworkAclId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the ACL.</p>
",
    "enumType": null,
    "fluentSetterDocumentation": " /**<p>The ID of the ACL.</p>
 * @param networkAclId The ID of the ACL.
 * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName": "withNetworkAclId",
    "getterDocumentation": "/**<p>The ID of the ACL.</p>
 * @return The ID of the ACL. */",
    "getterMethodName": "getNetworkAclId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null
    },
"marshallLocationName" : "NetworkAclId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkAclId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkAclId",
"setterDocumentation" : "/**<p>The ID of the ACL.</p>
@param networkAclId The ID of the ACL.*/",
"setterMethodName" : "setNetworkAclId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the ACL.</p>
@param networkAclId The ID of the ACL. */
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkAclId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the ACL.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PortRange" : {
  "c2jName" : "PortRange",
  "c2jShape" : "PortRange",
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol. */
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withPortRange",
  "getterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>
@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if
specifying TCP (6) or UDP (17) for the protocol.

@return TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.*/

getterMethodName" : "getPortRange",
"getterModel" : { 
"returnType" : "PortRange",
"documentation" : null }
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PortRange",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "portRange",
"uri" : false }
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PortRange",
"setterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>*/

@param portRange TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.

@return Returns a reference to this object so that method calls can be chained together.*/

setterMethodName" : "setPortRange",
"setterModel" : { 
"variableDeclarationType" : "PortRange",
"variableName" : "portRange",
"variableType" : "PortRange",
"documentation" : "",
"simpleType" : "PortRange",
"variableSetterType" : "PortRange"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.</p>*/

@returns a reference to this object so that method calls can be chained together.*/

"variable" : { 
"variableDeclarationType" : "PortRange",
"variableName" : "portRange"}
"variableType": "PortRange",
"documentation": "<p>TCP or UDP protocols: The range of ports the rule applies to. Required if specifying
TCP (6) or UDP (17) for the protocol.</p>",
"simpleType": "PortRange",
"variableSetterType": "PortRange"
},
"xmlNameSpaceUri": null
},
"Protocol": {
"c2jName": "Protocol",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all
protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
</p>
"}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all
protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
</p>
@param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all
protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
*/",
"fluentSetterMethodName": "withProtocol",
"getterDocumentation": "/**<p>The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all
protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
</p>
@return Returns a reference
to this object so that method calls can be chained together.*/",
"getterMethodName": "getProtocol",
"getterModel": {
"returnType": "String"}
The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code. 

```java
@<p>param protocol The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code. 

```
any ports or ICMP types or codes you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

@returns Returns a reference to this object so that method calls can be chained together.

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "protocol",
  "variableType" : "String",
  "documentation" : "The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.
  @returns Returns a reference to this object so that method calls can be chained together.*/
  "variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"RuleAction" : {
  "c2jName" : "RuleAction",
  "c2jShape" : "RuleAction",
  "deprecated" : false,
  "documentation" : "Indicates whether to allow or deny the traffic that matches the rule.
  @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
  @returns Returns a reference to this object so that method calls can be chained together.
  @see RuleAction*/",
  "fluentSetterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.
  @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
  @returns Returns a reference to this object so that method calls can be chained together.
  @see RuleAction*/",
  "fluentSetterMethodName" : "withRuleAction",
  "getterDocumentation" : "Indicates whether to allow or deny the traffic that matches the rule.
  @param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
  @returns Returns a reference to this object so that method calls can be chained together.
  @see RuleAction*/",
  "getterMethodName" : "getRuleAction",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RuleAction",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ruleAction",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleAction",
"setterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@see RuleAction*/",
"setterMethodName" : "setRuleAction",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ruleAction",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
",
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to allow or deny the traffic that matches the rule.</p>
@param ruleAction Indicates whether to allow or deny the traffic that matches the rule.
@return Returns a reference to this object so that method calls can be chained together.
@see RuleAction*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ruleAction",
"variableType" : "String",
"documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
",
"xmlNameSpaceUri" : null
}

"RuleNumber" : {
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number of the entry to replace.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber
@see RuleNumber*/",
"RuleNumber" : {
"c2jName" : "RuleNumber",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The rule number of the entry to replace.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The rule number of the entry to replace.</p>
@param ruleNumber
@see RuleNumber*/"}
The rule number of the entry to replace.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withRuleNumber",
"getterDocumentation" : "<p>The rule number of the entry to replace.</p>

return The rule number of the entry to replace.*/",
"getterMethodName" : "getRuleNumber",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "RuleNumber",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ruleNumber",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RuleNumber",
"setterDocumentation" : "<p>The rule number of the entry to replace.</p>

@param ruleNumber The rule number of the entry to replace.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRuleNumber",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "ruleNumber",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The rule number of the entry to replace.</p>

@param ruleNumber The rule number of the entry to replace.

@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "ruleNumber","variableType" : "Integer",
   "documentation" : ""}
"variableName" : "ruleNumber",
"variableType" : "Integer",
"documentation" : "The rule number of the entry to replace.",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"shapeName" : "ReplaceNetworkAclEntryRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ReplaceNetworkAclEntryRequest",
"variableName" : "replaceNetworkAclEntryRequest",
"variableType" : "ReplaceNetworkAclEntryRequest",
"documentation" : null,
"simpleType" : "ReplaceNetworkAclEntryRequest",
"variableSetterType" : "ReplaceNetworkAclEntryRequest"
},
"wrapper" : false
},
"ReplaceNetworkAclEntryResult" : {
"c2jName" : "ReplaceNetworkAclEntryResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReplaceNetworkAclEntryResult",
"unmarshaller" : {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "ReplaceNetworkAclEntryResult",
"variableName": "replaceNetworkAclEntryResult",
"variableType": "ReplaceNetworkAclEntryResult",
"documentation": null,
"simpleType": "ReplaceNetworkAclEntryResult",
"variableSetterType": "ReplaceNetworkAclEntryResult"
},
"wrapper": false
},
"ReplaceRouteRequest": {
"c2jName": "ReplaceRouteRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the parameters for ReplaceRoute.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": {
"action": "ReplaceRoute",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
"c2jName": "RouteTableId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the route table.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the route table.</p>
@routeTableId The ID of the route table.
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withRouteTableId",
"getterDocumentation": "/**<p>The ID of the route table.</p>
@routeTableId The ID of the route table.*/",
"getterMethodName": "getRouteTableId",
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.</p>*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the route table.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/
@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"getterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
@return The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DestinationCidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "destinationCidrBlock",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/
@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
    "variableDeclarationType" : "String",
}
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
@returns A reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : "/p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "GatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "/p>The ID of an Internet gateway or virtual private gateway.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway.
@returns A reference to this object so that method calls can be chained together.
*/",
"fluentSetterDocumentation" : "/**
<p>The ID of an Internet gateway or virtual private gateway.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway.
@returns A reference to this object so that method calls can be chained together.
*/",
"marshallingMethodName" : "withGatewayId",
"getterDocumentation" : "/**
<p>The ID of an Internet gateway or virtual private gateway.</p>
@returns The ID of an Internet gateway or virtual private gateway.
*/",
"getterMethodName" : "getGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GatewayId"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "gatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GatewayId",
"setterDocumentation" : "/**\n<p>The ID of an Internet gateway or virtual private gateway.</p>
@param gatewayId The ID of an Internet gateway or virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "gatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of an Internet gateway or virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "gatewayId",
"variableType" : "String",
"documentation" : "\n<p>The ID of an Internet gateway or virtual private gateway.\n</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jShape" : "String",
"destinationIpv6CidrBlock" : "String",
"destinationCidrBlock" : "String",
"destinationIpv6CidrBlock" : null,
"documentation" : "\n<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodType" : "withDestinationIpv6CidrBlock",
"getterDocumentation" : "/**\n<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.\n@return Returns a reference to this object so that method calls can be chained together.*/
"getterMethodName" : "getDestinationIpv6CidrBlock",
"getterMethodType" : "withDestinationIpv6CidrBlock"
provide must match the CIDR of an existing route in the table. 

```java
@Retention(RetentionPolicy.RUNTIME)
@Documented
public @interface DestinationIpv6CidrBlock {
    @ overclock
    String value();
    }
```

**getterMethodName**: "getDestinationIpv6CidrBlock",

**getterModel** : {
"returnType" : "String",
"documentation" : null
},

**http** : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationIpv6CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationIpv6CidrBlock",
"uri" : false
},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "DestinationIpv6CidrBlock",

**setterDocumentation** : /**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/

```
@Retention(RetentionPolicy.RUNTIME)
@Documented
public @interface DestinationIpv6CidrBlock {
    @ overclock
    String value();
    }
```

**setterMethodAnnotation** : "setDestinationIpv6CidrBlock",

**setterModel** : {
"variableDeclarationType" : "String",
"variableName" : "destinationIpv6CidrBlock",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,

**varargSetterDocumentation** : /**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.@return Returns a reference to this object so that method calls can be chained together.*/

```
@Retention(RetentionPolicy.RUNTIME)
@Documented
public @interface DestinationIpv6CidrBlock {
    @ overclock
    String value();
    }
```
"variableName" : "destinationIpv6CidrBlock",
"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@returns{EgressOnlyInternetGatewayId} The ID of an egress-only Internet gateway.
\*/",
  "getterDocumentation" : "/**\n@returns{EgressOnlyInternetGatewayId} The ID of an egress-only Internet gateway.
\*/",
  "getMethodName" : "getEgressOnlyInternetGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EgressOnlyInternetGatewayId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "egressOnlyInternetGatewayId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "EgressOnlyInternetGatewayId",
  "setterDocumentation" : "/**\n@returns{EgressOnlyInternetGatewayId} The ID of an egress-only Internet gateway.
\*/"
"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>
@param egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
}

"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
@return The ID of a NAT instance in your VPC."",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.
\n@param instanceId The ID of a NAT instance in your VPC.*/
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.
\n@param instanceId The ID of a NAT instance in your VPC.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withNetworkInterfaceId",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
],

"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a network interface.</p>\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of a network interface.</p>\n\n@returns The ID of a network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"unmarshallLocationName" : "instanceId"}
"getterModel" : {
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  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of a network interface.</p>
@param networkInterfaceId The ID of a network interface.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a network interface.</p>\n@param networkInterfaceId The ID of a network interface.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"}
"xmlNameSpaceUri" : null,
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The ID of a VPC peering connection.
 */
 @param vpcPeeringConnectionId The ID of a VPC peering connection.
 @return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**
 * The ID of a VPC peering connection.
 */
 @return The ID of a VPC peering connection.*"",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "vpcPeeringConnectionId",
 "uri" : false
},
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**
 * The ID of a VPC peering connection.
 */
 @param vpcPeeringConnectionId The ID of a VPC peering connection.
 @return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "vpcPeeringConnectionId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\nThe ID of a VPC peering connection.\n\n@param
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  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of a VPC peering connection.</p>
  @param
  vpcPeeringConnectionId The ID of a VPC peering connection.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NatGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
  @param
  natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNatGatewayId",
  "getterDocumentation" : "/**\n\n[IPv4 traffic only] The ID of a NAT gateway.
\n@return [IPv4 traffic only] The ID of a NAT gateway.*/",
  "getterMethodName" : "getNatGatewayId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NatGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "natGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId
[IPv4 traffic only] The ID of a NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>
@param natGatewayId
[IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>

"simple" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"DestinationCidrBlock" : {
  "c2jName" : "DestinationCidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>

"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>

"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
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{
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "DestinationCidrBlock",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "destinationCidrBlock",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DestinationCidrBlock",
"setterDocumentation": "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/

@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setDestinationCidrBlock",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "destinationCidrBlock",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/

@param destinationCidrBlock The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "destinationCidrBlock",
  "variableType": "String",
  "documentation": "<p>The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DestinationIpv6CidrBlock" : {
  "c2jName" : "DestinationIpv6CidrBlock",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/
  @param destinationIpv6CidrBlock
  The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.
  @return Returns a reference to this object so that method calls can be chained together./**",
  "fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
  "getterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.</p>*/
  @param The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.@return
  The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.@*/
  
  "getterMethodName" : "getDestinationIpv6CidrBlock",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "DestinationIpv6CidrBlock",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "destinationIpv6CidrBlock",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "DestinationIpv6CidrBlock",
  "setterDocumentation" : "/**<p>The IPv6 CIDR address block used for the destination match. The value you
provide must match the CIDR of an existing route in the table.

```java
@param destinationIpv6CidrBlock The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table.

```
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EgressOnlyInternetGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "egressOnlyInternetGatewayId",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EgressOnlyInternetGatewayId",
"setterDocumentation" : /**<p>
[IPv6 traffic only] The ID of an egress-only Internet gateway.
</p>*/
@n@param
egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet gateway.

"setterMethodName" : "setEgressOnlyInternetGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>[IPv6 traffic only] The ID of an egress-only Internet

gateway.
</p>*/
@n@param
egressOnlyInternetGatewayId [IPv6 traffic only] The ID of an egress-only Internet
gateway.

@n@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "egressOnlyInternetGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet
gateway.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GatewayId" : {
  "c2jName" : "GatewayId",
  "c2jShape" : "String",
  "deprecated" : false,
The ID of an Internet gateway or virtual private gateway.

@returns A reference to this object so that method calls can be chained together.

In the constructor:

public GatewayId(String gatewayId) {
    // implementation
}

The class methods

public GatewayId withGatewayId(String gatewayId) {
    this.gatewayId = gatewayId;
    return this;
}

public String getGatewayId() {
    return gatewayId;
}

public void setGatewayId(String gatewayId) {
    this.gatewayId = gatewayId;
}

The documentation of the model

**GatewayId**

- **gatewayId** (String)
  - The ID of an Internet gateway or virtual private gateway.
  - **Required**: true
  - **Type**: string
  - **Location**: Query
  - **Marshalling**: optional
  - **Unmarshalling**: optional

Idempotent: false

List: false

Map: false

Simple: true

Vararg: false

Additional Marshalling: false

Additional Unmarshalling: false

Flattened: false

Greedy: false

Header: false

Is payload: false

Is streaming: false

Location: Query

Marshall Location Name: gatewayId

QueryString: false

StatusCode: false

Unmarshall Location Name: gatewayId

Uri: false

Vararg Setter Documentation:

**GatewayId**

- **gatewayId** (String)
  - The ID of an Internet gateway or virtual private gateway.
  - **Required**: true
  - **Type**: string

Idempotent Token: false

List Model: false

Map Model: false

Simple Type: String

Variable Setter Type: String

Vararg: false

Additional Marshalling: false

Additional Unmarshalling: false

Flattened: false

Greedy: false

Header: false

Is payload: false

Is streaming: false

Location: Query

Marshall Location Name: gatewayId

QueryString: false

StatusCode: false

Unmarshall Location Name: gatewayId

Uri: false

Vararg Setter Documentation:

**GatewayId**

- **gatewayId** (String)
  - The ID of an Internet gateway or virtual private gateway.
  - **Required**: true
  - **Type**: string
reference to this object so that method calls can be chained together.*"*/,
    "variable" : {
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        "variableType" : "String",
        "documentation" : "<p>The ID of an Internet gateway or virtual private gateway.</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
"InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
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    "documentation" : "<p>The ID of a NAT instance in your VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
     @param instanceId The ID of a NAT instance in your VPC.
     @return Returns a reference to this object so that method calls can be chained together.*"*/,
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
     @return The ID of a NAT instance in your VPC.*"*/,
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    "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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        "statusCode" : false,
        "unmarshallLocationName" : "instanceId",
        "uri" : false
    },
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    "map" : false,
    "mapModel" : null,
    "tagSet" : {
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        "documentation" : "<p>The ID of a NAT instance in your VPC.</p>
     @return The ID of a NAT instance in your VPC.*"*/,
        "getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
     @return The ID of a NAT instance in your VPC.*"*/,
        "getterMethodName" : "getInstanceId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
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            "location" : null,
            "marshallLocationName" : "InstanceId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "instanceId",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "tagSet" : {
            "AdditionalLocationName" : "InstanceId",
            "documentation" : "<p>The ID of a NAT instance in your VPC.</p>
     @return The ID of a NAT instance in your VPC.*"*/,
            "getterDocumentation" : "/**<p>The ID of a NAT instance in your VPC.</p>
     @return The ID of a NAT instance in your VPC.*"*/,
            "getterMethodName" : "getInstanceId",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocationName" : "InstanceId",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "instanceId",
                "uri" : false
            },
            "idempotencyToken" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
"name": "InstanceId",
"setterDocumentation": "/**<p>The ID of a NAT instance in your VPC.</p>*/
@param instanceId The ID of a NAT instance in your VPC. */",
"setterMethodName": "setInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of a NAT instance in your VPC.</p>*/
@param instanceId The ID of a NAT instance in your VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceId",
  "variableType": "String",
  "documentation": "<p>The ID of a NAT instance in your VPC.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"NatGatewayId": {
  "c2jName": "NatGatewayId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>*/
@param natGatewayId [IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withNatGatewayId",
  "getterDocumentation": "/**<p>[IPv4 traffic only] The ID of a NAT gateway.</p>*/
@return [IPv4 traffic only] The ID of a NAT gateway. */",
  "getterMethodName": "getNatGatewayId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NatGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "natGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NatGatewayId",
"setterDocumentation" : "/**\[IPv4 traffic only\] The ID of a NAT gateway.*/
@param natGatewayId
[IPv4 traffic only] The ID of a NAT gateway.*/",
"setterMethodName" : "setNatGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**\[IPv4 traffic only\] The ID of a NAT gateway.*/
@param
natGatewayId
[IPv4 traffic only] The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "natGatewayId",
  "variableType" : "String",
  "documentation" : "<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"NetworkInterfaceId" : {
  "c2jName" : "NetworkInterfaceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of a network interface.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\p>The ID of a network interface.*/
@param networkInterfaceId
The ID of a network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>[IPv4 traffic only] The ID of a network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
 },
ID of a network interface.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of a network interface.</p>@returns The ID of a network interface.</*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of a network interface.</p>@param networkInterfaceId The ID of a network interface.</*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of a network interface.</p>@param networkInterfaceId The ID of a network interface.</p>@return Returns a reference to this object so that method calls can be chained together.</*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableType" : "String",
  "variableSetterType" : "String"}
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"variableType" : "String",
"documentation" : "<p>The ID of a network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RouteTableId" : {
"c2jName" : "RouteTableId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : 

"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcPeeringConnectionId" : {
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of a VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of a VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of a VPC peering connection.</p>
@return The ID of a VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode": false,
"unmarshallLocationName": "vpcPeeringConnectionId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpcPeeringConnectionId",
"setterDocumentation": /**
 * The ID of a VPC peering connection.
 */

The ID of a VPC peering connection.

"setterMethodName": "setVpcPeeringConnectionId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "vpcPeeringConnectionId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": /**
 * The ID of a VPC peering connection.
 */

returns Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "String",
  "variableName": "vpcPeeringConnectionId",
  "variableType": "String",
  "documentation": "<p>The ID of a VPC peering connection.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["RouteTableId"],
"shapeName": "ReplaceRouteRequest",
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ReplaceRouteRequest",
  "variableName": "replaceRouteRequest",
  "variableType": "ReplaceRouteRequest",
  "documentation": null,
  "simpleType": "ReplaceRouteRequest",
  "variableSetterType": "ReplaceRouteRequest"
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"documentation" : "<p>Contains the parameters for ReplaceRouteTableAssociation.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "ReplaceRouteTableAssociation",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "c2jName" : "AssociationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The association ID.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The association ID.</p>
@param associationId The association ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAssociationId",
  "getterDocumentation" : "/**<p>The association ID.</p>
@return The association ID.*/",
  "getterMethodName" : "getAssociationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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  "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssociationId",
"setterDocumentation": "/**<p>The association ID.</p>
@param associationId The association ID.*/",
"setterMethodName": "setAssociationId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "associationId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The association ID.</p>
@param associationId The association ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "associationId",
  "variableType": "String",
  "documentation": "<p>The association ID.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "RouteTableId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the new route table to associate with the subnet.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
@param routeTableId The ID of the new route table to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withRouteTableId",
"getterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
@return The ID of the new route table to associate with the subnet.*/",
"getterMethodName": "getRouteTableId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RouteTableId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "routeTableId",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RouteTableId",
"setterDocumentation": "/**\n<p>The ID of the new route table to associate with the subnet.</p>\n@param routeTableId The ID of the new route table to associate with the subnet.*/",
"setterMethodName": "setRouteTableId",
"setterModel": {
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  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>The ID of the new route table to associate with the subnet.</p>\n@param routeTableId The ID of the new route table to associate with the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "routeTableId",
  "variableType": "String",
  "documentation": "The ID of the new route table to associate with the subnet.\"",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"membersAsMap": {
  "AssociationId": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "The association ID.
"enumType": null,
"fluentSetterDocumentation" : "/**<p>The association ID.</p><p>@param associationId The association ID</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withAssociationId",
"getterDocumentation" : "/**<p>The association ID.</p><p>@return The association ID.</p>*/",
"getterMethodName" : "getAssociationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additional UnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "associationId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociationId",
"setterDocumentation" : "/**<p>The association ID.</p><p>@param associationId The association ID</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The association ID.</p><p>@param associationId The association ID</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : null
}
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"RouteTableId": {
  "c2jName": "RouteTableId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the new route table to associate with the subnet.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
@param routeTableId The ID of the new route table to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withRouteTableId",
  "getterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
\n@return The ID of the new route table to associate with the subnet.*/",
  "getterMethodName": "getRouteTableId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "RouteTableId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "routeTableId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "RouteTableId",
  "setterDocumentation": "/**<p>The ID of the new route table to associate with the subnet.</p>
\n@param routeTableId The ID of the new route table to associate with the subnet.*/",
  "setterMethodName": "setRouteTableId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
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"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new route table to associate with the subnet.</p>
@param routeTableId The ID of the new route table to associate with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the new route table to associate with the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "AssociationId", "RouteTableId" ],
"shapeName" : "ReplaceRouteTableAssociationRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ReplaceRouteTableAssociationRequest",
"variableName" : "replaceRouteTableAssociationRequest",
"variableType" : "ReplaceRouteTableAssociationRequest",
"documentation" : null,
"simpleType" : "ReplaceRouteTableAssociationRequest",
"variableSetterType" : "ReplaceRouteTableAssociationRequest"
},
"wrapper" : false
},
"ReplaceRouteTableAssociationResult" : {
"c2jName" : "ReplaceRouteTableAssociationResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of ReplaceRouteTableAssociation.</p>",
"enums" : null,
"errorCode" : null,
"errorType" : null}
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "NewAssociationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the new association.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNewAssociationId",
  "getterDocumentation" : "/**<p>The ID of the new association.</p>
@return The ID of the new association.
*/",
  "getterMethodName" : "getNewAssociationId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "NewAssociationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "newAssociationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "NewAssociationId",
  "setterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
*/",
  "setterMethodName" : "setNewAssociationId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "newAssociationId",
"idempotencyToken" : false,
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "newAssociationId",
"variableType" : "String",
"documentation" : "<p>The ID of the new association.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"NewAssociationId" : {
"c2jName" : "NewAssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the new association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNewAssociationId",
"getterDocumentation" : "/**<p>The ID of the new association.</p>
@return The ID of the new association.*/",
"getterMethodName" : "getNewAssociationId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "newAssociationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NewAssociationId",
"setterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.*/",
"setterMethodName" : "setNewAssociationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "newAssociationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the new association.</p>
@param newAssociationId The ID of the new association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "newAssociationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the new association.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReplaceRouteTableAssociationResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReplaceRouteTableAssociationResult",
  "variableName" : "replaceRouteTableAssociationResult",
  "variableType" : "ReplaceRouteTableAssociationResult",
  "documentation" : null
}
"simpleType" : "ReplaceRouteTableAssociationResult",
"variableSetterType" : "ReplaceRouteTableAssociationResult"
},
"wrapper" : false
},
"ReportInstanceReasonCodes" : {
"c2jName" : "ReportInstanceReasonCodes",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "InstanceStuckInState",
  "value" : "instance-stuck-in-state"
}, {
  "name" : "Unresponsive",
  "value" : "unresponsive"
}, {
  "name" : "NotAcceptingCredentials",
  "value" : "not-accepting-credentials"
}, {
  "name" : "PasswordNotAvailable",
  "value" : "password-not-available"
}, {
  "name" : "PerformanceNetwork",
  "value" : "performance-network"
}, {
  "name" : "PerformanceInstanceStore",
  "value" : "performance-instance-store"
}, {
  "name" : "PerformanceEbsVolume",
  "value" : "performance-ebs-volume"
}, {
  "name" : "PerformanceOther",
  "value" : "performance-other"
}, {
  "name" : "Other",
  "value" : "other"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReportInstanceReasonCodes",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReportInstanceReasonCodes",
  "variableName" : "reportInstanceReasonCodes",
  "variableType" : "ReportInstanceReasonCodes",
  "documentation" : null,
  "simpleType" : "ReportInstanceReasonCodes",
  "variableSetterType" : "ReportInstanceReasonCodes"
},
"wrapper" : false
},
"ReportInstanceStatusRequest" : {
  "c2jName" : "ReportInstanceStatusRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReportInstanceStatus.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "ReportInstanceStatus",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "Instances",
    "c2jShape" : "InstanceIdStringList"}]
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
}

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}

"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}

"xmlNameSpaceUri": null
}

"memberLocationName": "InstanceId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instances",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use{@link #setInstances(java.util.Collection)} or {@link #withInstances(java.util.Collection)} if you want to override the existing values.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instances",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more instances.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "ReportStatusType",
"deprecated" : false,
"documentation" : "<p>The status of all instances listed.</p>
  "enumType" : "ReportStatusType",
  "fluentSetterDocumentation" : "/*<p>The status of all instances listed.</p>
  @see ReportStatusType*/",
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : "/*<p>The status of all instances listed.</p>
  @see ReportStatusType*/",
  "getterMethodName" : "getStatus",
  "getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of all instances listed.</p>
@param status The status of all
instances listed.@see ReportStatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of all instances listed.</p>
@param status The status of all
instances listed.@see ReportStatusType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status of all instances listed.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"c2jName": "StartTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time at which the reported instance health state began.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName": "withStartTime",
"getterDocumentation": "/**<p>The time at which the reported instance health state began.</p>
@return The time at which the reported instance health state began.
*/",
"getterMethodName": "getStartTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StartTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "startTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StartTime",
"setterDocumentation": "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
*/",
"setterMethodName": "setStartTime",
"setterModel": {
"variableDeclarationType": "java.util.Date",
"variableName": "startTime",
"variableType": "java.util.Date",
"documentation": "",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
**The time at which the reported instance health state began.**

```java
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.
```

```java
variable {
  variableDeclarationType : "java.util.Date",
  variableName : "startTime",
  variableType : "java.util.Date",
  documentation : "The time at which the reported instance health state began.

``` java
xmlNameSpaceUri : null
```

**The time at which the reported instance health state ended.**

```java
@Param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.
```

```java
fluentsetter {
  fluentSetterMethodName : "withEndTime",
  getterDocumentation : "The time at which the reported instance health state ended.

``` java
getter {
  getterMethodName : "getEndTime",
  getterModel : {
    returnType : "java.util.Date",
    documentation : null
```

**The time at which the reported instance health state ended.**

```java
@Param endTime The time at which the reported instance health state ended.
@return The time at which the reported instance health state ended.
```

```java
getter {
  getterMethodName : "getEndTime",
  getterModel : {
    returnType : "java.util.Date",
    documentation : null
```

**Additional Marshalling Path**

```java
additionalMarshallingPath : null,
```

**Additional Unmarshalling Path**

```java
additionalUnmarshallingPath : null,
```

**Flattened**

```java
flattened : false,
```

**Greedy**

```java
greedy : false,
```

**Header**

```java
header : false,
```

**Is Payload**

```java
isPayload : false,
```

**Is Streaming**

```java
isStreaming : false,
```

**Location**

```java
location : null,
```

**Marshalling Location Name**

```java
marshallLocationName : "EndTime",
```

**QueryString**

```java
queryString : false,
```

**Status Code**

```java
statusCode : false,
```

**Unmarshalling Location Name**

```java
unmarshallLocationName : "endTime",
```

**Uri**

```java
uri : false
```

**Idempotency Token**

```java
idempotencyToken : false,
```

**List**

```java
list : false
```
"listModel": null,
"map": false,
"mapModel": null,
"name": "EndTime",
"setterDocumentation": "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.*/",
"setterMethodName": "setEndTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "endTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "endTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time at which the reported instance health state ended.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"c2jName": "ReasonCodes",
"c2jShape": "ReasonCodesList",
"deprecated": false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReasonCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reasonCode",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
 "c2jName" : "member",
"c2jShape" : "ReportInstanceReasonCodes",
"deprecated" : false,
"documentation" : ":",
"enumType" : "ReportInstanceReasonCodes",
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.\n@see ReportInstanceReasonCodes*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@see ReportInstanceReasonCodes*/",
"getterMethodName" : "getMember",
"getterModel" : {
 "returnType" : "String",
"documentation" : null
}
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Item",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "item",
 "uri" : false
### Member

**setterDocumentation**

```/**
@param member  
@see ReportInstanceReasonCodes*/```

**setterMethodName**

```
setMember```

**setterModel**

```{
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}```

**simple**

```
true```

**varargSetterDocumentation**

```/**
@param member  
@return Returns a reference to this object so that method calls can be chained together. @see ReportInstanceReasonCodes*/```

**variable**

```{
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}```

**xmlNameSpaceUri**

```
null```

### ReasonCodes

**setterDocumentation**

```<p>One or more reason codes that describes the health state of your instance.</p>  
<ul>
  <li><p><code>instance-stuck-in-state</code>: My instance is stuck in a state.</p></li>
  <li><p><code>unresponsive</code>: My instance is unresponsive.</p></li>
  <li><p><code>not-accepting-```
credentials</code>: My instance is not accepting my credentials. 

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are network related.

- My instance is experiencing performance problems which I believe are related to the instance stores.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to the instance store.

- My instance is experiencing performance problems which I believe are related to the instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to the instance store.

- My instance is experiencing performance problems which I believe are related to the instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to the instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

- A password is not available for my instance.

- My instance is experiencing performance problems which I believe are related to an EBS volume.

- My instance is experiencing performance problems which I believe are related to an instance store.

- My instance is experiencing performance problems which I believe are related to an instance store.

@see ReportInstanceReasonCodes*/

"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "reasonCodes",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more reason codes that describes the health state of your instance.";
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Descriptive text about the health state of your instance.";
  },
  "enumType" : null,
  "fluentSetterDocumentation" : "Descriptive text about the health state of your instance.
  @param description Descriptive text about the health state of your instance.
  @return Returns a reference to this object so that method calls can be chained together.";
  
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "Descriptive text about the health state of your instance.
  @return Descriptive text about the health state of your instance.";
  
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "additionalUnmarshaller": null,
    "additionalMarshaller": null,
    "flattened": false,
    "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@param description Descriptive text about the health state of your instance.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@param description Descriptive text about the health state of your instance.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>Descriptive text about the health state of your instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "Description" : {
    "c2jName" : "Description",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Descriptive text about the health state of your instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@param description Descriptive text about the health state of your instance.*/",
    "getterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@returns {String} The value of the health state of your instance.*/",
    "getterMethodName" : "getDescription",
    "getterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "description",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Description",
    "setterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@param description Descriptive text about the health state of your instance.*/",
    "setterMethodName" : "setDescription",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "description",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>
@param description Descriptive text about the health state of your instance.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "description",
      "variableType" : "String",
      "documentation" : "<p>Descriptive text about the health state of your instance.</p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}
description Descriptive text about the health state of your instance.\n@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>\n@param description Descriptive text about the health state of your instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"setName" : "description",
"variableName" : "description",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Descriptive text about the health state of your instance.</p>\n@param description Descriptive text about the health state of your instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>Descriptive text about the health state of your instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EndTime" : {
"c2jName" : "EndTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time at which the reported instance health state ended.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEndTime",
"getterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>
@return The time at which the reported instance health state ended.*/",
"getterMethodName" : "getEndTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EndTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "endTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EndTime",
"setterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"setterMethodName" : "setEndTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "endTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time at which the reported instance health state ended.</p>
@param endTime The time at which the reported instance health state ended.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "endTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time at which the reported instance health state ended.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"Instances" : {
  "c2jName" : "Instances",
  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instances.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getInstances",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns\n*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member \n*/",
    "setterMethodName" : "setMember",
  }
}
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
    "simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.</p>*/",
"setterMethodName" : "setInstances",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "instances",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instances.</p><b>NOTE:</b> This method
appends the values to the existing list (if any). Use {@link #setInstances(java.util.Collection)} or {@link #withInstances(java.util.Collection)} if you want to override the existing values.</p>

@returns Returns a reference to this object so that method calls can be chained together.

*/

/**
 * One or more instances.
 * @param instances One or more instances.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instances",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more instances.</p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"ReasonCodes" : {
  "c2jName" : "ReasonCodes",
  "c2jShape" : "ReasonCodesList",
  "deprecated" : false,
  "documentation" : "<p>One or more reason codes that describes the health state of your instance.</p>
  "ul"
  "li" <p> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</p>
  "li" <p> <code>unresponsive</code>: My instance is unresponsive.</p>
  "li" <p> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p>
  "li" <p> <code>password-not-available</code>: A password is not available for my instance.</p>
  "li" <p> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p>
  "li" <p> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p>
  "li" <p> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p>
  "li" <p> <code>performance-other</code>: My instance is experiencing performance problems.</p>
  "li" <p> <code>other</code>: [explain using the description parameter]</p>
},
"enumType" : "ReportInstanceReasonCodes",
"fluentSetterDocumentation" : "/**
 * One or more reason codes that describes the health state of your instance.
 * @param reasonCodes One or more reason codes that describes the health state of your instance.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```
"list" : true,
"listModel" : { 
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : { 
    "c2jName" : "member",
    "c2jShape" : "ReportInstanceReasonCodes",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "ReportInstanceReasonCodes",
    "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together
   * @see ReportInstanceReasonCodes*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
   * @return
   * @see ReportInstanceReasonCodes*/",
    "getterMethodName" : "getMember",
    "getterModel" : { 
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : false,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together
   * @see ReportInstanceReasonCodes*/",
    "setterMethodName" : "setMember",
    "setterModel" : { 
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      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String" 
    }
  }
}
"variableSetterType": "String",
}
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.\n@see ReportInstanceReasonCodes*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"name": "ReasonCodes",
"setterDocumentation": "/**\nOne or more reason codes that describes the health state of your instance.</p><ul>
<li><p>\<code>instance-stuck-in-state</code>: My instance is stuck in a state.</p><li>
<li><p>\<code>unresponsive</code>: My instance is unresponsive.</p><li>
<li><p>\<code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p><li>
<li><p>\<code>password-not-available</code>: A password is not available for my instance.</p><li>
<li><p>\<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p><li>
<li><p>\<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p><li>
<li><p>\<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p><li>
<li><p>\<code>performance-other</code>: My instance is experiencing performance problems which I believe are related to other factors.</p><li>
<li><p>\[explain using the description parameter]\</p><li>
</ul>\n@param reasonCodes One or more reason codes that describes the health state of your instance.</p><ul>
<li><p>\<code>instance-stuck-in-state</code>: My instance is stuck in a state.</p><li>
<li><p>\<code>unresponsive</code>: My instance is unresponsive.</p><li>
<li><p>\<code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p><li>
<li><p>\<code>password-not-available</code>: A password is not available for my instance.</p><li>
<li><p>\<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p><li>
<li><p>\<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p><li>
<li><p>\<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p><li>
<li><p>\<code>performance-other</code>: My instance is experiencing performance problems which I believe are related to other factors.</p><li>
<li><p>\[explain using the description parameter]\</p><li>
</ul>\n@param reasonCodes One or more reason codes that describes the health state of your instance.</p><ul>
<li><p>\<code>instance-stuck-in-state</code>: My instance is stuck in a state.</p><li>
<li><p>\<code>unresponsive</code>: My instance is unresponsive.</p><li>
<li><p>\<code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p><li>
<li><p>\<code>password-not-available</code>: A password is not available for my instance.</p><li>
<li><p>\<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p><li>
<li><p>\<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p><li>
<li><p>\<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p><li>
<li><p>\<code>performance-other</code>: My instance is experiencing performance problems which I believe are related to other factors.</p><li>
<li><p>\[explain using the description parameter]\</p><li>
</ul>\n@param reasonCodes One or more reason codes that describes the health state of your instance.</p><ul>
<li><p>\<code>instance-stuck-in-state</code>: My instance is stuck in a state.</p><li>
<li><p>\<code>unresponsive</code>: My instance is unresponsive.</p><li>
<li><p>\<code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p><li>
<li><p>\<code>password-not-available</code>: A password is not available for my instance.</p><li>
<li><p>\<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p><li>
<li><p>\<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</p><li>
<li><p>\<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</p><li>
<li><p>\<code>performance-other</code>: My instance is experiencing performance problems which I believe are related to other factors.</p><li>
<li><p>\[explain using the description parameter]\</p><li>
</ul>\n@param reasonCodes One or more reason codes that describes the health state of your instance.</p><ul>
<li><p>\<code>instance-stuck-in-state</code>: My instance is stuck in a state.</p><li>
<li><p>\<code>unresponsive</code>: My instance is unresponsive.</p><li>
<li><p>\<code>not-accepting-credentials</code>: My instance is not accepting my credentials.</p><li>
<li><p>\<code>password-not-available</code>: A password is not available for my instance.</p><li>
<li><p>\<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</p><li>
<li><p>\<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.
<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume. 

<code>performance-other</code>: My instance is experiencing performance problems.

<code>unresponsive</code>: My instance is unresponsive.

<code>not-accepting-credentials</code>: My instance is not accepting my credentials.

<code>password-not-available</code>: A password is not available for my instance.

<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.

<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.

<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.

<code>performance-other</code>: My instance is experiencing performance problems.

<code>instance-stuck-in-state</code>: My instance is stuck in a state.

<code>unresponsive</code>: My instance is unresponsive.

<code>not-accepting-credentials</code>: My instance is not accepting my credentials.

<code>password-not-available</code>: A password is not available for my instance.

<code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.

<code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.

<code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.

<code>performance-other</code>: My instance is experiencing performance problems.

<code>instance-stuck-in-state</code>: My instance is stuck in a state.

<code>unresponsive</code>: My instance is unresponsive.

<code>not-accepting-credentials</code>: My instance is not accepting my credentials.

<code>password-not-available</code>: A password is not available for my instance.
network</code>: My instance is experiencing performance problems which I believe are network related.<p> <li> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li> <li> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li> <li> <code>performance-other</code>: My instance is experiencing performance problems.</li> <li> <code>other</code>: [explain using the description parameter]</li> </ul>
"name": "StartTime",
"setterDocumentation": "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.*/",
"setterMethodName": "setStartTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "startTime",
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  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time at which the reported instance health state began.</p>
@param startTime The time at which the reported instance health state began.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "startTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time at which the reported instance health state began.</p>
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
",
"Status": {
  "c2jName": "Status",
  "c2jShape": "ReportStatusType",
  "deprecated": false,
  "documentation": "<p>The status of all instances listed.</p>
  "enumType": "ReportStatusType",
  "fluentSetterDocumentation": "/**<p>The status of all instances listed.</p>
  @param status The status of all instances listed.
  @return Returns a reference to this object so that method calls can be chained together.
  @see ReportStatusType*/",
  "fluentSetterMethodName": "withStatus",
  "getterDocumentation": "/**<p>The status of all instances listed.</p>
  @param status The status of all instances listed.
  @return The status of all instances listed.
  @see ReportStatusType*/",
  "getterMethodName": "getStatus",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n* The status of all instances listed.\n* @param status The status of all
instances listed.\n* @see ReportStatusType*/",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The status of all instances listed.\n* @param status The status of all
instances listed.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see ReportStatusType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status of all instances listed.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Instances", "Status", "ReasonCodes" ],
"shapeName" : "ReportInstanceStatusRequest",
"unmarshaller" : null,
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"variableName" : "status",
"variableType" : "String",
"documentation" : "<p>The status of all instances listed.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"variableDeclarationType" : "ReportInstanceStatusRequest",
"variableName" : "reportInstanceStatusRequest",
"variableType" : "ReportInstanceStatusRequest",
"documentation" : null,
"simpleType" : "ReportInstanceStatusResult",
"variableSetterType" : "ReportInstanceStatusResult"
},
"wrapper" : false
},
"ReportInstanceStatusResult" : {
"c2jName" : "ReportInstanceStatusResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReportInstanceStatusResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReportInstanceStatusResult",
  "variableName" : "reportInstanceStatusResult",
  "variableType" : "ReportInstanceStatusResult",
  "documentation" : null,
  "simpleType" : "ReportInstanceStatusResult",
  "variableSetterType" : "ReportInstanceStatusResult"
},
"wrapper" : false
},
"ReportStatusType" : {
"c2jName" : "ReportStatusType",}
"customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
    "name" : "Ok",
    "value" : "ok"
  }, {
    "name" : "Impaired",
    "value" : "impaired"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReportStatusType",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ReportStatusType",
    "variableName" : "reportStatusType",
    "variableType" : "ReportStatusType",
    "documentation" : null,
    "simpleType" : "ReportStatusType",
    "variableSetterType" : "ReportStatusType"
},
"wrapper" : false
},
"RequestSpotFleetRequest" : {
    "c2jName" : "RequestSpotFleetRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ {
        "name" : "Ok",
        "value" : "ok"
    }, {
        "name" : "Impaired",
        "value" : "impaired"
    } ],
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "RequestSpotFleetRequest",
    "unmarshaller" : {
        "flattened" : false,
        "resultWrapper" : null
    },
    "variable" : {
        "variableDeclarationType" : "RequestSpotFleetRequest",
        "variableName" : "requestSpotFleetRequest",
        "variableType" : "RequestSpotFleetRequest",
        "documentation" : null,
        "simpleType" : "RequestSpotFleetRequest",
        "variableSetterType" : "RequestSpotFleetRequest"
    },
    "wrapper" : false
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"wrapper" : false
}
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RequestSpotFleet",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},

"members" : [
  {
    "c2jName" : "SpotFleetRequestConfig",
    "c2jShape" : "SpotFleetRequestConfigData",
    "deprecated" : false,
    "documentation" : "<p>The configuration for the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The configuration for the Spot fleet request.</p> @param spotFleetRequestConfig The configuration for the Spot fleet request. @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withSpotFleetRequestConfig",
    "getterDocumentation" : "/** <p>The configuration for the Spot fleet request.</p> @return The configuration for the Spot fleet request. */",
    "getterMethodName" : "getSpotFleetRequestConfig",
    "getterModel" : {
      "returnType" : "SpotFleetRequestConfigData",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SpotFleetRequestConfig",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "spotFleetRequestConfig",
      "uri" : false
    }
  }
]
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SpotFleetRequestConfig",
"setterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>
@param spotFleetRequestConfig The configuration for the Spot fleet request.*/",
"setterMethodName": "setSpotFleetRequestConfig",
"setterModel": {
  "variableDeclarationType": "SpotFleetRequestConfigData",
  "variableName": "spotFleetRequestConfig",
  "variableType": "SpotFleetRequestConfigData",
  "documentation": "",
  "simpleType": "SpotFleetRequestConfigData",
  "variableSetterType": "SpotFleetRequestConfigData"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>
@param spotFleetRequestConfig The configuration for the Spot fleet request.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "SpotFleetRequestConfigData",
  "variableName": "spotFleetRequestConfig",
  "variableType": "SpotFleetRequestConfigData",
  "documentation": "<p>The configuration for the Spot fleet request.</p>
  "simple": false,
  "xmlNameSpaceUri": null
},
"membersAsMap": {
  "SpotFleetRequestConfig": {
    "c2jName": "SpotFleetRequestConfig",
    "c2jShape": "SpotFleetRequestConfigData",
    "deprecated": false,
    "documentation": "<p>The configuration for the Spot fleet request.</p>
  "enumType": null,
    "fluentSetterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>
    "fluentSetterMethodName": "withSpotFleetRequestConfig",
    "getterDocumentation": "/**<p>The configuration for the Spot fleet request.</p>
    "getterMethodName": "getSpotFleetRequestConfig",
    "getterModel": {
      "returnType": "SpotFleetRequestConfigData"
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SpotFleetRequestConfig" ],
"shapeName" : "RequestSpotFleetRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RequestSpotFleetRequest",
  "variableName" : "requestSpotFleetRequest",
  "variableType" : "RequestSpotFleetRequest",
  "documentation" : null,
  "simpleType" : "RequestSpotFleetRequest",
  "variableSetterType" : "RequestSpotFleetRequest"
},
"wrapper" : false
},
"RequestSpotFleetResult" : {
  "c2jName" : "RequestSpotFleetResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of RequestSpotFleet.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "SpotFleetRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot fleet request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of the Spot fleet request.</p>
@return Returns a reference to this object so that method calls can be chained together."*/",
    "fluentSetterMethodName" : "withSpotFleetRequestId",
    "getterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@return The ID of the Spot fleet request.
*/",
    "getterMethodName" : "getSpotFleetRequestId",
    "getterModel" : {
      "returnType" : "String","
"membersAsMap": {
    "SpotFleetRequestId": {
        "c2jName": "SpotFleetRequestId",
        "c2jShape": "String",
        "deprecated": false,
        "documentation": "<p>The ID of the Spot fleet request.</p>",
        "enumType": null,
        "fluentSetterDocumentation": "/*<p>The ID of the Spot fleet request.</p>*/
        @param spotFleetRequestId The ID of the Spot fleet request.
        @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName": "withSpotFleetRequestId",
        "getterDocumentation": "/*<p>The ID of the Spot fleet request.</p>*/
        @return The ID of the Spot fleet request.*/",
        "getterMethodName": "getSpotFleetRequestId",
        "getterModel": {
            "returnType": "String",
            "documentation": null
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        "http": {
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            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
            "marshallLocationName": "SpotFleetRequestId",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "spotFleetRequestId",
            "uri": false
        },
        "idempotencyToken": false,
        "list": false,
        "listModel": null,
        "map": false,
        "mapModel": null,
        "name": "SpotFleetRequestId",
        "setterDocumentation": "/*<p>The ID of the Spot fleet request.</p>*/
        @param spotFleetRequestId The ID of the Spot fleet request.*/",
        "setterMethodName": "setSpotFleetRequestId",
        "setterModel": {
            "variableDeclarationType": "String",
            "variableName": "SpotFleetRequestId",
            "variableType": "String",
            "documentation": "",
            "simpleType": "String",
            "variableLocation": "field"
        }
    }
}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "*/<p>The ID of the Spot fleet request.</p>\n@param spotFleetRequestId
The ID of the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "SpotFleetRequestId" ],
"shapeName" : "RequestSpotFleetResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "RequestSpotFleetResult",
"variableName" : "requestSpotFleetResult",
"variableType" : "RequestSpotFleetResult",
"documentation" : null,
"simpleType" : "RequestSpotFleetResult",
"variableSetterType" : "RequestSpotFleetResult"
},
"wrapper" : false
},
"RequestSpotInstancesRequest" : {
"c2jName" : "RequestSpotInstancesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RequestSpotInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
  "action" : "RequestSpotInstances",
  "locationName" : null,
  "requestUri" : "/",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "
  The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  
  @param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "enumType" : null,
  "fluentSetterDocumentation" : "
  The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  
  @param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "
  The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  
  @return The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
  */",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
}
null, "name": "SpotPrice",
"setterDocumentation": "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setSpotPrice",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "spotPrice",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "spotPrice",
  "variableType": "String",
  "documentation": "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "c2jName": "ClientToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"enumType": null,
  "fluentSetterDocumentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName": "withClientToken",
  "getterDocumentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
:return Returns a reference to this object so that method calls can be chained together.
*/",
  "getterMethodName": "getClientToken",
  "isSimple": true,
  "varargSetterDocumentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
*/
"}

@return Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

**getterMethodName** : "getClientToken",

**getterModel** : {
    **returnType** : "String",
    **documentation** : null
},

**http** : {
    **additionalMarshallingPath** : null,
    **additionalUnmarshallingPath** : null,
    **flattened** : false,
    **greedy** : false,
    **header** : false,
    **isPayload** : false,
    **isStreaming** : false,
    **location** : null,
    **marshallLocationName** : "ClientToken",
    **queryString** : false,
    **statusCode** : false,
    **unmarshallLocationName** : "clientToken",
    **uri** : false
},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "ClientToken",

**setterDocumentation** : "/*
Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

@param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

**setterMethodName** : "setClientToken",

**setterModel** : {
    **variableDeclarationType** : "String",
    **variableName** : "clientToken",
    **variableType** : "String",
    **documentation** : "",
    **simpleType** : "String",
    **variableSetterType** : "String"
},

**simple** : true,
"varargSetterDocumentation": "/**<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<br/>
@return Returns a reference to this object so that method calls can be chained together. */",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "clientToken",
  "variableType": "String",
  "documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"c2jName": "InstanceCount",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The maximum number of Spot instances to launch.<br/>
Default: 1<br/></p>",

"enumType": null,

"fluentSetterDocumentation": "/**<p>The maximum number of Spot instances to launch.<br/>
Default: 1<br/></p>
@param instanceCount The maximum number of Spot instances to launch.<br/>
Default: 1<br/>
@return Returns a reference to this object so that method calls can be chained together. */",

"fluentSetterMethodName": "withInstanceCount",

"getterDocumentation": "/**<p>The maximum number of Spot instances to launch.<br/>
Default: 1<br/></p>
@return The maximum number of Spot instances to launch.<br/>
Default: 1<br/>
*/",

"getterMethodName": "getInstanceCount",

"getterModel": {
  "returnType": "Integer",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceCount",
  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "instanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<\p>The maximum number of Spot instances to launch.</\p> <\p>Default: 1</\p>\n@param instanceCount The maximum number of Spot instances to launch.</\p> <\p>Default: 1*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<\p>The maximum number of Spot instances to launch.</\p> <\p>Default: 1</\p>\n@param instanceCount The maximum number of Spot instances to launch.</\p> <\p>Default: 1
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The maximum number of Spot instances to launch.</p> <p>Default: 1</p>

"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Type",
"c2jShape" : "SpotInstanceType",
"deprecated" : false,
"documentation" : "<p>The Spot instance request type.</p> <p>Default: <code>one-time</code></p> <\p>*/",
"enumType" : "SpotInstanceType",
"fluentSetterDocumentation" : "/**<\p>The Spot instance request type.</\p> <\p>Default: <code>one-time</code></p> <\p>\n@param type The Spot instance request type.</p> <\p>Default: <code>one-
\n@return Returns a reference to this object so that method calls can be chained together.\n
@see SpotInstanceType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<\p>The Spot instance request type.</\p> <\p>Default: <code>one-time</code></p> <\p>
\n@return The Spot instance request type.</p> <\p>Default: <code>one-time</code>
\n@see SpotInstanceType*/",  
"nameSpace" : "EC2",  
"xmlNameSpace" : "http://ec2.amazonaws.com/doc/2013-02-14/"}
"getterMethodName" : "getType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "addtionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Type",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "type",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**\n*p The Spot instance request type.\n*Default: <code>one-time</code>\n*/\n@param type The Spot instance request type.\n*Default: <code>one-time</code>\n@return Returns a reference to this object so that method calls can be chained together.\n*see SpotInstanceType*/",
"setterMethodName" : "setType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p The Spot instance request type.\n*Default: <code>one-time</code>\n*/\n@param type The Spot instance request type.\n*Default: <code>one-time</code>\n@return Returns a reference to this object so that method calls can be chained together.\n*see SpotInstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The Spot instance request type.\n*Default: <code>one-time</code>\n*/"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ValidFrom",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>
Default: The request is effective indefinitely.<p>"
"enumType" : null,

"fluentSetterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>
Default: The request is effective indefinitely.<p>/*",
"fluentSetterMethodName" : "withValidFrom",

"getterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>
Default: The request is effective indefinitely.<p>*/

"getterMethodName" : "getValidFrom",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"xmlNameSpaceUri" : null
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setValidFrom",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled. Default: The request is effective indefinitely.

@return Returns a reference to this object so that method calls can be chained together. */",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ValidUntil"
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> ",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> <p>@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> <p>@return Returns a reference to this object so that method calls can be chained together.</p> */",
"fluentSetterMethodName": "withValidUntil",
"getterDocumentation": "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> <p>@return The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> */",
"getterMethodName": "getValidUntil",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ValidUntil",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "validUntil",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ValidUntil",
"setterDocumentation": "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p> ",
"setterMethodName": "setValidUntil"}
active until it is canceled or this date and time is reached.\</p>\<p>Default: The request is effective indefinitely.\</p>\n@\param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.\</p>\<p>Default: The request is effective indefinitely.*/\nsetterMethodName" : "setValidUntil",\nsetterModel" : {\n "variableDeclarationType" : "java.util.Date",\n "variableName" : "validUntil",\n "variableType" : "java.util.Date",\n "documentation" : "",\n "simpleType" : "Date",\n "variableSetterType" : "java.util.Date"\n},\nsimple" : true,\n"varargSetterDocumentation" : "/**\p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.\</p>\<p>Default: The request is effective indefinitely.\</p>\n@\param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.\</p>\<p>Default: The request is effective indefinitely.\n@return Returns a reference to this object so that method calls can be chained together.*/\n"variable" : {\n "variableDeclarationType" : "java.util.Date",\n "variableName" : "validUntil",\n "variableType" : "java.util.Date",\n "documentation" : "\p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.\</p>\<p>Default: Instances are launched and terminated individually.*/\n"simpleType" : "Date",\n "variableSetterType" : "java.util.Date"\n},\n"xmlNameSpaceUri" : null\n}, \n"c2jName" : "LaunchGroup",\n"c2jShape" : "String",\n"deprecated" : false,\n"documentation" : "\p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.\</p>\<p>Default: Instances are launched and terminated individually.*/\n@return Returns a reference to this object so that method calls can be chained together.*/\n"fluentSetterDocumentation" : "/**\p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.\</p>\<p>Default: Instances are launched and terminated individually.*/\n@param launchGroup The instance launch group. Launch groups are Spot instances that launch together and terminate together.\</p>\<p>Default: Instances are launched and terminated individually.*/\n@return Returns a reference to this object so that method calls can be chained together.*/\n"fluentSetterMethodName" : "withLaunchGroup",\n"getterDocumentation" : "/**\p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.\</p>\<p>Default: Instances are launched and terminated individually.*/\n@return Returns a reference to this object so that method calls can be chained together.*/
<p>Default: Instances are launched and terminated individually*/

"getterMethodName" : "getLaunchGroup",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchGroup",
"setterDocumentation" : "/**
The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>

@param launchGroup The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>

"setterMethodName" : "setLaunchGroup",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "launchGroup",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>

@param launchGroup The instance launch group. Launch groups are Spot instances that launch
together and terminate together.</p>

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String"
"variableName" : "launchGroup",
"variableType" : "String",
"documentation" : "The instance launch group. Launch groups are Spot instances that launch together and terminate together.
<p>Default: Instances are launched and terminated individually</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZoneGroup",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The user-specified name for a logical grouping of bids.
<p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.
<p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.
<p>Default: Instances are launched in any available Availability Zone.</p>

"enumType" : null,
"fluentSetterDocumentation" : "The user-specified name for a logical grouping of bids.
<p>When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.
<p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.
<p>Default: Instances are launched in any available Availability Zone.

@returns {AvailabilityZoneGroup} The user-specified name for a logical grouping of bids.

When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.
<p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.
<p>Default: Instances are launched in any available Availability Zone.

@returns {AvailabilityZoneGroup} The user-specified name for a logical grouping of bids.

When you
specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p>
<p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.</p>
<p>Default: Instances are launched in any available Availability Zone.</p>

@return The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p>
<p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.</p>

Default: Instances are launched in any available Availability Zone.*"/

"getterMethodName" : "getAvailabilityZoneGroup",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZoneGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZoneGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/** The user-specified name for a logical grouping of bids. */"
same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p> <p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. <p><p>Default: Instances are launched in any available Availability Zone.

@param availabilityZoneGroup The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.

If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.


the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

@returns Returns a reference to this object so that method calls can be chained together.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "availabilityZoneGroup",
    "variableType" : "String",
    "documentation" : "The user-specified name for a logical grouping of bids.
When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not.
The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.
If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

"simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "BlockDurationMinutes",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes.
This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).
The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.
Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

Default: Instances are launched in any available Availability Zone.

"enumType" : null,
"fluentSetterDocumentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).
The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.
Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.
Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

@returns Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "withBlockDurationMinutes",
"getterMethodType" : "String",
"getterReturnType" : "String",
"getterShape" : "String",
"getterSetterType" : "String",
"methodParameterName" : "blockDurationMinutes",
"methodParameters" : null,
"methodReturnType" : null,
"methodShape" : null,
"methodType" : null,
"paramName" : "blockDurationMinutes",
"returnShape" : null,
"serviceShapeName" : "MarketplaceSpotInquiry",
"_Variables" : null,
soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>

@return The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p>
"variableDeclarationType" : "Integer",
"variableName" : "blockDurationMinutes",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).
<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.</p>
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

@param blockDurationMinutes The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.
<p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

@return Returns a reference to this object so that method calls can be chained together.*/
*/

return


"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates.

Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

@return Returns a reference to this object so that method calls can be chained together.*/
*/

return


"c2jName" : "LaunchSpecification",
"c2jShape" : "LaunchSpecification",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param launchSpecification
@return Returns a reference to this object so that method calls can be chained together.*/
*/

return


"fluentSetterMethodName" : "withLaunchSpecification",
"getterDocumentation" : "/**

return *
*/

return


"getterMethodName" : "getLaunchSpecification",
"getterModel" : {
  "returnType" : "LaunchSpecification",
  "documentation" : null
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "LaunchSpecification",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LaunchSpecification",
    "uri" : false
},
{idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**\n@param launchSpecification */",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param launchSpecification \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
    "AvailabilityZoneGroup" : {
        "c2jName" : "AvailabilityZoneGroup",
        "xmlNameSpaceUri" : null
    }
}];
The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not.

The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.

If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

@availabilityZoneGroup The user-specified name for a logical grouping of bids.

When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not.

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The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.

If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

@availabilityZoneGroup The user-specified name for a logical grouping of bids.
When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.
Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

@param availabilityZoneGroup The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. Default: Instances are launched in any available Availability Zone. Returns a reference to this object so that method calls can be chained together.
The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.</p><p>If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.</p><p>Default: Instances are launched in any available Availability Zone.</p>
"getterMethodName": "getBlockDurationMinutes",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "location": null,
  "marshallLocationName": "BlockDurationMinutes",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "blockDurationMinutes",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "BlockDurationMinutes",
"setterDocumentation": "/**<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).</p> The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.</p> The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.*/",
"setterMethodName": "setBlockDurationMinutes",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "blockDurationMinutes",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.*/",
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "BlockDurationMinutes",
"setterDocumentation": "/**<p>The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.*/",
"setterMethodName": "setBlockDurationMinutes",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "blockDurationMinutes",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The required duration for the Spot instances (also known as Spot..."
blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). </p> <p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. </p> <p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration. </p> 

```java
@Param blockDurationMinutes The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). 

<p>The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. </p> <p>Note that you can't specify an Availability Zone group or a launch group if you specify a duration. 

```
identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```java
"getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**
 * Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 */
@Param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a
```

<param clientToken Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.\n@return Returns a reference to this object so that method calls can be chained together.*/

/*

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the Amazon Elastic Compute Cloud User Guide.\n
@return Returns a reference to this object so that method calls can be chained together.*/

"InstanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The maximum number of Spot instances to launch.\n  Default: 1\n  
  @param instanceCount The maximum number of Spot instances to launch.\n  Default: 1\n  @return The maximum number of Spot instances to launch.\n  Default: 1\n
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
"urn:marshallLocationName": "instanceCount",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**\n<p>The maximum number of Spot instances to launch.</p>
<p>Default: 1</p>
@param instanceCount The maximum number of Spot instances to launch.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setInstanceCount",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "instanceCount",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The maximum number of Spot instances to launch.</p>
<p>Default: 1</p>
@param instanceCount The maximum number of Spot instances to launch.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName": "withInstanceCount",
"variable": {
"variableDeclarationType": "Integer",
"variableName": "instanceCount",
"variableType": "Integer",
"documentation": "<p>The maximum number of Spot instances to launch.</p>
<p>Default: 1</p>
",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"LaunchGroup": {
"c2jName": "LaunchGroup",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p>
<p>Default: Instances are launched and terminated individually</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p>
<p>Default: Instances are launched and terminated individually</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withLaunchGroup",
"getterDocumentation": "/**\n<p>The instance launch group. Launch groups are Spot instances that launch
The instance launch group. Launch groups are Spot instances that launch together and terminate together.

@returns Returns a reference to this object so that method calls can be chained together.

The instance launch group. Launch groups are Spot instances that launch together and terminate together.

@returns Returns a reference to this object so that method calls can be chained together.

The instance launch group. Launch groups are Spot instances that launch together and terminate together.

Default: Instances are launched and terminated individually
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "launchGroup",
  "variableType" : "String",
  "documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and terminate together.</p> <p>Default: Instances are launched and terminated individually</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LaunchSpecification" : {
  "c2jName" : "LaunchSpecification",
  "c2jShape" : "LaunchSpecification",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "idempotencyToken" : false,
  "list" : false,
  "map" : false,
  "name" : "LaunchSpecification",
  "setterDocumentation" : "/**
@param launchSpecification 
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "setterMethodName" : "withLaunchSpecification",
  "documentRootName" : "LaunchSpecification",
  "getterDocumentation" : "/**
@return */",
  "getterMethodName" : "getLaunchSpecification",
  "getterModel" : {
    "returnType" : "LaunchSpecification",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
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    "unmarshallLocationName" : "LaunchSpecification",
    "uri" : false,
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  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "LaunchSpecification",
  "setterDocumentation" : "/**
@param launchSpecification 
@return Returns a reference to this object so that method calls can be chained together.
*/"}
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param launchSpecification
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "",
    "simpleType" : "LaunchSpecification",
    "variableSetterType" : "LaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"SpotPrice" : {
    "c2jName" : "SpotPrice",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "/**
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.
@return The maximum hourly price (bid) for any Spot instance launched to fulfill the request.*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
    "returnType" : "String",
    "documentation" : "null"
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "SpotPrice",
"setterDocumentation": "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</n>*/",
"setterMethodName": "setSpotPrice",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "spotPrice",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>",
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"Type": {
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  "c2jShape": "SpotInstanceType",
  "deprecated": false,
  "documentation": "<p>The Spot instance request type. Default: <code>one-time</code></p>",
  "enumType": "SpotInstanceType",
  "fluentSetterDocumentation": "/**<p>The Spot instance request type. Default: <code>one-time</code></p>*/",
  "@param type The Spot instance request type. Default: <code>one-time</code>"}
SpotInstanceType*/",
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    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "<p>The Spot instance request type. Default: one-time</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"ValidFrom" : {
  "c2jName" : "ValidFrom",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The start date of the request. If this is a one-time request, the request becomes active at
  this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the
  request is persistent, the request becomes active at this date and time and remains active until it expires or is
  canceled.</p> <p>Default: The request is effective indefinitely.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "The start date of the request. If this is a one-time request, the request
  becomes active at this date and time and remains active until all instances launch, the request expires, or the request
  is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it
  expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
  @param validFrom The start date of the request. If this is a one-time request, the request becomes active at
  this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the
  request is persistent, the request becomes active at this date and time and remains active until it expires or is
  canceled.</p> <p>Default: The request is effective indefinitely.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  
  "fluentSetterMethodName" : "withValidFrom",
  "getterDocumentation" : "The start date of the request. If this is a one-time request, the request becomes active at
  this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the
  request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
  @return The start date of the request.
  @param validFrom The start date of the request. If this is a one-time request, the request becomes active at
  this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the
  request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p> <p>Default: The request is effective indefinitely.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  
  "getterMethodName" : "getValidFrom",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>@return Returns a reference to this object so that method calls can be chained together.*/

setterMethodName" : "setValidFrom",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>@param validFrom The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.<p>@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.

"return" Returns a reference to this object so that method calls can be chained together.*/
}
canceled.</p> <p>Default: The request is effective indefinitely.</p>“, 
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
}, 
"xmlNameSpaceUri" : null
}, 
"ValidUntil" : {
"c2jName" : "ValidUntil",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>“, 
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>
@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withValidUntil",
"getterDocumentation" : "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>
@return The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterMethodName" : "getValidUntil",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidUntil",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validUntil",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p><p>Default: The request is effective indefinitely.</p><p>@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p><p>Default: The request is effective indefinitely.</p><**/>",
"setterMethodName" : "setValidUntil",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p><p>Default: The request is effective indefinitely.</p><p>@param validUntil The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p><p>Default: The request is effective indefinitely.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p><p>Default: The request is effective indefinitely.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotPrice" ],
"shapeName" : "RequestSpotInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.
  <p>Default: The request is effective indefinitely.</p>"}
"variableDeclarationType" : "RequestSpotInstancesRequest",
"variableName" : "requestSpotInstancesRequest",
"variableType" : "RequestSpotInstancesRequest",
"documentation" : null,
"simpleType" : "RequestSpotInstancesRequest",
"variableSetterType" : "RequestSpotInstancesRequest"
},
"wrapper" : false
},
"RequestSpotInstancesResult" : {
"c2jName" : "RequestSpotInstancesResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "SpotInstanceRequests",
    "c2jShape" : "SpotInstanceRequestList",
    "deprecated" : false,
    "documentation" : "<p>One or more Spot instance requests.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more Spot instance requests.</p>
*param
spotInstanceRequests One or more Spot instance requests.
*return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotInstanceRequests",
    "getterDocumentation" : "/**<p>One or more Spot instance requests.</p>
*return One or more Spot instance requests.*/",
    "getterMethodName" : "getSpotInstanceRequests",
    "getterModel" : {
      "returnType" : "java.util.List<SpotInstanceRequest>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
    },
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotInstanceRequestSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotInstanceRequestSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "SpotInstanceRequest",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "*>*\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*!",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "*>*\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "SpotInstanceRequest",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "SpotInstanceRequest",
   "variableName" : "member",
   "variableType" : "SpotInstanceRequest",
   "documentation" : "",
   "simpleType" : "SpotInstanceRequest",
   "variableSetterType" : "SpotInstanceRequest"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
   "variableDeclarationType" : "SpotInstanceRequest",
   "variableName" : "member",
   "variableType" : "SpotInstanceRequest",
   "documentation" : "",
   "simpleType" : "SpotInstanceRequest",
   "variableSetterType" : "SpotInstanceRequest"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotInstanceRequest",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotInstanceRequest",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType" : "java.util.List<SpotInstanceRequest>"
},
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequests",
"setterDocumentation" : "/**
<p>One or more Spot instance requests.</p>
@param spotInstanceRequests One or more Spot instance requests.</param> */",
"setterMethodName" : "setSpotInstanceRequests",
"setterModel" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
   "variableName" : "spotInstanceRequests",
   "variableType" : "java.util.List<SpotInstanceRequest>"
},
"xmlNameSpaceUri" : null
}
"documentation": "",
"simpleType": "List<SpotInstanceRequest>",
"variableSetterType": "java.util.Collection<SpotInstanceRequest>",
}
,"simple": false,
"varargSetterDocumentation": "/**<p>One or more Spot instance requests.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link setSpotInstanceRequests(java.util.Collection)\} or \{@link withSpotInstanceRequests(java.util.Collection)\} if you want to override the existing values.</p>
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
 "variableName": "spotInstanceRequests",
 "variableType": "java.util.List<SpotInstanceRequest>",
 "documentation": "<p>One or more Spot instance requests.</p>",
 "simpleType": "List<SpotInstanceRequest>",
 "variableSetterType": "java.util.Collection<SpotInstanceRequest>",
}
,"xmlNameSpaceUri": "null",
"membersAsMap": {
 "SpotInstanceRequests": {
 "c2jName": "SpotInstanceRequests",
 "c2jShape": "SpotInstanceRequestList",
 "deprecated": false,
 "documentation": "<p>One or more Spot instance requests.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**<p>One or more Spot instance requests.</p>
@return Returns a reference to this object so that method calls can be chained together.
*/",
 "fluentSetterMethodName": "withSpotInstanceRequests",
 "getterDocumentation": "/**<p>One or more Spot instance requests.</p>
@return One or more Spot instance requests.
*/",
 "getterMethodName": "getSpotInstanceRequests",
 "getterModel": {
 "returnType": "java.util.List<SpotInstanceRequest>",
 "documentation": null
 },
 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "SpotInstanceRequestSet",
"Open Source Used In Virtualized Voice Browser 12.6(1) 28245"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotInstanceRequestSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SpotInstanceRequest",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
    @param member
    @return Returns a reference to this object so that
    method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SpotInstanceRequest",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
   @param member */",
  "setterMethodName" : "setMember",
  "list" : true,
"setterModel": {
"variableDeclarationType": "SpotInstanceRequest",
"variableName": "member",
"variableType": "SpotInstanceRequest",
"documentation": "",
"simpleType": "SpotInstanceRequest",
"variableSetterType": "SpotInstanceRequest"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "SpotInstanceRequest",
"variableName": "member",
"variableType": "SpotInstanceRequest",
"documentation": "",
"simpleType": "SpotInstanceRequest",
"variableSetterType": "SpotInstanceRequest"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "SpotInstanceRequest",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "SpotInstanceRequest",
"templateImplType": "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"templateType": "java.util.List<SpotInstanceRequest>"
},
"map": false,
"mapModel": null,
"name": "SpotInstanceRequests",
"setterDocumentation": "/**\n@param spotInstanceRequests
One or more Spot instance requests.*/",
"setterMethodName": "setSpotInstanceRequests",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
"variableName": "spotInstanceRequests",
"variableType": "java.util.List<SpotInstanceRequest>",
"documentation": "",
"simpleType": "List<SpotInstanceRequest>",
"variableSetterType": "java.util.Collection<SpotInstanceRequest>"
},
"simple": false,
"varargSetterDocumentation" : "<p>One or more Spot instance requests.</p>

**NOTE:** This method appends the values to the existing list (if any). Use { @link #setSpotInstanceRequests(java.util.Collection) } or { @link #withSpotInstanceRequests(java.util.Collection) } if you want to override the existing values.

@<p>@param spotInstanceRequests One or more Spot instance requests.</p>@

@<p>@return Returns a reference to this object so that method calls can be chained together.</p>"

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotInstanceRequest>",
  "variableName" : "spotInstanceRequests",
  "variableType" : "java.util.List<SpotInstanceRequest>",
  "documentation" : "<p>One or more Spot instance requests.</p>

  "simpleType" : "List<SpotInstanceRequest>",
  "variableSetterType" : "java.util.Collection<SpotInstanceRequest>",
},
"xmlnsNameSpaceUri" : null
}
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the reservation.</p>@param reservationId The ID of the reservation.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**<p>The ID of the reservation.</p>@return The ID of the reservation.*/",
  "getterMethodName" : "getReservationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservationId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ReservationId",
  "setterDocumentation" : "/**<p>The ID of the reservation.</p>@param reservationId The ID of the reservation.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setReservationId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
  },
"variableSetterType" : "String",
],
"simple" : true,
"varargSetterDocumentation" : "/**\nThe ID of the reservation.\n
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservationId",
"variableType" : "String",
"documentation" : "The ID of the reservation.\n
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the AWS account that owns the reservation.\n
@returns The ID of the AWS account that owns the reservation.\n
@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
The ID of the AWS account that owns the reservation.*/

**setterDocumentation** : "/**<p>The ID of the AWS account that owns the reservation.</p>
@param ownerId

setterMethodName" : "setOwnerId",

setterModel" : {

variableDeclarationType" : "String",

variableName" : "ownerId",

variableType" : "String",

documentation" : ":",

simpleType" : "String",

variableSetterType" : "String"

},

deleted" : true,

deprecated" : false,

setterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
@return Returns a reference to this object so that method calls can be chained together.*/

**setterMethodName** : "withRequesterId",

getterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>

**getterMethodName** : "getRequesterId",

ggetterModel" : {

returnType" : "String",

documentation" : null

},

c2jName" : "RequesterId",

c2jShape" : "String",

deprecated" : false,

documentation" : ":<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>

**enumType** : null,

fluentSetterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>

**fluentSetterMethodName** : "withRequesterId",


"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "RequesterId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "requesterId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RequesterId",
"setterDocumentation": "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling). */",
"setterMethodName": "setRequesterId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "requesterId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together. */",
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"xmlNameSpaceUri": null
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"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@param groups
[EC2-Classic only] One or more security groups.
@return Returns a reference to this object so that method calls
  can be chained together.*/",
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@return [EC2-Classic only] One or more security groups.
*/",
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"documentation" : null
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"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
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@return Returns a reference to this object so that method calls
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"getterDocumentation" : "/**\n@return *
*/",
"getterMethodName" : "getMember",
"getterModel" : {
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"documentation" : null
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@return Returns a reference to this object so that method calls
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*/",
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@return Returns a reference to this object so that method calls
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*/",
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"c2jShape" : "GroupIdentifier",
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@return Returns a reference to this object so that method calls
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  "documentation" : null
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  "greedy" : false,
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  "uri" : false
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  "variableType" : "GroupIdentifier",
  "documentation" : "",
  "simpleType" : "GroupIdentifier",
  "variableSetterType" : "GroupIdentifier"
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 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<GroupIdentifier>",
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"mapModel" : null,
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"setterDocumentation" : "/**
<p>[EC2-Classic only] One or more security groups.</p>
@param groups [EC2-Classic only] One or more security groups.*="/**",
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 "documentation" : "",
 "simpleType" : "List<GroupIdentifier>",
 "variableSetterType" : "java.util.Collection<GroupIdentifier>",
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<p>[EC2-Classic only] One or more security groups.</p>
@param instances One or more security groups.*="/**",
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 "variableType" : "java.util.List<GroupIdentifier>",
 "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
 "simpleType" : "List<GroupIdentifier>",
 "variableSetterType" : "java.util.Collection<GroupIdentifier>",
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"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>One or more instances.</p>
@param instances One or more instances.*="/**"
instances

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withInstances",
"getterDocumentation" : "/**<p>One or more instances.</p>

@return One or more instances.*/",
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"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
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  "variableSetterType": "Instance"
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  "variableName": "member",
  "variableType": "Instance",
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 */
@param instances One or more instances.
@returns Returns a reference to this object so that method calls can be chained together.
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  "documentation": "",
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  "variableSetterType": "java.util.Collection<Instance>",
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"varargSetterDocumentation": "/**
 * One or more instances.
 */
@param instances One or more instances.
@returns Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation": "/**
 * One or more instances.
 */
@returns One or more instances.
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"getterModel": {
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  "documentation": null,
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"xmlNameSpaceUri": null
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"c2jShape": "GroupNameStringList",
"deprecated": false,
"documentation": "One or more security group names.
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluenticSetterDocumentation": "/**
 * One or more security group names.
 */
@param groupNames One or more security group names.
@returns Returns a reference to this object so that method calls can be chained together.
",
"fluenticSetterMethodName": "withGroupNames",
"getterDocumentation": "/**
 * One or more security group names.
 */
@returns One or more security group names.
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  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"memberType": "String",
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
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"templateType": "java.util.List<String>"
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"map": false,
"mapModel": null,
"name": "GroupNames",
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@param groupNames One or more security group names.*/",
"setterMethodName": "setGroupNames"
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  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more security group names.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroupNames(java.util.Collection)] or [@link #withGroupNames(java.util.Collection)] if you want to override the existing values.</p>
  @param groupNames One or more security group names.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "groupNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "One or more security group names.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
  },
  "xmlNameSpaceUri" : null
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"membersAsMap" : {
  "GroupNames" : {
    "c2jName" : "GroupNames",
    "c2jShape" : "GroupNameStringList",
    "deprecated" : false,
    "documentation" : "One or more security group names.",
    "enumType" : null,
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    @param groupNames One or more security group names.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupNames",
    "getterDocumentation" : "/**<p>One or more security group names.</p>
    @return One or more security group names.*/",
    "getterMethodName" : "getGroupNames",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "header" : false,
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      "sensitive" : false
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    "required" : false,
    "responseLocation" : null,
    "returnType" : "java.util.List<String>",
    "responseCount" : null,
    "responseMembers" : {
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        "c2jShape" : "requestMember",
        "required" : false,
        "responseMember" : {
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          "c2jShape" : "responseMember",
          "required" : false
        }
      }
    }
  }
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
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"unmarshallLocationName" : "groupName",
"uri" : false,
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"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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    "statusCode" : false,
    "unmarshallLocationName" : "GroupName",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"memberType" : "String",
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"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
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"map" : false,
"mapModel" : null,
"name" : "GroupNames",
"setterDocumentation" : "/**
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@param groupNames One or more security group names.*/",
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"setterModel" : {
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  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : ""
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group names.</p>
<p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use {@link #setGroupNames(java.util.Collection)} or
{@link #withGroupNames(java.util.Collection)} if you want to override the existing values.</p>\n\n@returns Returns a reference to this object so that method calls
can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groupNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group names.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
",
"Groups" : {
  "c2jName" : "Groups",
  "c2jShape" : "GroupIdentifierList",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@param groups
[EC2-Classic only] One or more security groups.
\n@returns Returns a reference to this object so that method calls
can be chained together.*/",
  "fluentSetterMethodName" : "withGroups",
  "getterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@returns [EC2-
Classic only] One or more security groups.*/",
  "getterMethodName" : "getGroups",
  "getterModel" : {
    "returnType" : "java.util.List<GroupIdentifier>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupSet",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName": "groupSet",
"uri": false
],
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "GroupIdentifier",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withMember",
    "getDocumentation": "/**\n@return */",
    "getMethodName": "getMember",
    "getModel": {
      "returnType": "GroupIdentifier",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "GroupIdentifier",
      "variableDeclarationValue": "Member"
    }
  }
}
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
",
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
",
"xmlNameSpaceUri" : null
},

"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"complexType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
",
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
@param groups
[EC2-Classic only] One or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "groups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
",
"simple" : false,

"varargSetterDocumentation" : "/**<p>[EC2-Classic only] One or more security groups.</p>
<b>NOTE</b>: This method appends the values to the existing list (if any). Use [ @link
#setGroups(java.util.Collection) or { @link #withGroups(java.util.Collection) } if you want to override the existing values.\n@returns One or more security groups.\n@returns Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName" : "groups",
  "variableType" : "java.util.List<GroupIdentifier>",
  "documentation" : "[EC2-Classic only] One or more security groups.\n  "simpleType" : "List<GroupIdentifier>",
  "variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri" : null
},
"Instances" : {
  "c2jName" : "Instances",
  "c2jShape" : "InstanceList",
  "deprecated" : false,
  "documentation" : "One or more instances.\n  "enumType" : null,
  "fluentSetterDocumentation" : "One or more instances.\n  @param instances One or more instances.\n  @returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstances",
  "getterDocumentation" : "One or more instances.\n  @returns One or more instances.\n  @returns Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getInstance",
  "getterModel" : {
    "returnType" : "java.util.List<Instance>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstancesSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instancesSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    ...
  }
"listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Instance",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@memberof\n\n@returns {this} Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns {value}*/",
    "getMethodName" : "getMember",
    "getterModel" : {
        "returnType" : "Instance",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@memberof\n\n@returns {this} Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "Instance",
        "variableName" : "member",
        "variableType" : "Instance",
        "documentation" : "",
        "simpleType" : "Instance",
        "variableSetterType" : "Instance"
    },
    "simple" : false,
    "varargSetterDocumentation" : "/**\n@memberof\n\n@returns {this} Returns a reference to this object so that method calls can be chained together.*/"};
method calls can be chained together.*"/",
  "variable" : {
    "variableDeclarationType" : "Instance",
    "variableName" : "member",
    "variableType" : "Instance",
    "documentation" : "",
    "simpleType" : "Instance",
    "variableSetterType" : "Instance"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Instance",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Instance",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Instance>",
"templateType" : "java.util.List<Instance>"
},
"map" : false,
"mapModel" : null,
"name" : "Instances",
"setterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.*/",
"setterMethodName" : "setInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
  "variableName" : "instances",
  "variableType" : "java.util.List<Instance>",
  "documentation" : "",
  "simpleType" : "List<Instance>",
  "variableSetterType" : "java.util.Collection<Instance>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instances.</p>
@param instances One or more instances.
@return Returns a reference to this object so that method calls can be chained together.*"/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Instance>",
    "variableName" : "instances",
    "variableType" : "java.util.List<Instance>",
    "documentation" : "<p>One or more instances.</p>",
    "simpleType" : "List<Instance>",
    "variableSetterType" : "java.util.Collection<Instance>"
"OwnerId" : {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the AWS account that owns the reservation.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
  *param ownerId The ID of the AWS account that owns the reservation.
  *return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOwnerId",
  "getterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
  *return The ID of the AWS account that owns the reservation.*/",
  "getterMethodName" : "getOwnerId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OwnerId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ownerId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OwnerId",
  "setterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
  *param ownerId The ID of the AWS account that owns the reservation.
  *return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setOwnerId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "ownerId",
    "variableType" : "String",
  }
}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the AWS account that owns the reservation.</p>
@param ownerId The ID of the AWS account that owns the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "<p>The ID of the AWS account that owns the reservation.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RequestId" : {
"c2jName" : "RequestId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRequesterId",
"getterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@return The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).*/",
"getMethodName" : "getRequesterId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequesterId",
"returnType" : "String",
"documentation" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterId",
"setterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).*/",
"setterMethodName" : "setRequesterId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
@param requesterId The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "requesterId",
  "variableType" : "String",
  "documentation" : "The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservationId" : {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation.
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservationId" : {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation.
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservationId" : {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation.
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservationId" : {
  "c2jName" : "ReservationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the reservation.
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The ID of the reservation.</p>\n@return The ID of the reservation.*/",
"getterMethodName" : "getReservationId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservationId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservationId",
"setterDocumentation" : "/**<p>The ID of the reservation.</p>\n@param reservationId The ID of the reservation.*/",
"setterMethodName" : "setReservationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the reservation.</p>\n@param reservationId The ID of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
   "xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "Reservation",
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "Reservation",
   "variableName" : "reservation",
   "variableType" : "Reservation",
   "documentation" : null,
   "simpleType" : "Reservation",
   "variableSetterType" : "Reservation"
},
"wrapper" : false
},
"ReservationState" : {
   "c2jName" : "ReservationState",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : "",
   "enums" : [ { 
      "name" : "PaymentPending",
      "value" : "payment-pending"
   }, { 
      "name" : "PaymentFailed",
      "value" : "payment-failed"
   }, { 
      "name" : "Active",
      "value" : "active"
   }, { 
      "name" : "Retired",
      "value" : "retired"
   } ],
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservationState",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "ReservationState",
  "variableName" : "reservationState",
  "variableType" : "ReservationState",
  "documentation" : null,
  "simpleType" : "ReservationState",
  "variableSetterType" : "ReservationState"
},
"wrapper" : false
},
"ReservationValue" : { 
  "c2jName" : "ReservationValue",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>The cost associated with the Reserved Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ 
    "c2jName" : "RemainingTotalValue",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue +
hourlyPrice * number of hours remaining).

/*
 * param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
 * return Returns a reference to this object so that method calls can be chained together.*/

"fluentsetterMethodName" : "withRemainingTotalValue",
"getterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>*/
return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).

"getterMethodName" : "getRemainingTotalValue",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "RemainingTotalValue",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "remainingTotalValue",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>*/
return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).

"setterMethodName" : "setRemainingTotalValue",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "remainingTotalValue",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargsSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>*/
return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).

"varargsSetterMethodName" : "withRemainingTotalValue"
sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).

```java
@variable Returns a reference to this object so that method calls can be chained together.*",
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "remainingTotalValue",
        "variableType" : "String",
        "documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
},
```

```java
"c2jName" : "RemainingUpfrontValue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The remaining upfront cost of the reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>
@param remainingUpfrontValue The remaining upfront cost of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*"",
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"getterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>
@return The remaining upfront cost of the reservation.*"",
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    "documentation" : null
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    "isPayload" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "remainingUpfrontValue",
    "uri" : false
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"variableSetterType" : "String"
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"variableType" : "String",
"documentation" : "The remaining upfront cost of the reservation."
"simpleType" : "String",
"variableSetterType" : "String"
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"deprecated" : false,
"documentation" : "The hourly rate of the reservation.\n@return The hourly rate of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**\n@return The hourly rate of the reservation.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : null
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"greedy" : false,
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"uri" : false
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"map" : false,
"mapModel" : null,
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@param hourlyPrice The hourly rate of the reservation.</p>
@returns A reference to this object so that method calls can be chained together. */",
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"setterModel" : {
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  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType" : "String",
  "documentation" : "<p>The hourly rate of the reservation.</p>
  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The hourly rate of the reservation.</p>
  
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.
@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@return The hourly rate of the reservation.*/",
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
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  "documentation" : null
},
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "hourlyPrice",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly rate of the reservation.</p>
@param hourlyPrice The hourly rate of the reservation.
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableName" : "hourlyPrice",
"variableType" : "String",
"documentation" : "<p>The hourly rate of the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RemainingTotalValue" : {
"c2jName" : "RemainingTotalValue",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>\n@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRemainingTotalValue",
"getterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>\n@return The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).*/",
"getterMethodName" : "getRemainingTotalValue",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RemainingTotalValue",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "remainingTotalValue",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RemainingTotalValue",
"setterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).*/",
"setterMethodName" : "setRemainingTotalValue",
"setterModel" : {
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    "variableName" : "remainingTotalValue",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>
@param remainingTotalValue The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "remainingTotalValue",
    "variableType" : "String",
    "documentation" : "<p>The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"RemainingUpfrontValue" : {
    "c2jName" : "RemainingUpfrontValue",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The remaining upfront cost of the reservation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>
@param remainingUpfrontValue The remaining upfront cost of the reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRemainingUpfrontValue",
    "getterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>
@return The remaining upfront cost of the reservation.*/",
    "getterMethodName" : "getRemainingUpfrontValue",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
remainingUpfrontValue The remaining upfront cost of the reservation.

@<p>The remaining upfront cost of the reservation.</p>

setterDocumentation" : "/**<p>The remaining upfront cost of the reservation.</p>

"@param

remainingUpfrontValue The remaining upfront cost of the reservation.

setterMethodDocumentation" : "/**<p>The remaining upfront cost of the reservation.

"setterModel" : { returns a reference to this object so that method calls can be chained together.*/

"variable" : { */

"variableName" : "remainingUpfrontValue",
"variableType" : "String",
"documentation" : "<p>The remaining upfront cost of the reservation.</p>

"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
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"shapeName" : "ReservationValue",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "reservationValue",
  "variableType" : "ReservationValue",
  "documentation" : null,
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
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"wrapper" : false
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"ReservedInstanceLimitPrice" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the limit price of a Reserved Instance offering.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
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    "c2jShape" : "Double",
    "deprecated" : false,
    "documentation" : "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>
@\n@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAmount",
    "getterDocumentation" : "/**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>
@\n@return Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).*/",
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"getterMethod" : "getAmount",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "unmarshallLocationName" : "amount",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Amount",
"setterDocumentation" : "/**
 * Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
 */

@type double
@var amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"setterModel" : {
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  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
 */

@type double
@var amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.
*/

@var amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.
*/

@var amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
@return Returns a reference to this object so that method calls can be chained together.
*/
order (instanceCount * price).

```java
"simpleType" : "Double",
"variableSetterType" : "Double"
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,"xmlNameSpaceUri" : null
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"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "The currency in which the limitPrice amount is specified. At this time, the only supported currency is USD.

```java
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "The currency in which the limitPrice amount is specified. At this time, the only supported currency is USD.

```java
@see CurrencyCodeValues*
",
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "The currency in which the limitPrice amount is specified. At this time, the only supported currency is USD.

```java
@see CurrencyCodeValues*/
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
```
"setterDocumentation": "\**<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.

@param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.  

@see CurrencyCodeValues*/",
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  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "\**<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.  

@param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.  

@return Returns a reference to this object so that method calls can be chained together.

@see CurrencyCodeValues*/",
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  "variableType": "String",
  "documentation": "The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
  "Amount": {
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    "c2jShape": "Double",
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    "documentation": "Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).",
    "enumType": null,
    "fluentSetterDocumentation": "\**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).  

@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).

@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "\**<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).  

@return Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).  

@see CurrencyCodeValues*/",
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      "variableType": "String",
      "documentation": "",
      "simpleType": "String",
      "variableSetterType": "String"
    }
  }
}
"returnType" : "Double",
"documentation" : null
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"http" : {
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  "location" : null,
  "marshallLocationName" : "Amount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "amount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Amount",
"setterDocumentation" : "/*<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>\n@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).*/",
"setterMethodName" : "setAmount",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "amount",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>\n@param amount Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "amount",
  "variableType" : "Double",
  "documentation" : "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
  "simpleType" : "Double",
  "variableName" : "amount",
  "variableType" : "Double",
  "documentation" : "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).
"
"variableSetterType" : "Double",
"
"xmlNameSpaceUri" : null
",
"CurrencyCode" : {
  "c2jName" : "CurrencyCode",
  "c2jShape" : "CurrencyCodeValues",
  "deprecated" : false,
  "documentation" : "<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>",
  "enumType" : "CurrencyCodeValues",
  "fluentSetterDocumentation" : "<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>
  @param currencyCode The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.
  @return Returns a reference to this object so that method calls can be chained together.
  @see CurrencyCodeValues*/",
  "fluentSetterMethodName" : "withCurrencyCode",
  "getterDocumentation" : "<p>The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.</p>
  @return The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.
  @see CurrencyCodeValues*/",
  "getterMethodName" : "getCurrencyCode",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null,
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CurrencyCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "currencyCode",
    "uri" : false,
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "CurrencyCode",
  "setterDocumentation" : "<p>The currency in which the <code>limitPrice</code> amount is specified. At
At this time, the only supported currency is `USD`.

```java
// Set the currency code
public ReservedInstanceLimitPrice setCurrencyCode(String currencyCode) {
    this.currencyCode = currencyCode;
    return this;
}
```

This method sets the currency code for the `ReservedInstanceLimitPrice` object. The `currencyCode` parameter is a `String` that represents the currency in which the limit price is specified. At this time, the only supported currency is `USD`. The method returns a reference to the current object so that method calls can be chained together.

```java
// Get the currency code
public String getCurrencyCode() {
    return currencyCode;
}
```

This method retrieves the currency code that was set using the `setCurrencyCode` method. The method returns the current currency code as a `String`. The currency code represents the currency in which the limit price is specified. At this time, the only supported currency is `USD`.
null,
"flatLevel": 0,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservationValue",
"setterDocumentation": "/**<p>The total value of the Convertible Reserved Instance that you are
exchanging.</p>*/
@param reservationValue The total value of the Convertible Reserved Instance that you are
exchanging.
:return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setReservationValue",
"setterModel": {
  "variableDeclarationType": "ReservationValue",
  "variableName": "reservationValue",
  "variableType": "ReservationValue",
  "documentation": "",
  "simpleType": "ReservationValue",
  "variableSetterType": "ReservationValue"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The total value of the Convertible Reserved Instance that you are
exchanging.</p>\n@n@param reservationValue The total value of the Convertible Reserved Instance that you are
exchanging.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "ReservationValue",
  "variableName": "reservationValue",
  "variableType": "ReservationValue",
  "documentation": "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>",
  "simpleType": "ReservationValue",
  "variableSetterType": "ReservationValue"
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"xmlNameSpaceUri": null
} },
"membersAsMap" : {
    "ReservationValue" : {
        "c2jName" : "ReservationValue",
        "c2jShape" : "ReservationValue",
        "deprecated" : false,
        "documentation" : "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>
@returns {ReservationValue} The total value of the Convertible Reserved Instance that you are exchanging.
@chainable Returns a reference to this object so that method calls can be chained together.
*/",
        "fluentSetterMethodName" : "withReservationValue",
        "getterDocumentation" : "/**<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>
@returns {ReservationValue} The total value of the Convertible Reserved Instance that you are exchanging.
*/",
        "getterMethodName" : "getReservationValue",
        "getterModel" : {
            "returnType" : "ReservationValue",
            "documentation" : null
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            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "reservationValue",
            "uri" : false
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        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "ReservationValue",
        "setterDocumentation" : "/**<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>
@returns {ReservationValue} The total value of the Convertible Reserved Instance that you are exchanging.
*/",
        "setterMethodName" : "setReservationValue",
        "setterModel" : {
            "variableDeclarationType" : "ReservationValue",
            "variableName" : "reservationValue",
            "variableType" : "ReservationValue",
            "documentation" : ""
        }
    }
}
"simpleType" : "ReservationValue",
"variableSetterType" : "ReservationValue"
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"simple" : false,
"varargSetterDocumentation" : "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>
@param reservationValue The total value of the Convertible Reserved Instance that you are exchanging.
@return Returns a reference to this object so that method calls can be chained together."/
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  "@return" Returns a reference to this object so that method calls can be chained together."
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    "documentation" : "<p>The total value of the Convertible Reserved Instance that you are exchanging.</p>
    
    "@return" Returns a reference to this object so that method calls can be chained together."
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
  
  "@return" Returns a reference to this object so that method calls can be chained together."
  "fluentSetterDocumentation" : "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
  
  "@return" Returns a reference to this object so that method calls can be chained together."
  "getterDocumentation" : "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>
  
  "@return" Returns a reference to this object so that method calls can be chained together."
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    "statusCode" : false,
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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\n@\n\n@param reservedInstanceId The ID of the Convertible Reserved Instance that you are exchanging.
\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "documentation" : "The ID of the Convertible Reserved Instance that you are exchanging.",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableType" : "ReservedInstanceReservationValue",
  "documentation" : null,
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  "variableSetterType" : "ReservedInstanceReservationValue"
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"wrapper" : false
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"skipGeneratingMarshaller" : false,
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"skipGeneratingUnmarshaller" : false
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"documentation" : "",
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"value" : "payment-pending"
}, {
"name" : "Active",
"value" : "active"
}, {
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"value" : "payment-failed"
}, {
"name" : "Retired",
"value" : "retired"
} ],
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"hasStreamingMember" : false,
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 "skipGeneratingUnmarshaller" : false
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 "deprecated" : false,
 "documentation" : "<p>Describes a Reserved Instance.</p>",
 "enums" : null,
 "errorCode" : null,
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 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [ {
 "c2jName" : "ReservedInstancesId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the Reserved Instance.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>\n@param reservedInstancesId
The ID of the Reserved Instance\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withReservedInstancesId",
 "getterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>\n@return The ID of the Reserved Instance.*/",
 "getterMethodName" : "getReservedInstancesId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
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"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
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  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "\nThe ID of the Reserved Instance.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see InstanceType*/",
  "xmlNameSpaceUri" : null
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  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "\nThe instance type on which the Reserved Instance can be used.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see InstanceType*/",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**\pnThe instance type on which the Reserved Instance can be used.\n@param instanceType The instance type on which the Reserved Instance can be used.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**\pnThe instance type on which the Reserved Instance can be used.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see InstanceType*/"}
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.<p>@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param instanceType The instance type on which the Reserved Instance can be used.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see InstanceType*/",
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  "variableType" : "String",
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName": "AvailabilityZone",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withAvailabilityZone",
"getterDocumentation": "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@return The Availability Zone in which the Reserved Instance can be used.*/",
"getterMethodName": "getAvailabilityZone",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AvailabilityZone",
"setterDocumentation": "/**<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used
@return The Availability Zone in which the Reserved Instance can be used.*/",
"setterMethodName": "setAvailabilityZone",
"setterModel": {
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"variableType": "String",
"documentation": ""
"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.</n>@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "DateTime",
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"documentation" : "<p>The date and time the Reserved Instance started.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>@param start The
date and time the Reserved Instance started.</n>@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withStart",
"getterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>@return The date and
time the Reserved Instance started.*/",
"getterMethodName" : "getStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\n@param start The date and time the Reserved Instance started.*/",
"setterMethodName" : "setStart",
"setterModel" : {
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    "variableType" : "java.util.Date",
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"c2jShape" : "DateTime",
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"documentation" : "<p>The time when the Reserved Instance expires.</p>
"enumType" : null,
"fluentSetterDocumentation" : "*/\n@param end The time when the Reserved Instance expires.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnd",
"getterDocumentation" : "*/\n@return The time when the Reserved Instance expires.*/",
"getterMethodName" : "getEnd",
"getterModel" : {
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    "documentation" : null
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    "mapModel" : null,
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    "setterModel" : {
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        "variableType" : "java.util.Date",
        "documentation" : "",
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        "variableSetterType" : "java.util.Date"    
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"uri" : false
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"map" : false,
"mapModel" : null,
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@param end The time when the Reserved Instance expires.*/",
"setterMethodName" : "setEnd",
"setterModel" : {
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  "variableType" : "java.util.Date",
  "documentation" : "",
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@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "end",
  "variableType" : "java.util.Date",
  "documentation" : "The time when the Reserved Instance expires.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
{ "c2jName" : "Duration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>@param duration The duration of the Reserved Instance, in seconds.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDuration",
"getterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>@return The duration of the Reserved Instance, in seconds.*/",
"getterMethodName" : "getDuration",
"getterModel" : {
'returnType' : "Long",
'documentation' : null
},
"http" : {
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'greedy' : false,
'header' : false,
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'unmarshallLocationName' : "duration",
'uri' : false
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'idempotencyToken' : false,
"list" : false,
"listModel" : null,
"map" : false,
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"setterMethodName" : "setDuration",
"setterModel" : {
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'variableType' : "Long",
'documentation' : "",
'simpleType' : "Long",
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method calls can be chained together.*/",
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    "variableType" : "Long",
    "documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
    "simpleType" : "Long",
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  },
  "xmlNameSpaceUri" : null
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  "c2jName" : "UsagePrice",
  "c2jShape" : "Float",
  "deprecated" : false,
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
  @param usagePrice The usage price of the Reserved Instance, per hour.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withUsagePrice",
  "getterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
  @return The usage price of the Reserved Instance, per hour.*/",
  "getterMethodName" : "getUsagePrice",
  "getterModel" : {
    "returnType" : "Float",
    "documentation" : null
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  "mapModel" : null,
  "name" : "UsagePrice"
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@param usagePrice The usage price of the Reserved Instance, per hour.*\"",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
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  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
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"varargSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*\"",
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  "variableDeclarationType" : "Float",
  "variableName" : "usagePrice",
  "variableType" : "Float",
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "FixedPrice",
"c2jShape" : "Float",
"deprecated" : false,
"documentation" : "<p>The purchase price of the Reserved Instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*\"",
"fluentSetterMethodName" : "withFixedPrice",
"getterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@return The purchase price of the Reserved Instance.*\"",
"getterMethodName" : "getFixedPrice",
"getterModel" : {
  "returnType" : "Float",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fixedPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.</*/",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.</*/",
"variable" : {
  "variableDeclarationType" : "Float",
  "variableName" : "fixedPrice",
  "variableType" : "Float",
  "documentation" : "<p>The purchase price of the Reserved Instance.</p>",
  "simpleType" : "Float",
  "variableSetterType" : "Float"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of reservations purchased.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of reservations purchased.</p>
@param instanceCount The number of reservations purchased.
@return Returns a reference to this object so that method calls can be chained together.</*/",
"fluentSetterMethodName" : "withInstanceCount"
"getterDocumentation" : "/**<p>The number of reservations purchased.</p><p>\n@return The number of reservations purchased.</p>*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of reservations purchased.</p><p>\n@param instanceCount The number of reservations purchased.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of reservations purchased.</p><p>\n@param instanceCount The number of reservations purchased.</p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of reservations purchased.</p>"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {  
"c2jName" : "State",
"c2jShape" : "ReservedInstanceState",
"deprecated" : false,
"documentation" : "<p>The state of the Reserved Instance purchase.</p>",
"enumType" : "ReservedInstanceState",
"fluentSetterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstanceState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@return The state of the Reserved Instance purchase.
@see ReservedInstanceState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/"
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n<p>The state of the Reserved Instance purchase.</p>\n@param state The state of the Reserved Instance purchase.\n@see ReservedInstanceState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The state of the Reserved Instance purchase.</p>\n@param state The state of the Reserved Instance purchase.\n@return Returns a reference to this object so that method calls can be chained together.\n@see ReservedInstanceState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the Reserved Instance purchase.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>Any tags assigned to the resource.</p>\n@param tags Any tags assigned to the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n<p>Any tags assigned to the resource.</p>\n@param tags Any tags assigned to the resource.\n@return Any tags assigned to the resource.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
};
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "TagSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "tagSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Tag",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@returns Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@returns\n*/",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Tag",
      "documentation": null
    }
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item"}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/"
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : ":",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n  * Any tags assigned to the resource.\n  *\n  * @param tags Any tags assigned to the resource.\n  * @return Returns a reference to this object so that method calls can be chained together.*\n  */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.\n  *\n  * @param tags Any tags assigned to the resource.\n  * @return Returns a reference to this object so that method calls can be chained together.*\n  */",
  "xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "The tenancy of the instance.\n  *\n  * @param instanceTenancy The tenancy of the instance.\n  * @return The tenancy of the instance.\n  * @see Tenancy*/",
"getterDocumentation" : "The tenancy of the instance.\n  *\n  * @return The tenancy of the instance.\n  * @see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>",
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>
@param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.
@returns a reference to this object so that method calls can be chained together.
@see CurrencyCode*/"
method calls can be chained together.\n@see CurrencyCodeValues*/

**getterName** = "getCurrencyCode",
**getterModel** : {
  returnType" : "String",
  documentation" : null
},
**http** : {
  additionalMarshallingPath" : null,
  additionalUnmarshallingPath" : null,
  flattened" : false,
  greedy" : false,
  header" : false,
  isPayload" : false,
  isStreaming" : false,
  location" : null,
  marshallLocationName" : "CurrencyCode",
  queryString" : false,
  statusCode" : false,
  unmarshallLocationName" : "currencyCode",
  uri" : false
},
**idempotencyToken" : false,
**list** : false,
**listModel** : null,
**map** : false,
**mapModel** : null,
**name" : "CurrencyCode",
**setterName** = "setCurrencyCode",
**setterModel" : {
  variableDeclarationType" : "String",
  variableName" : "currencyCode",
  variableType" : "String",
  documentation" : "",
  simpleType" : "String",
  variableSetterType" : "String"
},
**simple" : true,
**varargSetterName** = "/*/param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n@see CurrencyCodeValues*/

**setterMethodName" : "setCurrencyCode",
**setterModel" : {
  variableDeclarationType" : "String",
  variableName" : "currencyCode",
  variableType" : "String",
  documentation" : "",
  simpleType" : "String",
  variableSetterType" : "String"
},
**simple" : true,
**varargSetterDocumentation" = "/*/param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>."
currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.@return Returns a reference to this object so that method calls can be chained together.@see CurrencyCodeValues*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "OfferingType",
"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "The Reserved Instance offering type.

**<p>The Reserved Instance offering type.</p>**

@see OfferingTypeValues*/

"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "<p>The Reserved Instance offering type.</p>

@see OfferingTypeValues*/

"getterMethodName" : "getOfferingType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**\n@summary The Reserved Instance offering type.
@todo param offeringType The Reserved Instance offering type.\n@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@summary The Reserved Instance offering type.
@todo param offeringType The Reserved Instance offering type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingTypeValues*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "The Reserved Instance offering type.

  \n@see OfferingTypeValues",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargesList",
"deprecated" : false,
"documentation" : "The recurring charge tag assigned to the resource.\n@see OfferingTypeValues",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@summary The recurring charge tag assigned to the resource.\n@todo param recurringCharges The recurring charge tag assigned to the resource.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withRecurringCharges",
"getterDocumentation" : "/**\n@summary The recurring charge tag assigned to the resource.\n@see OfferingTypeValues*/",
"getterMethodName" : "getRecurringCharges",
"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "recurringCharges",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@method fluentSetterWithMember
@returns Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@returns *
@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "RecurringCharge",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "marshallLocationName" : "RecurringCharges",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "recurringCharges",
    "uri" : false
  }
}
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "RecurringCharge",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"name" : "RecurringCharges",
"setterDocumentation" : "/**\n@param recurringCharges The recurring charge tag assigned to the resource.*/",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName" : "recurringCharges"
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setRecurringCharges(java.util.Collection)] or [@link #withRecurringCharges(java.util.Collection)] if you want to override the existing values.</p>
@returns The recurring charge tag assigned to the resource.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "/p> The recurring charge tag assigned to the resource.</p>
",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>
",
  "xmlNameSpaceUri" : null
},
"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "<p>The offering class of the Reserved Instance.</p>
",
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@returns The offering class of the Reserved Instance.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@returns The offering class of the Reserved Instance.
@see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingClass",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringClass",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/*\n\n@ see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n\n@ see OfferingClassType*/",
"variable" : {
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  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "<p>The offering class of the Reserved Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Scope",
  "c2jShape" : "scope",
  "deprecated" : false,
  "documentation" : "<p>The scope of the Reserved Instance.</p>",
  "enumType" : "Scope",
  "fluentSetterDocumentation" : "/*\n\n@ see Scope*/",
  "fluentSetterMethodName" : "withScope",
  "getterDocumentation" : "/*\n\n@ see Scope*/",
  "getterMethodName" : "getScope",
  "getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Scope",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "scope",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Scope",
 "setterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>
 @param scope The scope of the Reserved Instance.\n @see Scope*/",
 "setterMethodName" : "setScope",
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "scope",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The scope of the Reserved Instance.</p>
 @param scope The scope of the Reserved Instance.\n @return Returns a reference to this object so that method calls can be chained together.\n @see Scope*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "scope",
 "variableType" : "String",
 "documentation" : "<p>The scope of the Reserved Instance.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "xmlNamespaceUri" : null
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CurrencyCode" : {
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n</p>
"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**\n<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n\n@return Returns a reference to this object so that method calls can be chained together.\n</p>
"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**\n<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n\n@return The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n\n@see CurrencyCodeValues*/",
"getterMethodName" : "getCurrencyCode",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "currencyCode",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**\n * The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n * @param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n */",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n * @param currencyCode The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n * @return Returns a reference to this object so that method calls can be chained together.\n */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.\n"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
"c2jName" : "Duration",
"c2jShape" : "Long",
"deprecated" : false,
"documentation" : "The duration of the Reserved Instance, in seconds.\n"enumType" : null,
**fluentSetterDocumentation**: "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.*"",

**fluentSetterMethodName**: "withDuration",

**getterDocumentation**: "/**<p>The duration of the Reserved Instance, in seconds.</p>
@return The duration of the Reserved Instance, in seconds.*",

**getterMethodName**: "getDuration",

**getterModel**: {
"returnType": "Long",
"documentation": null
},

**http**: {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Duration",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "duration",
"uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "Duration",

**setterDocumentation**: "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.*",

**setterMethodName**: "setDuration",

**setterModel**: {
"variableDeclarationType": "Long",
"variableName": "duration",
"variableType": "Long",
"documentation": "",
"simpleType": "Long",
"variableSetterType": "Long"
},

**simple**: true,

**varargSetterDocumentation**: "/**<p>The duration of the Reserved Instance, in seconds.</p>
@param duration The duration of the Reserved Instance, in seconds.
@return Returns a reference to this object so that method calls can be chained together.*",

**variable**: {
"variableDeclarationType" : "Long",
"variableName" : "duration",
"variableType" : "Long",
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
"simpleType" : "Long",
"variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"End" : {
"c2jName" : "End",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the Reserved Instance expires.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEnd",
"getterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@return The time when the Reserved Instance expires.*/",
"getterMethodName" : "getEnd",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "End",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "end",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "End",
"setterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/"}
when the Reserved Instance expires.*/

setterMethodName" : "setEnd",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "end",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the Reserved Instance expires.</p>
@param end The time when the Reserved Instance expires.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "end",
"variableType" : "java.util.Date",
"documentation" : "<p>The time when the Reserved Instance expires.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"FixedPrice" : {
"c2jName" : "FixedPrice",
"c2jShape" : "Float",
"deprecated" : false,
"documentation" : "<p>The purchase price of the Reserved Instance.</p>
"fluentSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFixedPrice",
"getterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>

http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"returnType" : "Float",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"fluentSetterMethodName": "withInstanceCount",
"getterDocumentation": "/**<p>The number of reservations purchased.</p><p>@return The number of reservations purchased.</p>*/",
"getterMethodName": "getInstanceCount",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceCount",
  "queryString": false,
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  "unmarshallLocationName": "instanceCount",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**<p>The number of reservations purchased.</p><p>@param instanceCount The number of reservations purchased.</p>*/",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of reservations purchased.</p><p>@param instanceCount The number of reservations purchased.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer"}
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@returns the tenancy of the instance.
@see Tenancy*/",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "<p>The tenancy of the instance.</p>
@returns the tenancy of the instance.
@see Tenancy*/",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"InstanceType" : {
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>
@returns the instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@returns the instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@returns the instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"marshallLocationName" : null,
"returnType" : "String",
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingClass" : {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "<p>The offering class of the Reserved Instance.</p>",
  "enumType" : "OfferingClassType",
  "fluentSetterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@param offeringClass The offering class of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
  "fluentSetterMethodName" : "withOfferingClass",
  "getterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@return The offering class of the Reserved Instance.
@see OfferingClassType*/",}
"getterMethodName" : "getOfferingClass",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingClass",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringClass",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@param offeringClass The offering class of the Reserved Instance.
@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The offering class of the Reserved Instance.</p>
@param offeringClass The offering class of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingClassType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "<p>The offering class of the Reserved Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"OfferingType" : {
  "c2jName" : "OfferingType",
  "c2jShape" : "OfferingTypeValues",
  "deprecated" : false,
  "documentation" : "<p>The Reserved Instance offering type.</p>",
  "enumType" : "OfferingTypeValues",
  "fluentSetterDocumentation" : "<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
  "fluentSetterMethodName" : "withOfferingType",
  "getterDocumentation" : "<p>The Reserved Instance offering type.</p>@return The Reserved Instance offering type.@see OfferingTypeValues*/",
  "getterMethodName" : "getOfferingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OfferingType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "OfferingType",
  "setterDocumentation" : "<p>The Reserved Instance offering type.</p>@param offeringType The Reserved Instance offering type.@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
  "setterMethodName" : "setOfferingType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "offeringType",
    "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*/p>The Reserved Instance offering type.
@returns\n\nRefers to this object so that method calls can be chained together.
\n\n@see\nOfferingTypeValues*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "offeringType",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance offering type.</p>
@returns\n\nRefers to this object so that method calls can be chained together.
\n\n@see\nOfferingTypeValues*/",
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance product platform description.</p>
@returns\n\nRefers to this object so that method calls can be chained together.
\n\n@see\nRIProductDescription*/",
"fluentSetterDocumentation" : "/*/p>The Reserved Instance product platform description.
@returns\n\nRefers to this object so that method calls can be chained together.
\n\n@see\nRIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/*/p>The Reserved Instance product platform description.
@returns\n\nRefers to this object so that method calls can be chained together.
\n\n@see\nRIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription"
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.<br/>
@see RIProductDescription*/",
"setterMethodName" : "setProductDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see RIProductDescription*/",
"varargSetterMethodName" : "withRecurringCharges",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance product platform description.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargesList",
  "deprecated" : false,
  "documentation" : "<p>The recurring charge tag assigned to the resource.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
  @return Returns a reference to this object so that method calls can be chained together.</p>
  @see RecurringCharge*/",
  "fluentSetterMethodName" : "withRecurringCharges",
  "getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
  @return The recurring charge tag assigned to the resource.</p>
  @see RecurringCharge*/",
  "getterMethodName" : "getRecurringCharges",
  "getterModel" : {
    "returnType" : "java.util.List<RecurringCharge>",
    "c2jName" : "RecurringCharge",
    "c2jShape" : "RecurringChargesList",
    "deprecated" : false,
    "documentation" : "<p>The recurring charge tag assigned to the resource.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
    @return Returns a reference to this object so that method calls can be chained together.</p>
    @see RecurringCharge*/",
    "fluentSetterMethodName" : "withRecurringCharge",
    "getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
    @return The recurring charge tag assigned to the resource.</p>
    @see RecurringCharge*/",
    "getterMethodName" : "getRecurringCharge",
    "getterModel" : {
      "returnType" : "java.lang.String",
      "c2jName" : "RecurringCharge",
      "c2jShape" : "RecurringChargesList",
      "deprecated" : false,
      "documentation" : "<p>The recurring charge tag assigned to the resource.</p>
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
      @return Returns a reference to this object so that method calls can be chained together.</p>
      @see RecurringCharge*/",
      "fluentSetterMethodName" : "withRecurringCharge",
      "getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
      @return The recurring charge tag assigned to the resource.</p>
      @see RecurringCharge*/",
      "getterMethodName" : "getRecurringCharge",
      "getterModel" : {
        "returnType" : "java.lang.String"}
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"xmlNameSpaceUri": null
],
"memberLocationName": "item",
"memberType": "RecurringCharge",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "RecurringCharge",
"templateImplType": "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType": "java.util.List<RecurringCharge>"
],
"map": false,
"mapModel": null,
"name": "RecurringCharges"
The recurring charge tag assigned to the resource.

```java
@Param recurringCharges The recurring charge tag assigned to the resource.
```

```java
@Override
public void setRecurringCharges(java.util.Collection<RecurringCharge> recurringCharges) {
    this.recurringCharges = recurringCharges;
}
```

```java
public java.util.List<RecurringCharge> getRecurringCharges() {
    return recurringCharges;
}
```

The ID of the Reserved Instance.

```java
@Param reservedInstancesId The ID of the Reserved Instance.
```

```java
@Override
public void setReservedInstancesId(String reservedInstancesId) {
    this.reservedInstancesId = reservedInstancesId;
}
```

```java
public String getReservedInstancesId() {
    return reservedInstancesId;
}
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"Scope" : {
  "c2jName" : "Scope",
  "c2jShape" : "scope",
  "deprecated" : false,
  "documentation" : "<p>The scope of the Reserved Instance.</p>",
  "enumType" : "Scope"}
**fluentSetterDocumentation** : /**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/

**fluentSetterMethodName** : "withScope",

**getterDocumentation** : /**<p>The scope of the Reserved Instance.</p>
@return The scope of the Reserved Instance.
@see Scope*/

**getterMethodName** : "getScope",

**getterModel** : {
  "returnType" : "String",
  "documentation" : null
},

**http** : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Scope",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "scope",
  "uri" : false
},

**idempotencyToken** : false,

**list** : false,

**listModel** : null,

**map** : false,

**mapModel** : null,

**name** : "Scope",

**setterDocumentation** : /**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the Reserved Instance.
@see Scope*/

**setterMethodName** : "setScope",

**setterModel** : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

**simple** : true,

**varargSetterDocumentation** : /**<p>The scope of the Reserved Instance.</p>
@param scope The scope of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/

**variable** : {


"variableDeclarationType" : "String",
"variableName" : "scope",
"variableType" : "String",
"documentation" : "<p>The scope of the Reserved Instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Start" : {
"c2jName" : "Start",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The date and time the Reserved Instance started.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start
The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStart",
"getterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@return The date and time the Reserved Instance started.*/",
"getterMethodName" : "getStart",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Start",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "start",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Start",
"setterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start
The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/"
and time the Reserved Instance started.*"},
  "setterMethodName" : "setStart",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "start",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The date and time the Reserved Instance started.</p>
@param start
The date and time the Reserved Instance started.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "start",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time the Reserved Instance started.</p>
",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
  },
  "xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "ReservedInstanceState",
  "deprecated" : false,
  "documentation" : "<p>The state of the Reserved Instance purchase.</p>
",
  "enumType" : "ReservedInstanceState",
  "fluent Setter Documentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstanceState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The state of the Reserved Instance purchase.</p>
@return The state of the Reserved Instance purchase.
@see ReservedInstanceState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**
<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@see ReservedInstanceState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The state of the Reserved Instance purchase.</p>
@param state The state of the Reserved Instance purchase.
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedInstanceState*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n<p>Any tags assigned to the resource.</p>\n\n@return Any tags assigned to the resource.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
    }
  }
}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/#\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/
@b>NOTE:@b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.@/b>*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
  "c2jName" : "UsagePrice",
  "c2jShape" : "Float",
  "deprecated" : false,
  "documentation" : "The usage price of the Reserved Instance, per hour.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.\n@return Returns a reference to this object so that method calls can be chained together.@/b>*/",
  "fluentSetterMethodName" : "withUsagePrice",
  "getterDocumentation" : "/**<p>The usage price of the Reserved Instance, per hour.</p>

"returnType" : "Float",
  "documentation" : null
}
The usage price of the Reserved Instance, per hour.

@param usagePrice The usage price of the Reserved Instance, per hour.

@return Returns a reference to this object so that method calls can be chained together.


"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstances",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedInstances",
  "variableName" : "reservedInstances",
  "variableType" : "ReservedInstances",
  "documentation" : null,
  "simpleType" : "ReservedInstances",
  "variableSetterType" : "ReservedInstances"
},
"wrapper" : false
},
"ReservedInstancesConfiguration" : {
  "c2jName" : "ReservedInstancesConfiguration",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the configuration settings for the modified Reserved Instances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "AvailabilityZone",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>",
      "fluentSetterMethodName" : "withAvailabilityZone",
      "getterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>",
      "getterMethodName" : "getAvailabilityZone",
      "marshaller" : null,
      "variableDeclarationType" : "AvailabilityZone",
      "variableName" : "availabilityZone",
      "variableType" : "AvailabilityZone",
      "documentation" : null,
      "simpleType" : "AvailabilityZone",
      "variableSetterType" : "AvailabilityZone"
    }
  ]
}
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\n<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.*\n@return

\n@returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.\n@return

\n@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : " <p>The Availability Zone for the modified Reserved Instances.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
{
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.",
"enumType" : null,
"fluentSetterDocumentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC."
@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

@return The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",

"setterDocumentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setPlatform",
"setterModel" : {
"variableDeclarationType" : "String"
"variableName" : "platform",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
 "variableDeclarationType" : "String",
"variableName" : "platform",
"variableType" : "String",
"documentation" : "<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of modified Reserved Instances.</p>
"@param instanceCount The number of modified Reserved Instances.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>\n@return The number of modified Reserved Instances.</p>*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceCount",
}
The number of modified Reserved Instances.

```java
public void setInstanceCount(Integer instanceCount) {
    // Setter implementation
}
```

The instance type for the modified Reserved Instances.

```java
public InstanceType withInstanceType(InstanceType instanceType) {
    // Fluent setter implementation
    return this;
}
```

Get the instance type for the modified Reserved Instances.

```java
public InstanceType getInstanceType() {
    // Getter implementation
    return instanceType;
}
```
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**
   * The instance type for the modified Reserved Instances.
   * @param instanceType The instance type for the modified Reserved Instances.
   * @see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
   * The instance type for the modified Reserved Instances.
   * @param instanceType The instance type for the modified Reserved Instances.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The instance type for the modified Reserved Instances.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"variableName" : "instanceType",
"variableType" : "String",
"doctype" : "text/html",
"html" : "<p>"
"xmlNameSpaceUri": null,
}, {
  "c2jName": "Scope",
  "c2jShape": "scope",
  "deprecated": false,
  "documentation": "<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>",
  "enumType": "Scope",
  "fluentSetterDocumentation": "/** <p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p> 
 @param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone. 
 @return Returns a reference to this object so that method calls can be chained together.
 @see Scope*/",
  "fluentSetterMethodName": "withScope",
  "getterDocumentation": "/** <p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p> 
 @return Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone. 
 @see Scope*/",
  "getterMethodName": "getScope",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Scope",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "scope",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Scope",
  "setterDocumentation": "/** <p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p> 
 @param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone. 
 @return Returns a reference to this object so that method calls can be chained together.
 @see Scope*/",
  "setterMethodName": "setScope",
  "setterModel": {
    "variableDeclarationType": "String",
  }
}
"variableName" : "scope",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "scope",
"variableType" : "String",
"documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the modified Reserved Instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
@see AvailabilityZone*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@return The Availability Zone for the modified Reserved Instances.
@see AvailabilityZone*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone for the modified Reserved Instances.</p>
@param availabilityZone The Availability Zone for the modified Reserved Instances.*///",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone for the modified Reserved
Instances.</p><p>@param availabilityZone The Availability Zone for the modified Reserved
Instances.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.*///",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the modified Reserved
Instances.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceCount" : {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of modified Reserved Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of modified Reserved Instances.</p><p>@param instanceCount The number of modified Reserved Instances.</p><p>@return Returns a reference to this object so that method calls can be chained together.*///",
  "fluentSetterMethodName" : "withInstanceCount",
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceCount",
  "setterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.*///",
  "setterMethodName" : "setInstanceCount",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The number of modified Reserved Instances.
Instances.</p><p>@param instanceCount The number of modified Reserved
Instances.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.*///",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "<p>The number of modified Reserved
Instances.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
}
"getterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
return The number of modified Reserved Instances.*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "InstanceCount",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "instanceCount",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "instanceCount",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of modified Reserved Instances.</p>
@param instanceCount The number of modified Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "instanceCount",
   "variableType" : "Integer",
   "documentation" : "<p>The number of modified Reserved Instances.</p>"
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The instance type for the modified Reserved Instances.
 *\n * @param instanceType The instance type for the modified Reserved Instances.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "The instance type for the modified Reserved Instances.
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Platform" : {
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
 *\n * @param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPlatform",
"getterDocumentation" : "/**\n * The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
 *\n * @return The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
 *\n * @see InstanceType*/",
"getterMethodName" : "getPlatform",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
**setterDocumentation**

```
/**
*p> The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

@param platform The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.

@return Returns a reference to this object so that method calls can be chained together.
*/
```

**variable**

```
/**
<p>The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.</p>

@varargSetterDocumentation

```

**xmlNameSpaceUri** : null

**Scope**

```
/**
<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>

@enumType
```


"fluentSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>\n@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.\n@see Scope*/",
"fluentSetterMethodName" : "withScope",
"getterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>\n@return Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.\n@see Scope*/",
"getterMethodName" : "getScope",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Scope",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scope",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>\n@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.\n@see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "scope",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.</p>\n@param scope Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.\n@see Scope*/"
instances in a specific Availability Zone.

@returns {ReservedInstancesId} Returns a reference to this object so that method calls can be chained together.

@see Scope*

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.

  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstancesConfiguration",

"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "ReservedInstancesConfiguration",
  "variableName" : "reservedInstancesConfiguration",
  "variableType" : "ReservedInstancesConfiguration",
  "documentation" : null,
  "complexType" : "ReservedInstancesConfiguration",
  "variableSetterType" : "ReservedInstancesConfiguration"
},

"wrapper" : false

"ReservedInstancesId" : {
  "c2jName" : "ReservedInstancesId",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the ID of a Reserved Instance.

  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "ReservedInstancesId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
  @param reservedInstancesId The ID of the Reserved Instance.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesId",
  "getterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
  @return The ID of the Reserved Instance.*/",
  "getterMethodName" : "getReservedInstancesId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ReservedInstancesId",
  "setterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
  @param reservedInstancesId The ID of the Reserved Instance.*/",
  "setterMethodName" : "setReservedInstancesId",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesId",
    "variableType" : "String",
    "documentation" : ""
  }
}]}
The ID of the Reserved Instance.

@returns Returns a reference to this object so that method calls can be chained together.

**variable**

```javascript
{　
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID of the Reserved Instance."
}
```

**varargSetterDocumentation**

```javascript
/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable**

```javascript
{　
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID of the Reserved Instance.

@returns Returns a reference to this object so that method calls can be chained together.*/
```

**varargSetterDocumentation**

```javascript
/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable**

```javascript
{　
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID of the Reserved Instance.

@returns Returns a reference to this object so that method calls can be chained together.*/
```

**varargSetterDocumentation**

```javascript
/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId
@return Returns a reference to this object so that method calls can be chained together.*/
```

**variable**

```javascript
{　
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "The ID of the Reserved Instance.

@returns Returns a reference to this object so that method calls can be chained together.*/
```

**varargSetterDocumentation**

```javascript
/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId
@return Returns a reference to this object so that method calls can be chained together.*/
```
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**
<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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"enums" : null,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing.*/",
"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
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  "variableName" : "reservedInstancesListingId",
  "variableType" : "String",
  "documentation" : 
  "<p>The ID of the Reserved Instance listing.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : 
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  "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the Reserved Instance.*/",
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  "variableSetterType" : "String"
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@param reservedInstancesListingId The ID of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.*/", Open Source Used In Virtualized Voice Browser 12.6(1) 25371
"getterModel" : {
  "returnType" : "String",
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  "uri" : false
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  "variableSetterType" : "String"
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"enumType" : null,
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"getterMethodName" : "getCreateDate",
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"documentation" : null
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"statusCode" : false,
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"variableName" : "createDate",
"variableType" : "java.util.Date",
"documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation": "<p>The time the listing was created.</p>",
  "simpleType": "Date",
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"c2jShape": "DateTime",
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"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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 "documentation" : "The status of the Reserved Instance listing.\n@see ListingStatus*/",
 "fluentSetterDocumentation" : "/**\n@see ListingStatus*/",
 "fluentSetterMethodName" : "withStatus",
 "getterDocumentation" : "/**\n@return The status of the Reserved Instance listing.\n@see ListingStatus*/",
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  "documentation" : null
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@param status The status of the Reserved Instance listing.
@see ListingStatus*/",
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  "variableSetterType": "String"
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@param status The status of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.
@see ListingStatus*/",
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  "variableSetterType": "String"
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"enumType": null,
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"getterMethodName": "getStatusMessage",
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"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"simple": true,
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response can be blank.\n\n@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
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        "variableType" : "String",  
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    "variableType" : "String"  
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    "c2jShape" : "InstanceCountList",  
    "deprecated" : false,  
    "documentation" : "The number of instances in this state.\n\n@param instanceCounts The number of instances in this state.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
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    "enumType" : null,  
    "fluentSetterDocumentation" : "The number of instances in this state.\n\n@param instanceCounts The number of instances in this state.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
    "getterDocumentation" : "The number of instances in this state.\n\n@param instanceCounts The number of instances in this state.\n@return Returns a reference to this object so that method calls can be chained together.*/
    
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        "greedy" : false,  
        "header" : false,  
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        "isStreaming" : false,  
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        "queryString" : false,  
        "statusCode" : false,  
        "unmarshallLocationName" : "instanceCounts",  
        "uri" : false  
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    "list" : true,  
    "listModel" : {  
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  "c2jShape" : "InstanceCount",
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  "documentation" : "",
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   * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n   * @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "InstanceCount",
    "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
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  "uri" : false
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"map" : false,
"mapModel" : null,
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"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "InstanceCount",
  "documentation" : "",
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
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  "variableName": "member",
  "variableType": "InstanceCount",
  "documentation": "",
  "simpleType": "InstanceCount",
  "variableSetterType": "InstanceCount"
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"memberType": "InstanceCount",
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"simple": false,
"simpleType": "InstanceCount",
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"templateType": "java.util.List<InstanceCount>",
"map": false,
"mapModel": null,
"name": "InstanceCounts",
"setterDocumentation": "/**\n<p>The number of instances in this state.</p>
@param instanceCounts The number of instances in this state.*/",
"setterMethodName": "setInstanceCounts",
"setterModel": {
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  "variableName": "instanceCounts",
  "variableType": "java.util.List<InstanceCount>",
  "documentation": "",
  "simpleType": "List<InstanceCount>",
  "variableSetterType": "java.util.Collection<InstanceCount>"
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"simple": false,
"varargSetterDocumentation": "/**\n<p>The number of instances in this state.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceCounts(java.util.Collection)} or
{@link #withInstanceCounts(java.util.Collection)} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "instanceCounts",
  "variableType": "java.util.List<InstanceCount>",
  "documentation": "",
  "simpleType": "List<InstanceCount>",
  "variableSetterType": "java.util.Collection<InstanceCount>"
"variableType" : "java.util.List<InstanceCount>",
"documentation" : "<p>The number of instances in this state.</p>",
"simpleType" : "List<InstanceCount>",
"variableSetterType" : "java.util.Collection<InstanceCount>"
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"c2jName" : "PriceSchedules",
"c2jShape" : "PriceScheduleList",
"deprecated" : false,
"documentation" : "<p>The price of the Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
 * The price of the Reserved Instance listing.</p>
 * @param priceSchedules The price of the Reserved Instance listing.
 * @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withPriceSchedules",
"getterDocumentation" : "/**
 * The price of the Reserved Instance listing.
 * @return The price of the Reserved Instance listing.*/",
"getterMethodName" : "getPriceSchedules",
"getterModel" : {
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    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "unmarshallLocationName" : "priceSchedules",
    "uri" : false
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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "c2jShape" : "PriceSchedule",
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "uri" : false
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"setterModel" : {
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  "variableSetterType" : "PriceSchedule"
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "PriceSchedule"}
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"variableSetterType" : "PriceSchedule"
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"templateType" : "java.util.List<PriceSchedule>",
"map" : false,
"mapModel" : null,
"name" : "PriceSchedules",
"setterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@param priceSchedules The price of the Reserved Instance listing.*/",
"setterMethodName" : "setPriceSchedules",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
  "variableName" : "priceSchedules",
  "variableType" : "java.util.List<PriceSchedule>",
  "documentation" : "",
  "simpleType" : "List<PriceSchedule>",
  "variableSetterType" : "java.util.Collection<PriceSchedule>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The price of the Reserved Instance listing.</p>
@param priceSchedules The price of the Reserved Instance listing.*/",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PriceSchedule>",
  "variableName" : "priceSchedules",
  "variableType" : "java.util.List<PriceSchedule>",
  "documentation" : "<p>The price of the Reserved Instance listing.</p>",
  "simpleType" : "List<PriceSchedule>",
  "variableSetterType" : "java.util.Collection<PriceSchedule>"
},
"xmlNameSpaceUri" : null
},
}
"documentation": null,
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "item",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setItem",
"setterModel": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "Tag",
    "variableName": "member",
    "variableType": "Tag",
    "documentation": "",
    "simpleType": "Tag",
    "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link \#setTags(java.util.Collection) \} or \{ @link \#withTags(java.util.Collection) \} if you want to override the existing values.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the
request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;&lt;p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;&lt;h4&gt;Return&lt;/h4&gt;Returns a reference to this object so that method calls can be chained together.*\/&quot;

"getterMethodName" : "getClientToken",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "clientToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "clientToken",
 "uri" : false
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",

"setterDocumentation" : "/**&lt;p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;\*/",

"setterMethodName" : "setClientToken",

"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**&lt;p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;\*/",

"getterMethodName" : "getClientToken",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "clientToken",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "clientToken",
 "uri" : false
 },

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",

"setterDocumentation" : "/**&lt;p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;\*/",

"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together. */",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request
is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>@return A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/

getterMethodName" : "getClientToken",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "clientToken",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.*/

setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simple": true,
"varargSetterDocumentation": "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;\n@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "clientToken",
"variableType": "String",
"documentation": "&lt;p&gt;A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a&gt;.&lt;/p&gt;",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"CreateDate": {
"c2jName": "CreateDate",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "&lt;p&gt;The time the listing was created.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The time the listing was created.&lt;/p&gt;\n@param createDate The time the listing was created.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCreateDate",
"getterDocumentation": "/**&lt;p&gt;The time the listing was created.&lt;/p&gt;\n@return The time the listing was created.&lt;/p&gt;\n@return The time the listing was created.&lt;/p&gt;",
"getterMethodName": "getCreateDate",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CreateDate",
"queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "createDate",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time the
listing was created.*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time the listing was created.</p>
@param createDate The time
the listing was created.</param>\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "The time the listing was created.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"InstanceCounts" : {
  "c2jName" : "InstanceCounts",
  "c2jShape" : "InstanceCountList",
  "deprecated" : false,
  "documentation" : "The number of instances in this state.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances in this state.</p>
@param instanceCounts
The number of instances in this state.</param>\n@return Returns a reference to this object so that method calls can be
chained together.*/",
  "fluentSetterMethodName" : "withInstanceCounts",
  "getterDocumentation" : "/**<p>The number of instances in this state.</p>
@param instanceCounts
The number of instances in this state.</param>\n@return The number of instances in this state.",
  "getMethodName" : "getInstanceCounts",
  "getterModel" : {

"returnType" : "java.util.List<InstanceCount>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceCounts",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceCounts",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceCount",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
   * @param member
   * @return Returns a reference to this object so that
   * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n   * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceCount",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "instanceCounts",
      "uri" : false
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceCount",
  "variableName" : "member",
  "variableType" : "InstanceCount",
  "documentation" : "",
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceCount",
  "variableName" : "member",
  "variableType" : "InstanceCount",
  "documentation" : "",
  "simpleType" : "InstanceCount",
  "variableSetterType" : "InstanceCount"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "InstanceCount",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceCount",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceCount>",
"templateType" : "java.util.List<InstanceCount>"
],
"map" : false,
"mapModel" : null,
"name": "InstanceCounts",
"setterDocumentation": "/**<p>The number of instances in this state.</p>@param instanceCounts The number of instances in this state.</p>*/",
"setterMethodName": "setInstanceCounts",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceCount>",
  "variableName": "instanceCounts",
  "variableType": "java.util.List<InstanceCount>",
  "documentation": "",
  "simpleType": "List<InstanceCount>",
  "variableSetterType": "java.util.Collection<InstanceCount>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The number of instances in this state.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setInstanceCounts(java.util.Collection)] or [@link #withInstanceCounts(java.util.Collection)] if you want to override the existing values.</p>@param instanceCounts The number of instances in this state.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceCount>",
  "variableName": "instanceCounts",
  "variableType": "java.util.List<InstanceCount>",
  "documentation": "The number of instances in this state.",
  "simpleType": "List<InstanceCount>",
  "variableSetterType": "java.util.Collection<InstanceCount>"
},
"xmlNameSpaceUri": null
},
"PriceSchedules": {
  "c2jName": "PriceSchedules",
  "c2jShape": "PriceScheduleList",
  "deprecated": false,
  "documentation": "The price of the Reserved Instance listing.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The price of the Reserved Instance listing.</p>@param priceSchedules The price of the Reserved Instance listing.\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName": "withPriceSchedules",
  "getterDocumentation": "/**<p>The price of the Reserved Instance listing.</p>@return The price of the Reserved Instance listing.</p>*/",
  "getterMethodName": "getPriceSchedules",
  "getterModel": {
    "returnType": "java.util.List<PriceSchedule>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
This method appends the values to the existing list (if any). Use {@link #setPriceSchedules(java.util.Collection)} or {@link #withPriceSchedules(java.util.Collection)} if you want to override the existing values.

```
@parameter
public void setPriceSchedules(List<PriceSchedule> priceSchedules)
```

The price of the Reserved Instance listing.

```
@returns
public ReservedInstances returns
```

```
@returns
public String getReservedInstancesId
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

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public String getReservedInstancesId()
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public String getReservedInstancesId()
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public String getReservedInstancesId()
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@returns
public String getReservedInstancesId()
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public String getReservedInstancesId()
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The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
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The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
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The ID of the Reserved Instance.

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@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
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The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

```
@returns
public String getReservedInstancesId()
```

The ID of the Reserved Instance.

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"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance.*/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance.</p>
@param reservedInstancesId The ID of the Reserved Instance. Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedInstancesId",
"variableType" : "String",
"documentation" : "<p>The ID of the Reserved Instance.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedInstancesListingId" : {
"c2jName" : "ReservedInstancesListingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance listing.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param reservedInstancesListingId The ID of the Reserved Instance listing. Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesListingId",
"getterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@return The ID of the

Reserved Instance listing.*/*

"getterMethodName" : "getReservedInstancesListingId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesListingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesListingId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesListingId",
"setterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param
reservedInstancesListingId The ID of the Reserved Instance listing.*/

reservedInstancesListingId The ID of the Reserved Instance listing.*/*

"setterMethodName" : "setReservedInstancesListingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesListingId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance listing.</p>
@param
reservedInstancesListingId The ID of the Reserved Instance listing.*/*\n@return Returns a reference to this object so that method calls can be chained together.*/

reservedInstancesListingId The ID of the Reserved Instance listing.*/*

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedInstancesListingId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "simpleType" : "String"
}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "ListingStatus",
  "deprecated" : false,
  "documentation" : '<p>The status of the Reserved Instance listing.</p>',
  "enumType" : "ListingStatus",
@see ListingStatus*
  "fluentSetterMethodName" : "withStatus",
  "getterDocumentation" : '
  The status of the Reserved Instance listing.
@see ListingStatus*
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "status",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Status",
  "setterDocumentation" : 'The status of the Reserved Instance listing.
@see ListingStatus*
  "setterMethodName" : "setStatus",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
  },
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "ListingStatus",
  "deprecated" : false,
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the Reserved Instance listing.</p>
@param status The status of the Reserved Instance listing.
@return Returns a reference to this object so that method calls can be chained together.
@see ListingStatus*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "status",
 "variableType" : "String",
 "documentation" : "<p>The status of the Reserved Instance listing.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
 "c2jName" : "StatusMessage",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>
@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withStatusMessage",
 "getterDocumentation" : ""/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>
@return The reason for the current status of the Reserved Instance listing. The response can be blank.
*/",
 "getterMethodName" : "getStatusMessage",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
"marshallLocationName": "StatusMessage",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "statusMessage",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StatusMessage",
"setterDocumentation": "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>\n@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.*/",
"setterMethodName": "setStatusMessage",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "statusMessage",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>\n@param statusMessage The reason for the current status of the Reserved Instance listing. The response can be blank.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "statusMessage",
  "variableType": "String",
  "documentation": "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Tags": {
  "c2jName": "Tags",
  "c2jShape": "TagList",
  "deprecated": false,
  "documentation": "<p>Any tags assigned to the resource.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>Any tags assigned to the resource.</p>\n@param tags Any tags assigned to the resource.\n@return Returns a reference to this object so that method calls can be chained
**getterDocumentation** : 

/**
 * Any tags assigned to the resource.
 */

**getterMethodName** : "getTags",

**getterModel** : 

"returnType" : "java.util.List<Tag",

"documentation" : null

},

**http** : 

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "TagSet",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "tagSet",

"uri" : false

},

"idempotencyToken" : false,

"list" : true,

"listModel" : 

"implType" : "com.amazonaws.internal.SdkInternalList",

"interfaceType" : "java.util.List",

"listMemberModel" : 

"c2jName" : "member",

"c2jShape" : "Tag",

"deprecated" : false,

"documentation" : "",

"enumType" : null,

"fluentSetterDocumentation" : 

/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"fluentSetterMethodName" : "withMember",

"getterDocumentation" : 

/**
 * @return 
 */

"getterMethodName" : "getMember",

"getterModel" : 

"returnType" : "Tag",

"documentation" : null

},

"http" : 

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>
",
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "<p>Any tags assigned to the resource.</p>",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
"UpdateDate": {
  "c2jName": "UpdateDate",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The last modified timestamp of the listing.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The last modified timestamp of the listing.</p>
@param updateDate The last modified timestamp of the listing.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUpdateDate",
  "getterDocumentation": "/**<p>The last modified timestamp of the listing.</p>
@return The last modified timestamp of the listing.*/",
  "getterMethodName": "getUpdateDate",
  "getterModel": {
    "returnType": "java.util.Date",
    "simple": false
  }
}
"
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedInstancesListing",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedInstancesListing",
  "variableName" : "reservedInstancesListing",
  "variableType" : "ReservedInstancesListing",
  "documentation" : null,
  "simpleType" : "ReservedInstancesListing",
  "variableSetterType" : "ReservedInstancesListing"
},
"wrapper" : false
},
"ReservedInstancesModification" : {
  "c2jName" : "ReservedInstancesModification",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Reserved Instance modification.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ReservedInstancesModificationId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/** <p>A unique ID for the Reserved Instance modification.</p>
    @param reservedInstancesModificationId A unique ID for the Reserved Instance modification.
    @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withReservedInstancesModificationId",
      "getterDocumentation" : "/** <p>A unique ID for the Reserved Instance modification.</p>
    @return A unique ID for the Reserved Instance modification.*/",
  ],
"xmlNameSpaceUri" : null,

"c2jName" : "ReservedInstancesIds",
"c2jShape" : "ReservedInstancesIds",
"deprecated" : false,
"documentation" : "The IDs of one or more Reserved Instances.",
"enumType" : null,
"fluentSetterDocumentation" : "The IDs of one or more Reserved Instances.
@param reservedInstancesIds The IDs of one or more Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withReservedInstancesIds",
"getterDocumentation" : "The IDs of one or more Reserved Instances.
@return The IDs of one or more Reserved Instances.
",
"getterMethodName" : "getReservedInstancesIds",
"getterModel" : {
  "returnType" : "java.util.List<ReservedInstancesId>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservedInstancesSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservedInstancesSet",
  "uri" : false
},

"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "The member.
@param member Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withMember",
  }
}
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "ReservedInstancesId",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedInstancesId",
  "variableName": "member",
  "variableType": "ReservedInstancesId",
  "documentation": "",
  "simpleType": "ReservedInstancesId",
  "variableSetterType": "ReservedInstancesId"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ReservedInstancesId",
  "variableName": "member",
  "variableType": "ReservedInstancesId",
  "documentation": "",
  "simpleType": "ReservedInstancesId",
  "variableSetterType": "ReservedInstancesId"
}. 
"xmlNameSpaceUri" : null,
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesId",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"templateType" : "java.util.List<ReservedInstancesId>",
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p>@param
reservedInstancesIds The IDs of one or more Reserved Instances.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<ReservedInstancesId>",
"documentation" : "",
"simpleType" : "List<ReservedInstancesId>",
"variableSetterType" : "java.util.Collection<ReservedInstancesId>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p><b>NOTE:</b><p>[
This method appends the values to the existing list (if any). Use [@link
#setReservedInstancesIds(java.util.Collection)] or [@link
#withReservedInstancesIds(java.util.Collection)] if you want to override the existing values.</p>@param reservedInstancesIds The IDs of one or more Reserved Instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"variableName" : "reservedInstancesIds",
"variableType" : "java.util.List<ReservedInstancesId>",
"documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
"simpleType" : "List<ReservedInstancesId>",
"variableSetterType" : "java.util.Collection<ReservedInstancesId>"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "ModificationResults",
"c2jShape" : "ReservedInstancesModificationResultList",
"deprecated" : false,
"documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance
Reserved Instance IDs.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withModificationResults",
"getterDocumentation" : "/**
Contains target configurations along with their corresponding new Reserved Instance IDs.

@return Contains target configurations along with their corresponding new Reserved Instance IDs.

"getterMethodName" : "getModificationResults",

"getterModel" : {
"returnType" : "java.util.List<ReservedInstancesModificationResult>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ModificationResultSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "modificationResultSet",
"uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ReservedInstancesModificationResult",
"deprecated" : false,
"documentation" : ",",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */

"getterMethodName" : "getMember",

"getterModel" : {
"returnType" : "ReservedInstancesModificationResult",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModificationResult",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
"templateType" : "java.util.List<ReservedInstancesModificationResult>
",
"map" : false,
"mapModel" : null,
"name" : "ModificationResults",
"setterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.*/",
"setterMethodName" : "setModificationResults",
"setterModel" : {
  "variableDeclarationType" : 
  "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
  "variableName" : "modificationResults",
  "variableType" : "java.util.List<ReservedInstancesModificationResult>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesModificationResult>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [{@link #setModificationResults(java.util.Collection)} or {@link #withModificationResults(java.util.Collection)} if you want to override the existing values.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : 
    "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
    "variableName" : "modificationResults",
    "variableType" : "java.util.List<ReservedInstancesModificationResult>",
    "documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
    "simpleType" : "List<ReservedInstancesModificationResult>",
    "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>
",
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "CreateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the modification request was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the modification request was created.</p><p>@param createDate The time when the modification request was created.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withCreateDate",
"getterDocumentation" : "/**<p>The time when the modification request was created.</p><p>@return The time when the modification request was created.</p>*/",
"getterMethodName" : "getCreateDate",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createDate",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**<p>The time when the modification request was created.</p><p>@param createDate The time when the modification request was created.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the modification request was created.</p><p>@param createDate The time when the modification request was created.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/"
method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time when the modification request was created.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}
,"xmlNameSpaceUri" : null
},
"c2jName" : "UpdateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the modification request was last updated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param
updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateDate",
"getterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@return The time when the modification request was last updated.*/",
"getterMethodName" : "getUpdateDate",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UpdateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "updateDate",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateDate"
"setterDocumentation" : "/**\n * The time when the modification request was last updated.
 * @param updateDate The time when the modification request was last updated.
 */",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
   "variableDeclarationType" : "java.util.Date",
   "variableName" : "updateDate",
   "variableType" : "java.util.Date",
   "documentation" : "",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The time when the modification request was last updated.
 */\n @param updateDate The time when the modification request was last updated.
 @return Returns a reference to this object so that method calls can be chained together.
",
"variable" : {
   "variableDeclarationType" : "java.util.Date",
   "variableName" : "updateDate",
   "variableType" : "java.util.Date",
   "documentation" : "The time when the modification request was last updated",
   "simpleType" : "Date",
   "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "EffectiveDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The time for the modification to become effective.

@constructor
@method withEffectiveDate

@returns {date} Returns a reference to this object so that method calls can be chained together.
",
"fluuentSetterDocumentation" : "/**\n * The time for the modification to become effective.
 */\n @param effectiveDate The time for the modification to become effective.
 @return Returns a reference to this object so that method calls can be chained together.
",
"fluuentSetterMethodName" : "withEffectiveDate",
"getterDocumentation" : "/**\n * The time for the modification to become effective.
 */\n @returns {date} The time for the modification to become effective.
",
"getterMethodName" : "getEffectiveDate",
"getterModel" : {
   "returnType" : "java.util.Date",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EffectiveDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "effectiveDate",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EffectiveDate",
"setterDocumentation" : "/**<p>The time for the modification to become effective.</p>
@param effectiveDate The time for the modification to become effective.*#/",
"setterMethodName" : "setEffectiveDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "effectiveDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time for the modification to become effective.</p>
@param effectiveDate The time for the modification to become effective.
@return Returns a reference to this object so that method calls can be chained together.*#/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "effectiveDate",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time for the modification to become effective.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status of the Reserved Instances modification request.</p>",
"enumType" : null,
"fluentlySetterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@returns a reference to this object so that method calls can be chained together.*#/",
"fluentlySetterMethodName" : "withStatus"
"getterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @return The status of the Reserved Instances modification request. */",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @param status The status of the Reserved Instances modification request. */",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @param status The status of the Reserved Instances modification request.
* Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The status of the Reserved Instances modification request.</p>",
  "getterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @return The status of the Reserved Instances modification request. */",
  "getterMethodName" : "getStatus",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : false,
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "status",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Status",
  "setterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @param status The status of the Reserved Instances modification request. */",
  "setterMethodName" : "setStatus",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**\n* The status of the Reserved Instances modification request.
* \n* @param status The status of the Reserved Instances modification request.
* Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "status",
    "variableType" : "String",
    "documentation" : "<p>The status of the Reserved Instances modification request.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The reason for the status.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/**<p>The reason for the status.</p>
@return The reason for the status.*/",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StatusMessage",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : ""
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>/</p>\n@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>/*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>/</p>\n@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>/\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>/"
Idempotency&lt;/a&gt;&lt;/p&gt;
A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;

"enumType" : null,
"fluentSetterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;\n@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\n
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;\n@return A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;\n
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CreateDate" : {
"c2jName" : "CreateDate"
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the modification request was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the modification request was created.</p>
@param createDate The time when the modification request was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateDate",
"getterDocumentation" : "/**<p>The time when the modification request was created.</p>

@return The time when the modification request was created.*/",
"getterMethodName" : "getCreateDate",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CreateDate",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "createDate",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**<p>The time when the modification request was created.</p>

@param createDate The time when the modification request was created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
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    "variableName" : "createDate",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"simple" : true,
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 "variableName" : "createDate",
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 "documentation" : "The time when the modification request was created.",
 "simpleType" : "Date",
 "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"EffectiveDate" : {
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 "c2jShape" : "DateTime",
 "deprecated" : false,
 "documentation" : "The time for the modification to become effective.",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * The time for the modification to become effective.\n */",
 "fluentSetterMethodName" : "withEffectiveDate",
 "getterDocumentation" : "/**\n * The time for the modification to become effective.\n */",
 "getterMethodName" : "getEffectiveDate",
 "getterModel" : {
 "returnType" : "java.util.Date",
 "documentation" : null
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 "uri" : false
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"setterDocumentation" : "/**<p>The time for the modification to become effective.</p>
@param effectiveDate The time for the modification to become effective.</p>*/",
"setterMethodName" : "setEffectiveDate",
"setterModel" : {
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  "variableName" : "effectiveDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The time for the modification to become effective.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
},
"ModificationResults" : {
  "c2jName" : "ModificationResults",
  "c2jShape" : "ReservedInstancesModificationResultList",
  "deprecated" : false,
  "documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
  "enumType" : null,
  "flucentSetterDocumentation" : "*/p>\n@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "flucentSetterMethodName" : "withModificationResults",
  "getterDocumentation" : "*/p>\n@return Contains target configurations along with their corresponding new Reserved Instance IDs.</p>German
  "getterMethodName" : "getModificationResults",
  "getterModel" : {
    "returnType" : "java.util.List<ReservedInstancesModificationResult>",
    "documentation" : null
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  "greedy": false,
  "header": false,
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  "unmarshallLocationName": "modificationResultSet",
  "uri": false
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ReservedInstancesModificationResult",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
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* method calls can be chained together.*/",
    "fluentSettermethodName": "withMember",
    "getterDocumentation": "/**\n* return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ReservedInstancesModificationResult",
      "documentation": null
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
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  }
}
"uri" : false,
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"mapModel" : null,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "ReservedInstancesModificationResult",
  "documentation" : "",
  "simpleType" : "ReservedInstancesModificationResult",
  "variableSetterType" : "ReservedInstancesModificationResult"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "ReservedInstancesModificationResult",
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  "variableSetterType" : "ReservedInstancesModificationResult"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
"memberType" : "ReservedInstancesModificationResult",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesModificationResult",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
"templateType" : "java.util.List<ReservedInstancesModificationResult>"
},
"map" : false,
"mapModel" : null,
"name" : "ModificationResults",
"setterDocumentation" : "/**<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>
@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.</param>"
Reserved Instance IDs.*"",
  "setterMethodName" : "setModificationResults",
  "setterModel" : {
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    "com.amazonaws.internal.SdkInternalList<ReservedInstancesModificationResult>",
    "variableName" : "modificationResults",
    "variableType" : "java.util.List<ReservedInstancesModificationResult>",
    "documentation" : "",
    "simpleType" : "List<ReservedInstancesModificationResult>",
    "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>",
  },
  "simple" : false,
  "varargSetterDocumentation" : "\*\*<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p><p>NOTE: This method appends the values to the existing list (if any). Use { @link #setModificationResults(java.util.Collection) } or { @link #withModificationResults(java.util.Collection) } if you want to override the existing values.</p><@param modificationResults Contains target configurations along with their corresponding new Reserved Instance IDs.</@return Returns a reference to this object so that method calls can be chained together.*"",
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    "variableName" : "modificationResults",
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    "documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
    "simpleType" : "List<ReservedInstancesModificationResult>",
    "variableSetterType" : "java.util.Collection<ReservedInstancesModificationResult>",
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  "xmlNameSpaceUri" : null,
},
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  "c2jShape" : "ReservedInstancesIds",
  "deprecated" : false,
  "documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\*\*<p>The IDs of one or more Reserved Instances.</p><@param reservedInstancesIds The IDs of one or more Reserved Instances.</@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withReservedInstancesIds",
  "getterDocumentation" : "\*\*<p>The IDs of one or more Reserved Instances.</p><@return The IDs of one or more Reserved Instances.*"",
  "getMethodName" : "getReservedInstancesIds",
  "getterModel" : {
    "returnType" : "java.util.List<ReservedInstancesId>",
    "documentation" : null
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  "http" : {
  "c2jName" : "ReservedInstancesIds",
  "c2jShape" : "ReservedInstancesIds",
  "deprecated" : false,
  "documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\*\*<p>The IDs of one or more Reserved Instances.</p><@param reservedInstancesIds The IDs of one or more Reserved Instances.</@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withReservedInstancesIds",
  "getterDocumentation" : "\*\*<p>The IDs of one or more Reserved Instances.</p><@return The IDs of one or more Reserved Instances.*"",}
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"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesSet",
"uri" : false
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"idempotencyToken" : false,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ReservedInstancesId",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
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    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ReservedInstancesId",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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"simpleType" : "ReservedInstancesId",
"variableSetterType" : "ReservedInstancesId"
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"simple" : false,
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"variable" : {
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"variableName" : "member",
"variableType" : "ReservedInstancesId",
"documentation" : "",
"simpleType" : "ReservedInstancesId",
"variableSetterType" : "ReservedInstancesId"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "ReservedInstancesId",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ReservedInstancesId",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
"templateType" : "java.util.List<ReservedInstancesId>"
},
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesIds",
"setterDocumentation" : "/**\n@param reservedInstancesIds The IDs of one or more Reserved Instances.*/",
"setterMethodName" : "setReservedInstancesIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ReservedInstancesId>",
  "variableName" : "reservedInstancesIds",
  "variableType" : "java.util.List<ReservedInstancesId>",
  "documentation" : "",
  "simpleType" : "List<ReservedInstancesId>",
  "variableSetterType" : "java.util.Collection<ReservedInstancesId>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more Reserved Instances.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setReservedInstancesIds(java.util.Collection)} or {@link #withReservedInstancesIds(java.util.Collection)} if you want to override the existing values.</p><p>@param reservedInstancesIds The IDs of one or more Reserved Instances.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
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    "variableName" : "reservedInstancesIds",
    "variableType" : "java.util.List<ReservedInstancesId>",
    "documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
    "simpleType" : "List<ReservedInstancesId>",
    "variableSetterType" : "java.util.Collection<ReservedInstancesId>"
  },
  "xmlNameSpaceUri" : null
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"ReservedInstancesModificationId" : {
  "c2jName" : "ReservedInstancesModificationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p><p>@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesModificationId",
  "getterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p><p>@return A unique ID for the Reserved Instance modification.</p>*/",
  "getterMethodName" : "getReservedInstancesModificationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesModificationId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesModificationId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesModificationId",
"setterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>
@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.*/",
"setterMethodName" : "setReservedInstancesModificationId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A unique ID for the Reserved Instance modification.</p>
@param reservedInstancesModificationId A unique ID for the Reserved Instance modification.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesModificationId",
  "variableType" : "String",
  "documentation" : "A unique ID for the Reserved Instance modification.<p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"status" : {
  "c2jName" : "Status",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The status of the Reserved Instances modification request.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The status of the Reserved Instances modification request.*/
"return Returns a reference to this object so that method calls can be chained together.*/".
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@return The status of the Reserved Instances modification request.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "unmarshallLocationName" : "status",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the Reserved Instances modification request.</p>
@param status The status of the Reserved Instances modification request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"documentation" : "The status of the Reserved Instances modification request.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"StatusMessage" : {
"c2jName" : "StatusMessage",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The reason for the status.",
"enumType" : null,
"fluentSetterDocumentation" : "The reason for the status.\n@return Returns a reference to this object so that method calls can be chained together.*\n",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "The reason for the status.\n@return The reason for the status.*\n",
"getterMethodName" : "getStatusMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "statusMessage",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "The reason for the status.\n@\n@param statusMessage The reason for the status.*\n",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason for the status.</p>
@param statusMessage The reason for the status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "statusMessage",
"variableType" : "String",
"documentation" : "<p>The reason for the status.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpdateDate" : {
"c2jName" : "UpdateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time when the modification request was last updated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUpdateDate",
"getterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@return The time when the modification request was last updated.*/",
"getterMethodName" : "getUpdateDate",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "updateDate",
"xmlNameSpaceUri" : null
}
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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@param updateDate The time when the modification request was last updated.*/",
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"setterModel" : {
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  "variableName" : "updateDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time when the modification request was last updated.</p>
@param updateDate The time when the modification request was last updated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "The time when the modification request was last updated.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
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"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "reservedInstancesModification",
  "variableType" : "ReservedInstancesModification",
  "documentation" : null,
  "simpleType" : "ReservedInstancesModification",
  "variableSetterType" : "ReservedInstancesModification"}
"variableSetterType" : "ReservedInstancesModification",
"wrapper" : false,
"ReservedInstancesModificationResult" : {
"c2jName" : "ReservedInstancesModificationResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the modification request/s.\n\n"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "ReservedInstancesId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n"enumType" : null,
"fluentSetterDocumentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservedInstancesId",
"getterDocumentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@return The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.*/",
"getterMethodName" : "getReservedInstancesId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReservedInstancesId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "reservedInstancesId",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservedInstancesId",
"setterDocumentation": "/**<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p><p>@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>*/",
"setterMethodName": "setReservedInstancesId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p><p>@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesId",
  "variableType": "String",
  "documentation": "<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
},
"c2jName": "TargetConfiguration",
"c2jShape": "ReservedInstancesConfiguration",}
The target Reserved Instances configurations supplied as part of the modification request.

```java
@GeneratedValue
public class TargetConfiguration {
  private @NotNull ReservedInstancesConfiguration targetConfiguration;

  @SerializedName("TargetConfiguration")
  public ReservedInstancesConfiguration getTargetConfiguration() {
    return targetConfiguration;
  }

  public void setTargetConfiguration(ReservedInstancesConfiguration targetConfiguration) {
    this.targetConfiguration = targetConfiguration;
  }
}
```

The target Reserved Instances configurations supplied as part of the modification request.

```java
public class TargetConfiguration {
  private @NotNull ReservedInstancesConfiguration targetConfiguration;

  @SerializedName("TargetConfiguration")
  public ReservedInstancesConfiguration getTargetConfiguration() {
    return targetConfiguration;
  }

  public void setTargetConfiguration(ReservedInstancesConfiguration targetConfiguration) {
    this.targetConfiguration = targetConfiguration;
  }
}
```
"variableSetterType" : "ReservedInstancesConfiguration",
"simple" : false,
"varargSetterDocumentation" : "/**\n\n@type The target Reserved Instances configurations supplied as part of the modification request.\n\n@param targetConfiguration The target Reserved Instances configurations supplied as part of the modification request.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ReservedInstancesConfiguration",
  "variableName" : "targetConfiguration",
  "variableType" : "ReservedInstancesConfiguration",
  "documentation" : "<p>The target Reserved Instances configurations supplied as part of the modification request.</p>",
  "simpleType" : "ReservedInstancesConfiguration",
  "variableSetterType" : "ReservedInstancesConfiguration"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "ReservedInstancesId" : {
    "c2jName" : "ReservedInstancesId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@type The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@param reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservedInstancesId",
    "getterDocumentation" : "/**\n\n@type The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.\n\n@return The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled.*/",
    "getterMethodName" : "getReservedInstancesId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReservedInstancesId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "reservedInstancesId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservedInstancesId",
"setterDocumentation" : "/**<p>The ID for the Reserved Instances that were created as part of the
modification request. This field is only available when the modification is fulfilled.</p>*/
@param
reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This
field is only available when the modification is fulfilled.*"/",
"setterMethodName" : "setReservedInstancesId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "reservedInstancesId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID for the Reserved Instances that were created as part of the
modification request. This field is only available when the modification is fulfilled.</p>*/
@param
reservedInstancesId The ID for the Reserved Instances that were created as part of the modification request. This
field is only available when the modification is fulfilled.\n@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "reservedInstancesId",
 "variableType" : "String",
 "documentation" : "<p>The ID for the Reserved Instances that were created as part of the modification
request. This field is only available when the modification is fulfilled.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetConfiguration" : {
 "c2jName" : "TargetConfiguration",
 "c2jShape" : "ReservedInstancesConfiguration",
 "deprecated" : false,
"documentation" : "The target Reserved Instances configurations supplied as part of the modification request.",
"enumType" : null,
"fluentSetterDocumentation" : "The target Reserved Instances configurations supplied as part of the modification request.
\n@param targetConfiguration The target Reserved Instances configurations supplied as part of the modification request.
\n@return Returns a reference to this object so that method calls can be chained together.,",
"fluentSetterMethodName" : "withTargetConfiguration",
"getterDocumentation" : "The target Reserved Instances configurations supplied as part of the modification request.
\n@return The target Reserved Instances configurations supplied as part of the modification request.
\n@return The target Reserved Instances configurations supplied as part of the modification request.
\n@returns Returns a reference to this object so that method calls can be chained together.,",
"getterMethodName" : "getTargetConfiguration",
"getterModel" : {
  "returnType" : "ReservedInstancesConfiguration",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TargetConfiguration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "targetConfiguration",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfiguration",
"setterDocumentation" : "The target Reserved Instances configurations supplied as part of the modification request.
\n@returns Returns a reference to this object so that method calls can be chained together.,",
"setterMethodName" : "setTargetConfiguration",
"setterModel" : {
  "variableDeclarationType" : "ReservedInstancesConfiguration",
  "variableName" : "targetConfiguration",
  "variableType" : "ReservedInstancesConfiguration",
  "documentation" : "",
  "simpleType" : "ReservedInstancesConfiguration",
  "variableSetterType" : "ReservedInstancesConfiguration"
"simple": false,
"varargSetterDocumentation": "<p>The target Reserved Instances configurations supplied as part of the modification request.</p>
@param targetConfiguration The target Reserved Instances configurations supplied as part of the modification request.
@return Returns a reference to this object so that method calls can be chained together."",
"variable": {
"variableDeclarationType": "ReservedInstancesConfiguration",
"variableName": "targetConfiguration",
"variableType": "ReservedInstancesConfiguration",
"documentation": "<p>The target Reserved Instances configurations supplied as part of the modification request.</p>",
"simpleType": "ReservedInstancesConfiguration",
"variableSetterType": "ReservedInstancesConfiguration"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ReservedInstancesModificationResult",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "ReservedInstancesModificationResult",
"variableName": "reservedInstancesModificationResult",
"variableType": "ReservedInstancesModificationResult",
"documentation": null,
"simpleType": "ReservedInstancesModificationResult",
"variableSetterType": "ReservedInstancesModificationResult"
},
"wrapper": false
},
"ReservedInstancesOffering": {
"c2jName": "ReservedInstancesOffering",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a Reserved Instance offering.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ ]
  "c2jName" : "ReservedInstancesOfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesOfferingId",
  "getterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@return The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.*/",
  "getterMethodName" : "getReservedInstancesOfferingId",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReservedInstancesOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "reservedInstancesOfferingId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ReservedInstancesOfferingId"
"setterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>

setterMethodName" : "setReservedInstancesOfferingId",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesOfferingId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedInstancesOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>
@see InstanceType",

"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@see InstanceType*/",

"fluentSetterMethodName" : "withInstanceType",

"getterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@return The instance type on which the Reserved Instance can be used.\n@see InstanceType*/",

"getterMethodName" : "getInstanceType",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>"
"enumType": null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@return The Availability Zone in which the Reserved Instance can be used.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone in which the Reserved Instance can be
used.</p>@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Duration",
  "c2jShape" : "Long",
  "deprecated" : false,
  "documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
  @param duration The duration of the Reserved Instance, in seconds.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDuration",
  "getterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
  @return The duration of the Reserved Instance, in seconds.</p>
  */",
  "getterMethodName" : "getDuration",
  "getterModel" : {
    "returnType" : "Long",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Duration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "duration",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Duration",
  "setterDocumentation" : "/**<p>The duration of the Reserved Instance, in seconds.</p>
  @param duration The
duration of the Reserved Instance, in seconds.*/
/**
 * The duration of the Reserved Instance, in seconds.
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * The duration of the Reserved Instance, in seconds.
 * @param duration The duration of the Reserved Instance, in seconds.
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * The usage price of the Reserved Instance, per hour.
 * @param usagePrice The usage price of the Reserved Instance, per hour.
 * @return Returns a reference to this object so that method calls can be chained together.*/

/**
 * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.
 */

/**
 * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.
 */

/**
 * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.
 */

/**
 * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.
 */

/**
 * The usage price of the Reserved Instance, per hour.
 * @return The usage price of the Reserved Instance, per hour.
 */
The usage price of the Reserved Instance, per hour.\n\n@param usagePrice
The usage price of the Reserved Instance, per hour.\n\n@return Returns a reference to this object so that method calls can be chained together.\n
The purchase price of the Reserved Instance.\n\n@return Returns a reference to this object so that method calls can be chained together.\n
The purchase price of the Reserved Instance.
\n
**UsagePrice**

The usage price of the Reserved Instance, per hour.

The purchase price of the Reserved Instance.

**FixedPrice**

The purchase price of the Reserved Instance.
price of the Reserved Instance.*"/
getterMethodName" : "getFixedPrice",
getterModel" : {
"returnType" : "Float",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fixedPrice",
"uri" : false
},
idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FixedPrice",
"setterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setFixedPrice",
setterModel" : {
"variableDeclarationType" : "Float",
"variableName" : "fixedPrice",
"variableType" : "Float",
"documentation" : "",
"simpleType" : "Float",
"variableSetterType" : "Float"
},
simple" : true,
"varargSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
"variableDeclarationType" : "Float",
"variableName" : "fixedPrice",
"variableType" : "Float",
"documentation" : "<p>The purchase price of the Reserved Instance.</p>
"simpleType" : "Float"
"c2jName": "ProductDescription",
"c2jShape": "RIProductDescription",
"deprecated": false,
"documentation": "<p>The Reserved Instance product platform description.</p>",
"enumType": "RIProductDescription",
"fluentSetterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"fluentSetterMethodName": "withProductDescription",
"getterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@return The Reserved Instance product platform description.
@see RIProductDescription*/",
"getterMethodName": "getProductDescription",
"getterModel": {  
  "returnType": "String",
  "documentation": null
},
"http": {  
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "productDescription",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ProductDescription",
"setterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@see RIProductDescription*/",
"setterMethodName": "setProductDescription",
"setterModel": {  
  "variableDeclarationType": "String",
  "variableName": "productDescription",
  "variableType": "String",
  "variableSetterType": "Float"  
}  
"xmlNameSpaceUri": null
}, {  
"c2jName": "ProductDescription",
"c2jShape": "RIProductDescription",
"deprecated": false,
"documentation": "<p>The Reserved Instance product platform description.</p>",
"enumType": "RIProductDescription",
"fluentSetterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"fluentSetterMethodName": "withProductDescription",
"getterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@return The Reserved Instance product platform description.
@see RIProductDescription*/",
"getterMethodName": "getProductDescription",
"getterModel": {  
  "returnType": "String",
  "documentation": null
},
"http": {  
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ProductDescription",
"setterDocumentation": "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@see RIProductDescription*/",
"setterMethodName": "setProductDescription",
"setterModel": {  
  "variableDeclarationType": "String",
  "variableName": "productDescription",
  "variableType": "String",
  "variableSetterType": "Float"  
}  
"xmlNameSpaceUri": null
}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param productDescription The Reserved Instance product platform description.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable" : {
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"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The tenancy of the instance.</p>
@return The tenancy of the instance.
@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceTenancy",
"uri" : false
idempotencyToken" : false,
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"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of
the instance
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
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  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of
the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
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  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The tenancy of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "CurrencyCode",
"c2jShape" : "CurrencyCodeValues",
"deprecated" : false,
"documentation" : "<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

"enumType" : "CurrencyCodeValues",
"fluentSetterDocumentation" : "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

"fluentSetterMethodName" : "withCurrencyCode",
"getterDocumentation" : "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

"getterMethodName" : "getCurrencyCode",```
specified using ISO 4217 standard currency codes. At this time, the only supported currency is
\<code>USD</code>\>. 
\@see CurrencyCodeValues*/

"getterMethodName" : "getCurrencyCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "currencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CurrencyCode",
"setterDocumentation" : "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>. </p>@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>. @see CurrencyCodeValues*/

"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>. </p>@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>. @return Returns a reference to this object so that method calls can be chained

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The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is &lt;code&gt;USD&lt;/code&gt;.

```java
@see CurrencyCodeValues*/
```

```java
"variable": {
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  "documentation": "&lt;p&gt;The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is &lt;code&gt;USD&lt;/code&gt;.&lt;/p&gt;",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "OfferingType",
"c2jShape": "OfferingTypeValues",
"deprecated": false,
"documentation": "&lt;p&gt;The Reserved Instance offering type.&lt;/p&gt;",
"enumType": "OfferingTypeValues",
"fluentSetterDocumentation": "/**&lt;p&gt;The Reserved Instance offering type.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingTypeValues*/",
"fluentSetterMethodName": "withOfferingType",
"getterDocumentation": "/**&lt;p&gt;The Reserved Instance offering type.&lt;/p&gt;\n@return The Reserved Instance offering type.\n@see OfferingTypeValues*/",
"getterMethodName": "getOfferingType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OfferingType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "offeringType",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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    "variableName": "currencyCode",
    "variableType": "String",
    "documentation": "&lt;p&gt;The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is &lt;code&gt;USD&lt;/code&gt;.&lt;/p&gt;",
    "simpleType": "String",
    "variableSetterType": "String"
  }
```
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@see OfferingTypeValues*/",
"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.
@see OfferingTypeValues*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance offering type.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargesList",
  "deprecated" : false,
  "documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRecurringCharges",
  "getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@return The recurring charge tag assigned to the resource.*/",
  "getterMethodName" : "getRecurringCharges",
  "getterModel" : {
    "returnType" : "java.util.List<RecurringCharge>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "http" : { }
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "recurringCharges",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"ListModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "RecurringCharge",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "RecurringCharge",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "RecurringCharge",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "RecurringCharge",
"templateImplType": "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType": "java.util.List<RecurringCharge>"
},
"map": false,
"mapModel": null,
"name": "RecurringCharges",
"setterDocumentation": "/**
<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.*/",
"setterMethodName": "setRecurringCharges",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName": "recurringCharges",
  "variableType": "java.util.List<RecurringCharge>",
  "documentation": """
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"variableSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRecurringCharges(java.util.Collection)} or {@link #withRecurringCharges(java.util.Collection)} if you want to override the existing values.</p><p>@param recurringCharges The recurring charge tag assigned to the resource.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "The recurring charge tag assigned to the resource.
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
}
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Marketplace",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. */",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. </p>
@returns Returns a reference to this object so that method calls can be chained together. */",
"getterDocumentation" : "/**<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. */",
"getterMethodName" : "getMarketplace",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Marketplace",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "marketplace",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Marketplace",
"setterDocumentation" : "/**
* Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. 
* @param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. 
* @return Returns a reference to this object so that method calls can be chained together. */
* 
* @model
* 
* @see Marketplace
* 
* @generated
*/
"setterMethodName" : "setMarketplace",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. 
* @param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. 
* @return Returns a reference to this object so that method calls can be chained together. */
* 
* @model
* 
* @see Marketplace
* 
* @generated
*/
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PricingDetails",
"c2jShape" : "PricingDetailsList",
"deprecated" : false,
"documentation" : "The pricing details of the Reserved Instance offering."
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The pricing details of the Reserved Instance offering.</p>@param pricingDetails The pricing details of the Reserved Instance offering.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withPricingDetails",
"getterDocumentation" : "/**<p>The pricing details of the Reserved Instance offering.</p>@return The pricing details of the Reserved Instance offering.</p>*/",
"getterMethodName" : "getPricingDetails",
"getterModel" : {
"returnType" : "java.util.List<PricingDetail>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PricingDetailsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "pricingDetailsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "PricingDetail",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "PricingDetail",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PricingDetail",
  "variableName" : "member",
  "variableType" : "PricingDetail",
  "documentation" : "",
  "simpleType" : "PricingDetail",
  "variableSetterType" : "PricingDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PricingDetail",
  "variableName" : "member",
  "variableType" : "PricingDetail",
  "documentation" : "",
  "simpleType" : "PricingDetail",
  "variableSetterType" : "PricingDetail"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PricingDetail",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PricingDetail",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"templateType" : "java.util.List<PricingDetail>"
}
},
"map" : false,
"mapModel" : null,
"name" : "PricingDetails",
"setterDocumentation" : "/**<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.*/",
"setterMethodName" : "setPricingDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "The pricing details of the Reserved Instance offering."",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>

"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "The pricing details of the Reserved Instance offering."",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>

"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "The pricing details of the Reserved Instance offering."",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"xmlNameSpaceUri" : null
},
{"c2jName" : "OfferingClass",
"c2jShape" : "OfferingClassType",
"deprecated" : false,
"documentation" : "If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>

"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "/**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "The pricing details of the Reserved Instance offering."",
  "simpleType" : "List<PricingDetail>",
  "variableSetterType" : "java.util.Collection<PricingDetail>"
},
"xmlNameSpaceUri" : null
}
possible to perform an exchange.

```java
public static Class<OfferingClassType> getOfferingClassType() {
    return OfferingClassType.class;
}
```

### Setter Method:

```java
public static void setOfferingClass(String offeringClass) {
    OfferingClassType offeringClassType = OfferingClassType.valueOf(offeringClass);
    offeringClassType.setOfferingClass(offeringClass);
}
```

### Getter Method:

```java
public static String getOfferingClass() {
    OfferingClassType offeringClassType = OfferingClassType.convertible;
    return offeringClassType.getOfferingClass();
}
```

### Marshalling and Unmarshalling:

- **Marshalling**:
  - `marshallingType`: `OfferingClassType`
  - `marshallingLocationName`: `OfferingClass`

- **Unmarshalling**:
  - `unmarshallingType`: `OfferingClassType`
  - `unmarshallingLocationName`: `offeringClass`

### Additional Marshalling Path:

- `additionalMarshallingPath`: `null`

### Additional Unmarshalling Path:

- `additionalUnmarshallingPath`: `null`

### Idempotency Token:

- `idempotencyToken`: `true`

### List Model:

- `list`: `false`

### Map Model:

- `map`: `false`
If `<code>convertible</code>` it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If `<code>standard</code>`, it is not possible to perform an exchange.

```java
/**
 * If `<code>convertible</code>` it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If `<code>standard</code>`, it is not possible to perform an exchange.
 */

```
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scope",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**\n* Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
* @param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
* @see Scope*/",
"setterMethodName" : "setScope",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "scope",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
* @param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
* @return Returns a reference to this object so that method calls can be chained together.
* @see Scope*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "scope",
"variableType" : "String",
"documentation" : "Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"AvailabilityZone" : {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The Availability Zone in which the Reserved Instance can be used.
",
"enumType" : null,
"fluentSetterDocumentation" : "The Availability Zone in which the Reserved Instance can be used.
",
"return" : "AvailabilityZone"
}}
Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/*\n<p>The Availability Zone in which the Reserved Instance can be used.</p>
@return The Availability Zone in which the Reserved Instance can be used. */",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/*\n<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The Availability Zone in which the Reserved Instance can be used.</p>
@param availabilityZone The Availability Zone in which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CurrencyCode",
"setterDocumentation": "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>"@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.*/

"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>"@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

"setterMethodId": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>"@param currencyCode The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.

"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Duration": {
  "c2jName": "Duration",
  "c2jShape": "Long",
  "deprecated": false,
  "documentation": "<p>The duration of the Reserved Instance, in seconds.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The duration of the Reserved Instance, in seconds.</p>"@return The duration of the Reserved Instance, in seconds.*/

"fluentSetterMethodName": "withDuration",
"getterDocumentation": "/**<p>The duration of the Reserved Instance, in seconds.</p>"@return The duration of the Reserved Instance, in seconds.*/

"xmlNameSpaceUri": null
}
"getterMethodName" : "getDuration",
"getterModel" : {
    "returnType" : "Long",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Duration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "duration",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Duration",
"setterDocumentation" : "/**p>The duration of the Reserved Instance, in seconds.</p>
@para duration
The duration of the Reserved Instance, in seconds.*/",
"setterMethodName" : "setDuration",
"setterModel" : {
    "variableDeclarationType" : "Long",
    "variableName" : "duration",
    "variableType" : "Long",
    "documentation" : "",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**p>The duration of the Reserved Instance, in seconds.</p>
@para duration The duration of the Reserved Instance, in seconds.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Long",
    "variableName" : "duration",
    "variableType" : "Long",
    "documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
    "simpleType" : "Long",
    "variableSetterType" : "Long"
"xmlNameSpaceUri" : null
},
"FixedPrice" : {
 "c2jName" : "FixedPrice",
 "c2jShape" : "Float",
 "deprecated" : false,
 "documentation" : "The purchase price of the Reserved Instance.",
 "enumType" : null,

@returns Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withFixedPrice",
 "getterDocumentation" : "The purchase price of the Reserved Instance.

@returns The purchase price of the Reserved Instance.@/",
 "getterMethodName" : "getFixedPrice",
 "getterModel" : {
 "returnType" : "Float",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "FixedPrice",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "fixedPrice",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "FixedPrice",
 "setterDocumentation" : "The purchase price of the Reserved Instance.

@returns The purchase price of the Reserved Instance.@/",
 "setterMethodName" : "setFixedPrice",
 "setterModel" : {
 "variableDeclarationType" : "Float",
 "variableName" : "fixedPrice",
 "variableType" : "Float"}
"documentation" : "",  
"simpleType" : "Float",  
"variableSetterType" : "Float" 
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The purchase price of the Reserved Instance.</p>
@param fixedPrice
The purchase price of the Reserved Instance.
@return Returns a reference to this object so that method calls can be chained together.*/
",

"variable" : {

"variableDeclarationType" : "Float",  
"variableName" : "fixedPrice",  
"variableType" : "Float",  
"documentation" : "<p>The purchase price of the Reserved Instance.</p>
",

"simpleType" : "Float",  
"variableSetterType" : "Float" 
},  
"xmlNameSpaceUri" : null
},

"InstanceTenancy" : {

"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance.</p>
",

"simpleType" : "Tenancy",

"fluentSetterDocumentation" : "/**<p>The tenancy of the instance.</p>
@param instanceTenancy The tenancy of the instance.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/
",

"fluentSetterMethodName" : "withInstanceTenancy",

"getterDocumentation" : "/**<p>The tenancy of the instance.</p>
@return The tenancy of the instance.
@see Tenancy*/
",

"getterMethodName" : "getInstanceTenancy",

"getterModel" : {

"returnType" : "String",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceTenancy",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "instanceTenancy",

"parameterName" : "InstanceTenancy",

"xmlElementName" : "InstanceTenancy",

"xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**\n@param instanceTenancy The tenancy of the instance.\n@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param instanceTenancy The tenancy of the instance.\n@see Tenancy*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceTenancy",
"variableType" : "String",
"documentation" : "The tenancy of the instance.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "The instance type on which the Reserved Instance can be used.
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/**\n@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**\n@param instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String""}}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param
instanceType The instance type on which the Reserved Instance can be used.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type on which the Reserved Instance can be used.</p>
@param instanceType The instance type on which the Reserved Instance can be used.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type on which the Reserved Instance can be used.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"Marketplace" : {
  "c2jName" : "Marketplace",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>
  @param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.<p>
  @return Returns a reference to this object so that method calls can be chained together.</p>",
  "fluentSetterMethodName" : "withMarketplace",
  "getterDocumentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>
  @return Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.<p>
  @return Returns a reference to this object so that method calls can be chained together.</p>",
  "getterMethodName" : "getMarketplace",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Marketplace",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "marketplace",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Marketplace",
  "setterDocumentation" : "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.</p>
  @param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.<p>
  @return Returns a reference to this object so that method calls can be chained together.</p>",
  "setterMethodName" : "setMarketplace",
  "setterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  }
}
"setterMethodName" : "setMarketplace",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "*/\<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.\</p>\n@param marketplace Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.\n@return Returns a reference to this object so that method calls can be chained together.*\",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "\p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>.\n@return Returns a reference to this object so that method calls can be chained together.*\",
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"OfferingClass" : {
  "c2jName" : "OfferingClass",
  "c2jShape" : "OfferingClassType",
  "deprecated" : false,
  "documentation" : "\p>\n@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.\p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingClassType*/",
"enumType" : "OfferingClassType",
"fluentSetterDocumentation" : "*/\p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.\p>\n@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.\n@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingClassType*/",
"fluentSetterMethodName" : "withOfferingClass",
"getterDocumentation" : "*/\p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.\p>\n@return If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.\n@see OfferingClassType*/",
"getterMethodName" : "getOfferingClass",
"getterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "marketplace",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
"returnType" : "String",
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingClass",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "offeringClass",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingClass",
"setterDocumentation" : "/**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p><p>@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>@see OfferingClassType*/",
"setterMethodName" : "setOfferingClass",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p><p>@param offeringClass If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>@see OfferingClassType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringClass",
...
"variableType" : "String",
"documentation" : "<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same
or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an
exchange.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"OfferingType" : {
"c2jName" : "OfferingType",
"c2jShape" : "OfferingTypeValues",
"deprecated" : false,
"documentation" : "<p>The Reserved Instance offering type.</p>",
"enumType" : "OfferingTypeValues",
"fluentSetterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.</p>
@return Returns a reference to this object so that method calls can be chained
together.
@see OfferingTypeValues*/",
"fluentSetterMethodName" : "withOfferingType",
"getterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@return The Reserved Instance offering type.
@see OfferingTypeValues*/",
"getterMethodName" : "getOfferingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingType",
"setterDocumentation" : "/**<p>The Reserved Instance offering type.</p>
@param offeringType The
Reserved Instance offering type.
@see OfferingTypeValues*/

"setterMethodName" : "setOfferingType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Reserved Instance offering type.</p>
@param offeringType The Reserved Instance offering type.
@return Returns a reference to this object so that method calls can be chained together.\n@see OfferingTypeValues*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringType",
  "variableType" : "String",
  "documentation" : "<p>The Reserved Instance offering type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PricingDetails" : {
  "c2jName" : "PricingDetails",
  "c2jShape" : "PricingDetailsList",
  "deprecated" : false,
  "documentation" : "<p>The pricing details of the Reserved Instance offering.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "/**\n<p>The pricing details of the Reserved Instance offering.</p>
@return The pricing details of the Reserved Instance offering.*/",
  "getterMethodName" : "getPricingDetails",
  "getterModel" : {
    "returnType" : "java.util.List<PricingDetail>"",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PricingDetailsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "pricingDetailsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "PricingDetail",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "FluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "FluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "PricingDetail",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PricingDetail",
  "variableName" : "member",
  "variableType" : "PricingDetail",
  "documentation" : "",
  "simpleType" : "PricingDetail",
  "variableSetterType" : "PricingDetail"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PricingDetail",
  "variableName" : "member",
  "variableType" : "PricingDetail",
  "documentation" : "",
  "simpleType" : "PricingDetail",
  "variableSetterType" : "PricingDetail"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PricingDetail",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PricingDetail",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"templateType" : "java.util.List<PricingDetail>"
},
"map" : false,
"mapModel" : null,
"name" : "PricingDetails",
"setterDocumentation" : "/**\n<p>The pricing details of the Reserved Instance offering.</p>
@param pricingDetails The pricing details of the Reserved Instance offering.*/",
"setterMethodName" : "setPricingDetails",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
  "variableName" : "pricingDetails",
  "variableType" : "java.util.List<PricingDetail>",
  "documentation" : "",
  "simpleType" : "List<PricingDetail>",
"variableSetterType" : "java.util.Collection<PricingDetail>"},
"simple" : false,
"varargSetterDocumentation" : "/** The pricing details of the Reserved Instance offering.\n\n*NOTE:* This method appends the values to the existing list (if any). Use [@link #setPricingDetails(java.util.Collection)] or [@link #withPricingDetails(java.util.Collection)] if you want to override the existing values.\n\n*param pricingDetails The pricing details of the Reserved Instance offering.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PricingDetail>",
"variableName" : "pricingDetails",
"variableType" : "java.util.List<PricingDetail>",
"documentation" : "The pricing details of the Reserved Instance offering.\n\n@returns The pricing details of the Reserved Instance offering.\n\n@see PricingDetails*/",
"xmlNameSpaceUri" : null
},
"ProductDescription" : {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "The Reserved Instance product platform description.\n\n@returns The Reserved Instance product platform description.\n\n@see RIProductDescription*/",
"fluentSetterDocumentation" : "/** The Reserved Instance product platform description.\n\n@returns The Reserved Instance product platform description.\n\n@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/** The Reserved Instance product platform description.\n\n@returns The Reserved Instance product platform description.\n\n@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param
productDescription The Reserved Instance product platform description.<p>@param
setterMethodName" : "setProductDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "productDescription",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Reserved Instance product platform description.</p>
@param
recurringCharges The recurring charge tag assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.<p>@param
recurringCharges The recurring charge tag assigned to the resource.
return
getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@return The recurring charge tag assigned to the resource.<p>@param
getterMethodName" : "getRecurringCharges",
"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargesList",
"deprecated" : false,
"documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.<p>@param recurringCharges The recurring charge tag assigned to the resource.<p>@return
fluentSetterMethodName" : "withRecurringCharges",
"getterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@return The recurring charge tag assigned to the resource.<p>@return
getterMethodName" : "getRecurringCharges",
"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "RecurringCharge",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
],
"map" : false,
"mapModel" : null,
"name" : "RecurringCharges",
"setterDocumentation" : "/**<p>The recurring charge tag assigned to the resource.</p>
@param recurringCharges The recurring charge tag assigned to the resource.*/",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The recurring charge tag assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setRecurringCharges(java.util.Collection) } or { @link #withRecurringCharges(java.util.Collection) } if you want to override the existing values.</p>
@param recurringCharges The recurring charge tag assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "<p>The recurring charge tag assigned to the resource.</p>
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null,
"ReservedInstancesOfferingId" : {
  "c2jName" : "ReservedInstancesOfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The ID of the Reserved Instance offering. This is the offering ID used
in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstancesOfferingId(java.util.Collection) } or { @link #withReservedInstancesOfferingId(java.util.Collection) } if you want to override the existing values.</p>
  @param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in
  <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReservedInstancesOfferingId",
  "getterDocumentation" : "/*<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
  <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setReservedInstancesOfferingId(java.util.Collection) } or { @link #withReservedInstancesOfferingId(java.util.Collection) } if you want to override the existing values.</p>
  @return The ID of the Reserved Instance offering. This is the offering ID used in
  <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</a> to confirm that an exchange can be made.</p>"
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "ReservedInstancesOfferingId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "reservedInstancesOfferingId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReservedInstancesOfferingId",
"setterDocumentation": "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.*"*/",
"setterMethodName": "setReservedInstancesOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesOfferingId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>
@param reservedInstancesOfferingId The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.
@return Returns a reference to this object so that method calls can be chained together.*"*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedInstancesOfferingId",
  "variableType": "String",
  "documentation": "<p>The ID of the Reserved Instance offering. This is the offering ID used in
<a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.</p>",
  "simpleType": "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"Scope" : {
"c2jName" : "Scope",
"c2jShape" : "scope",
"deprecated" : false,
"documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>",
"enumType" : "Scope",
"fluentSetterDocumentation" : "/**\n<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.\n@see Scope*/",
"fluentSetterMethodName" : "withScope",
"getterDocumentation" : "/**\n<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>
@return Whether the Reserved Instance is applied to instances in a region or an Availability Zone.\n@see Scope*/",
"getterMethodName" : "getScope",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Scope",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "scope",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Scope",
"setterDocumentation" : "/**\n<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.\n@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.\n@see Scope*/",
}"
"setterMethodName" : "setScope",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>
@param scope Whether the Reserved Instance is applied to instances in a region or an Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
@see Scope*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "scope",
  "variableType" : "String",
  "documentation" : "<p>Whether the Reserved Instance is applied to instances in a region or an Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
  "c2jName" : "UsagePrice",
  "c2jShape" : "Float",
  "deprecated" : false,
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The usage price of the Reserved Instance, per hour.</p>
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withUsagePrice",
  "getterDocumentation" : "/*<p>The usage price of the Reserved Instance, per hour.</p>
@return The usage price of the Reserved Instance, per hour.*"",
  "getterMethodName" : "getUsagePrice",
  "getterModel" : {
    "returnType" : "Float",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
...
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UsagePrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "usagePrice",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UsagePrice",
"setterDocumentation": "/**
 * The usage price of the Reserved Instance, per hour.
 */
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName": "setUsagePrice",
"setterModel": {
"variableDeclarationType": "Float",
"variableName": "usagePrice",
"complexType": "Float",
"documentation": "",
"simpleType": "Float",
"variableSetterType": "Float"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The usage price of the Reserved Instance, per hour.
 */
@param usagePrice The usage price of the Reserved Instance, per hour.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
"variableDeclarationType": "Float",
"variableName": "usagePrice",
"complexType": "Float",
"documentation": "The usage price of the Reserved Instance, per hour.
",
"simpleType": "Float",
"variableSetterType": "Float"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "ReservedInstancesOffering",
"unmarshall": {
"flattened": false,
"resultWrapper": null
}
"variable" : {
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    "variableName" : "reservedInstancesOffering",
    "variableType" : "ReservedInstancesOffering",
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    "simpleType" : "ReservedInstancesOffering",
    "variableSetterType" : "ReservedInstancesOffering"
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    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
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    "marshaller" : null,
    "members" : null,
    "membersAsMap" : { },
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    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ResetImageAttributeName",
    "unmarshaller" : {
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        "resultWrapper" : null
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        "variableName" : "resetImageAttributeName",
        "variableType" : "ResetImageAttributeName",
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        "simpleType" : "ResetImageAttributeName",
        "variableSetterType" : "ResetImageAttributeName"
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  "c2jName" : "ResetImageAttributeRequest",
  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ResetImageAttribute.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the AMI.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the AMI.</p>
@n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withImageId",
    "getterDocumentation" : "/*<p>The ID of the AMI.</p>
@n@return The ID of the AMI.*/",
    "getterMethodName" : "getImageId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
    },
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
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  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "ResetImageAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>",
"enumType" : "ResetImageAttributeName",
"fluentSetterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>
@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@return Returns a reference to this object so that method calls can be chained together.
@see ResetImageAttributeName*/",

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"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>
@return The attribute to reset (currently you can only reset the launch permission attribute).
@see ResetImageAttributeName*/",
"getterMethodName" : "getAttribute",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"listModel" : null,
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"mapModel" : null,
"name" : "Attribute",
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@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@see ResetImageAttributeName*/",
"setterMethodName" : "setAttribute",
"setterModel" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>
@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@return Returns a reference to this object so that method calls can be chained together.
@see ResetImageAttributeName*/",
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"variableType" : "String",
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</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlnsNameSpaceUri" : null
],
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"c2jShape" : "ResetImageAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset (currently you can only reset the launch permission attribute).
</p>",
"enumType" : "ResetImageAttributeName",
"fluentSetterDocumentation" : "/**
<p>The attribute to reset (currently you can only reset the launch permission attribute).
</p>
@see ResetImageAttributeName*/",
"fluentSetterMethodName" : "withAttribute",
"getterDocumentation" : "/**
<p>The attribute to reset (currently you can only reset the launch permission attribute).
</p>
@see ResetImageAttributeName*/",
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"getterModel" : {
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"documentation" : null
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "Attribute",
"uri" : false
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"mapModel": null,
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@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@see ResetImageAttributeName*/",
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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@param attribute The attribute to reset (currently you can only reset the launch permission attribute).
@return Returns a reference to this object so that method calls can be chained together.
@see ResetImageAttributeName*/",
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"simpleType": "String",
"variableSetterType": "String"
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},
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.
@see GetImageId*/",
"fluentSetterMethodName": "withImageId",
"getterDocumentation": "/**<p>The ID of the AMI.</p>
@return The ID of the AMI.
@see GetImageId*/",
"getterMethodName": "getImageId",
"getterModel": {
"returnType": "String",
"documentation": null
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"parameters": []}
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
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"setterMethodName" : "setImageId",
"setterModel" : {
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    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the AMI.</p>\n@param imageId The ID of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "imageId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the AMI.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ImageId", "Attribute" ],
"shapeName" : "ResetImageAttributeRequest"
"unmarshaller" : null,
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  "variableName" : "resetImageAttributeRequest",
  "variableType" : "ResetImageAttributeRequest",
  "documentation" : null,
  "simpleType" : "ResetImageAttributeRequest",
  "variableSetterType" : "ResetImageAttributeRequest"
},
"wrapper" : false
},
"ResetImageAttributeResult" : {
  "c2jName" : "ResetImageAttributeResult",
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ResetImageAttributeResult",
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    "resultWrapper" : null
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    "variableName" : "resetImageAttributeResult",
    "variableType" : "ResetImageAttributeResult",
    "documentation" : null,
    "simpleType" : "ResetImageAttributeResult",
    "variableSetterType" : "ResetImageAttributeResult"
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  "wrapper" : false
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  "customization" : {
    "artificialResultWrapper" : null,
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p><p>\n@instanceId The ID of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**<p>The ID of the instance.</p><p>\n@return The ID of the instance.</p>*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "method" : "ResetInstanceAttribute",
      "requestUri" : "/instancid",
      "target" : null,
      "verb" : "POST"},
      "xmlNameSpaceUri" : null
  }
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
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"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the instance.</p>\n@param instanceId The ID of the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"c2jShape" : "InstanceAttributeName",
"deprecated" : false,
"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a href="/ModifyInstanceAttribute">ModifyInstanceAttribute</a>.</p> <important>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : "InstanceAttributeName",
"fluentSetterDocumentation" : "/** <p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a href="/ModifyInstanceAttribute">ModifyInstanceAttribute</a>.\n@return Returns a reference to this object so that method calls can be chained together.*/
"xmlNameSpaceUri" : null}
@see InstanceAttributeName*/

"getterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: \code{kernel} | \code{ramdisk} | \code{sourceDestCheck}. To change an instance attribute, use \a<code>ModifyInstanceAttribute</code></a>.<p> </important><p>You can only reset the following attributes: \code{kernel} | \code{ramdisk} | \code{sourceDestCheck}. To change an instance attribute, use \a<code>ModifyInstanceAttribute</code></a>.<p>

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"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Attribute",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attribute",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: \code{kernel} | \code{ramdisk} | \code{sourceDestCheck}. To change an instance attribute, use \a<code>ModifyInstanceAttribute</code></a>.<p> </important><p>You can only reset the following attributes: \code{kernel} | \code{ramdisk} | \code{sourceDestCheck}. To change an instance attribute, use \a<code>ModifyInstanceAttribute</code></a>.<p>

"setterMethodName" : "setAttribute",
"setterModel" : {
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"variableName" : "attribute",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</important>
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*/",
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"membersAsMap": {
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"c2jShape": "InstanceAttributeName",
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"returnType": "String",
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Attribute",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "attribute",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Attribute",
"setterDocumentation": "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important> 
@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*/",
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"setterModel": {
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  "variableName": "attribute",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important> 
@param attribute The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceAttributeName*/",
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"documentation" : "<p>The attribute to reset.</p> <important> <p>You can only reset the following attributes: <code>kernel</code> | <code>ramdisk</code> | <code>sourceDestCheck</code>. To change an instance attribute, use <a>ModifyInstanceAttribute</a>.</p> </important>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceId",
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\n@<code>true</code>.\n</p>
@return The source/destination checking attribute. Resets the value to
\n@<code>true</code>.\n</p>

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@return Returns a reference to this object so that method calls can be chained together.*/",
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        "variableType" : "ResetSnapshotAttributeRequest",
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  "enumType" : null,
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  "getterDocumentation" : "/**<p>The ID of the snapshot.</p>
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 * The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.
 */
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"fluentSetterMethodName" : "withAttribute",

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  "documentation" : "",
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"enumType" : "SnapshotAttributeName",

"fluentSetterDocumentation" : "/**\p>The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.\n@param attribute The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.\n@see SnapshotAttributeName*/",

"fluentSetterMethodName" : "withAttribute",

"getterDocumentation" : "/**\p>The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.\n@see SnapshotAttributeName*/",

"getterMethodName" : "getAttribute",

"xmlNameSpaceUri" : null
}.
volumes can be reset.

```
@see SnapshotAttributeName*/
```

getterMethodName" : "getAttribute",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Attribute",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Attribute",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Attribute",
"setterDocumentation" : "/**\n<p>The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.</p>\n@param attribute The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.\n@see SnapshotAttributeName*/",
"setterMethodName" : "setAttribute",
setterModel" : {
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  "variableName" : "attribute",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.</p>\n@param attribute The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.\n@see SnapshotAttributeName*/",
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  "variableType" : "String",
  "variableSetterType" : "String"
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"documentation" : "<p>The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
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"enumType" : null,
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"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**\n@return The ID of the snapshot.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
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"map" : false,
"mapModel" : null,
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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
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"variableType": "String",
"documentation": "<p>The ID of the snapshot.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"requestSignerClassFqcn": null,
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"variableName": "resetSnapshotAttributeRequest",
"variableType": "ResetSnapshotAttributeRequest",
"documentation": null,
"simpleType": "ResetSnapshotAttributeRequest",
"variableSetterType": "ResetSnapshotAttributeRequest"
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"wrapper": false
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"ResetSnapshotAttributeResult": {
"c2jName": "ResetSnapshotAttributeResult",
"customization": {
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"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
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"deprecated": false,
"documentation": null,
"enums": null,
"errorCode": null,
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"hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResetSnapshotAttributeResult",

"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "resetSnapshotAttributeResult",
  "variableType" : "ResetSnapshotAttributeResult",
  "documentation" : null,
  "simpleType" : "ResetSnapshotAttributeResult",
  "variableSetterType" : "ResetSnapshotAttributeResult"
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"wrapper" : false
},

"ResourceType" : {
  "c2jName" : "ResourceType",
  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "documentation" : "",
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    "value" : "customer-gateway"
  }, {
    "name" : "DhcpOptions",
    "value" : "dhcp-options"
  }, {
    "name" : "Image",
    "value" : "image"
  }, {
    "name" : "Instance",
    "value" : "instance"
  }, {
    "name" : "InternetGateway",
    "value" : "internet-gateway"
"shapeName" : "ResourceType",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableType" : "ResourceType",
  "documentation" : null,
  "simpleType" : "ResourceType",
  "variableSetterType" : "ResourceType"
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"wrapper" : false
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"RestoreAddressToClassicRequest" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RestoreAddressToClassic.</p>",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Elastic IP address.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>The Elastic IP address.</p>
@进修 publicIp The Elastic IP address. 
@进修 Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withPublicIp",
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PublicIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "publicIp",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "c2jShape" : "String",
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    "enumType" : null,
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "publicIp",
      "uri" : false
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    "listModel" : null,
    "map" : false,
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      "variableName" : "publicIp",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
**The Elastic IP address.**

```java
publicIp
```

*returns* Returns a reference to this object so that method calls can be chained together.

```java
public Ip
```

**The Elastic IP address.**

```java
public Ip
```

*variable*:

```java
public Ip
```

**documentation**:

```java
<p>The Elastic IP address.</p>
```

**simpleType**:

```java
String
```

**variableDeclarationType**:

```java
String
```

**variableName**:

```java
public Ip
```

**variableType**:

```java
String
```

**isRequired**:

```java
false
```

**requestSignerAware**:

```java
false
```

**requestSignerClassFqcn**:

```java
null
```

**shapeName**:

```java
RestoreAddressToClassicRequest
```

**unmarshaller**:

```java
null
```

**wrapper**:

```java
false
```

**c2jName**:

```java
RestoreAddressToClassicResult
```

**customization**:

```java
null
```

**artificialResultWrapper**:

```java
null
```

**skipGeneratingMarshaller**:

```java
false
```

**skipGeneratingModelClass**:

```java
false
```

**skipGeneratingUnmarshaller**:

```java
false
```

**deprecated**:

```java
false
```

**documentation**:

```java
Contains the output of RestoreAddressToClassic.
```

**enums**:

```java
null
```

**errorCode**:

```java
null
```

**hasHeaderMember**:

```java
false
```

**hasPayloadMember**:

```java
false
```

**hasStatusCodeMember**:

```java
false
```

**hasStreamingMember**:

```java
false
```

**marshaller**:

```java
null
```

**members**:

```java
null
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"c2jName" : "Status",
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"enumType" : "Status",
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  "documentation" : null
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
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"map" : false,
"mapModel" : null,
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
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  "variableName": "status",
  "variableType": "String",
  "documentation": "The move status for the IP address."
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"xmlNameSpaceUri": null
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"c2jName": "PublicIp",
"c2jShape": "String",
"deprecated": false,
"documentation": "The Elastic IP address.

**getterDocumentation**: "**@return** The Elastic IP address."

**getterMethodName**: "getPublicIp",

**getterModel**: {
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  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "PublicIp",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "publicIp",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name" : "PublicIp",
"setterDocumentation" : "/**\* The Elastic IP address.\n@publicIp The Elastic IP address.*/",
"setterMethodName" : "setPublicIp",
"setterModel" : {
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "The Elastic IP address.\n@publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The Elastic IP address.\n@publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\* The Elastic IP address.\n@publicIp The Elastic IP address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**\* The Elastic IP address.\n@return The Elastic IP address.*/",
    "getterMethodName" : "getPublicIp",
    "getterModel" : {
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      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "publicIp",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PublicIp",
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"setterMethodName" : "setPublicIp",
"setterModel" : {
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableName" : "publicIp",
  "variableType" : "String",
  "documentation" : "\nThe Elastic IP address."
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "c2jName" : "Status",
  "c2jShape" : "Status",
  "deprecated" : false,
  "documentation" : "\nThe move status for the IP address."
},
"enumType" : "Status",
"fluentSetterDocumentation" : "/**\p>The move status for the IP address.\n@param status The move status for the IP address.\n@return Returns a reference to this object so that method calls can be chained together.\n@see Status*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**\p>The move status for the IP address.\n@param status The move status for the IP address.\n@see Status*/"
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Status",

"setterDocumentation" : "/**<p>The move status for the IP address.</p>
@param status The move status for the IP address.
@see Status*/",

"setterMethodName" : "setStatus",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The move status for the IP address.</p>
@param status The move status for the IP address.
@return Returns a reference to this object so that method calls can be chained together.
@see Status*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>The move status for the IP address.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"variableName" : "restoreAddressToClassicResult",
"variableType" : "RestoreAddressToClassicResult",
"documentation" : null,
"simpleType" : "RestoreAddressToClassicResult",
"variableSetterType" : "RestoreAddressToClassicResult"
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"wrapper" : false
},
"RevokeSecurityGroupEgressRequest" : {
"c2jName" : "RevokeSecurityGroupEgressRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "<p>Contains the parameters for RevokeSecurityGroupEgress.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "RevokeSecurityGroupEgress",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"c2jName" : "GroupId",
"c2jName" : "GroupId"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the security group.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the security group.&lt;/p&gt;&lt;\n\n@param groupId The ID of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**&lt;p&gt;The ID of the security group.&lt;/p&gt;&lt;\n\n@return The ID of the security group.*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**&lt;p&gt;The ID of the security group.&lt;/p&gt;&lt;\n\n@param groupId The ID of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupId",
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"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**&lt;p&gt;The ID of the security group.&lt;/p&gt;&lt;\n\n@param groupId The ID of the security group.\n\n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of a destination security group. To revoke outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to
a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param
sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination
security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this
object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a
destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The name of a
destination security group. To revoke outbound access to a destination security group, we recommend that you use a
set of IP permissions instead.*/",
"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "sourceSecurityGroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/",
"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupName",
"variableType" : "String",
"documentation" : "<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/"
instead.</p>

@return The AWS account number for a destination security group. To revoke outbound access to a
destination security group, we recommend that you use a set of IP permissions instead.*/

"getterMethodName" : "getSourceSecurityGroupOwnerId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "SourceSecurityGroupOwnerId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "sourceSecurityGroupOwnerId",
 "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke
outbound access to a destination security group, we recommend that you use a set of IP permissions
instead.</p>\n@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To
revoke outbound access to a destination security group, we recommend that you use a set of IP permissions
instead.*/

"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "sourceSecurityGroupOwnerId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke
outbound access to a destination security group, we recommend that you use a set of IP permissions
instead.</p>\n@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To
revoke outbound access to a destination security group, we recommend that you use a set of IP permissions
instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupOwnerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>\n@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>\n@return The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*/",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpProtocol",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipProtocol",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**\p> The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\p> @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead. */",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\p> @param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
{ "c2jName" : "FromPort",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\p> The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\p> @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withFromPort",
  "getterDocumentation" : "/**\p> The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\p> @param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead. */",
  "getterMethodName" : "getFromPort"
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "FromPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "fromPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<br/>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer"}
"documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<\p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<\p>",
"enumType" : null,
"fluentSetterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<\p>
@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<\p>
@return Returns a reference to this object so that method calls can be chained together.*\"
,
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.<\p>
@return The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*\"
,
"getterMethodName" : "getToPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "toPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param toPort The
end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the
port range in a set of IP permissions instead.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type
number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param toPort The
end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the
port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We
recommend that you specify the port range in a set of IP permissions instead.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CidrIp",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of
IP permissions instead.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR
range in a set of IP permissions instead.</p>\n@param cidrIp The CIDR IP address range. We recommend that you
specify the CIDR range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be
chained together.*/",
"fluentSetterMethodName" : "withCidrIp",
"getterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR
range in a set of IP permissions instead.</p>\n@return The CIDR IP address range. We recommend that you specify the
CIDR range in a set of IP permissions instead.*/",
"getterMethodName" : "getCidrIp",
"getterModel" : {
  "returnType" : "String",
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "cidrIp",
    "variableType" : "Integer",
    "documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of
IP permissions instead.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "xmlNameSpaceUri" : null
},
"enumType" : null,
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrIp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrIp",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrIp",
"setterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>\n@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.*/",
"setterMethodName" : "setCidrIp",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>\n@vararg cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrIp",
  "variableType" : "String",
  "documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/", 
"fluentSetterMethodName" : "withMember", 
"getterDocumentation" : "/**
@return */", 
"getterMethodName" : "getMember", 
"getterModel" : { 
 "returnType" : "IpPermission", 
 "documentation" : null 
 },
 "http" : { 
 "additionalMarshallingPath" : null, 
 "additionalUnmarshallingPath" : null, 
 "flattened" : false, 
 "greedy" : false, 
 "header" : false, 
 "isPayload" : false, 
 "isStreaming" : false, 
 "location" : null, 
 "marshallLocationName" : "Item", 
 "queryString" : false, 
 "statusCode" : false, 
 "unmarshallLocationName" : "item", 
 "uri" : false 
 },
 "idempotencyToken" : false, 
 "list" : false, 
 "listModel" : null, 
 "map" : false, 
 "mapModel" : null, 
 "name" : "Member", 
 "setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/", 
 "setterMethodName" : "setMember", 
 "setterModel" : { 
 "variableDeclarationType" : "IpPermission", 
 "variableName" : "member", 
 "variableType" : "IpPermission", 
 "documentation" : "", 
 "simpleType" : "IpPermission", 
 "variableSetterType" : "IpPermission" 
 },
 "simple" : false, 
 "varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/", 
 "variable" : { 
 "variableDeclarationType" : "IpPermission", 
 "variableName" : "member", 
 "variableType" : "IpPermission", 
 "documentation" : ""
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**\n\nA set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.\n\n@param ipPermissions A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range.*/",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"map" : false,
"simple" : false,
"varargSetterDocumentation" : "/**\nA set of IP permissions. You can't specify a destination security group
and a CIDR IP address range.\n\n<b>NOTE:</b> This method appends the values to the existing list (if any).
Use \{ @link #setIpPermissions(java.util.Collection) \} or \{ @link #withIpPermissions(java.util.Collection) \} if you
want to override the existing values.\n\n@returns Returns a reference to this object so that method
calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "A set of IP permissions. You can't specify a destination
security group and a CIDR IP address range.\n\n</p>\n@returns Returns a reference to this object so that method
calls can be chained together.*/",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "CidrIp" : {
    "c2jName" : "CidrIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCidrIp",
    "getterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
@return The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.*/",
    "getterMethodName" : "getCidrIp",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "CidrIp",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "cidrIp",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CidrIp",
    "setterDocumentation" : "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.*/",
    "setterMethodName" : "setCidrIp",
  }
}
"setterModel": {
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  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>
@param cidrIp The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlnsNameSpaceUri": null,
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"header" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
@param fromPort
The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*"/",
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"setterModel" : {
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  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>
\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.\n@return Returns a reference to this object so that method calls can be chained together.*"/",
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  "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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  "c2jName" : "GroupId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
  <p>The ID of the security group.</p>
  @param groupId The ID of the security group.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupId",
  "getterDocumentation" : "/**
  <p>The ID of the security group.</p>
  @return The ID of the security group.
  */",
  "getterMethodName" : "getGroupId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "GroupId",
  "setterDocumentation" : "/**
  <p>The ID of the security group.</p>
  @param groupId The ID of the security group.
  */",
  "setterMethodName" : "setGroupI",
  "setterModel" : {
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    "variableName" : "groupId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
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"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "IpPermission",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "IpPermission",
      "documentation": null
    },
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@member 
*/",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "IpPermission",
      "variableName": "member",
      "variableType": "IpPermission",
      "documentation": ""
    }
  }
}
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IpPermission",
"variableName" : "member",
"variableType" : "IpPermission",
"documentation" : "",
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
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"memberType" : "IpPermission",
"map" : false,
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"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a
CIDR IP address range.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.*/",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>
@param ipPermissions A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpPermissions(java.util.Collection)} or {@link #withIpPermissions(java.util.Collection)} if you want to override the existing values.</p>
@param ipPermissions A set of IP permissions. You can't specify a
destination security group and a CIDR IP address range.\n@return Returns a reference to this object so that method calls can be chained together.*/
  "variable" : {
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    "variableName" : "ipPermissions",
    "variableType" : "java.util.List<IpPermission>",
    "documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
    "simpleType" : "List<IpPermission>",
    "variableSetterType" : "java.util.Collection<IpPermission>"
  },
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},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IpProtocol",
"setterDocumentation": "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.*"",

"setterMethodName": "setIpProtocol",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>@param ipProtocol The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*"",

"variable": {
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  "variableType": "String",
  "documentation": "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
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  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SourceSecurityGroupName": {
  "c2jName": "SourceSecurityGroupName",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName": "withSourceSecurityGroupName",
  "getterDocumentation": "/**<p>The name of a destination security group. To revoke outbound access to a"}
destination security group, we recommend that you use a set of IP permissions instead.</p>
@return The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>

```java
 getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SourceSecurityGroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "sourceSecurityGroupName",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSourceSecurityGroupName",
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    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>
@param sourceSecurityGroupName The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
```
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    "simpleType" : "String",
    "variableSetterType" : "String"
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"XmlNodeSpaceUri" : null

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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
    "enumType" : null,
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    "fluentSetterMethodName" : "withSourceSecurityGroupId",
    "getterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>*/",
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        "documentation" : null
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        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SourceSecurityGroupId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "sourceSecurityGroupId",
        "uri" : false
    }
}
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p><p>@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.*/

.setterMethodName" : "setSourceSecurityGroupOwnerId",
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    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p><p>@param sourceSecurityGroupOwnerId The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/

.variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>

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    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>

.enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p><p>@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.
@return Returns a reference to this object so that method calls can be chained together.*/

."Simple" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}
chained together.*/",
   "fluentSetterMethodName" : "withToPort",
   "getterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@return The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
   "getterMethodName" : "getToPort",
   "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "ToPort",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "toPort",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "ToPort",
   "setterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/",
   "setterMethodName" : "setToPort",
   "setterModel" : {
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      "variableName" : "toPort",
      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
   },
   "simple" : true,
   "varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.*/"}
The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify
the port range in a set of IP permissions instead.

```
return
```

Returns a reference to this object so that method calls can be chained together.

```
*="/",

"variable" : {
   "variableDeclarationType" : "Integer",
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   "variableType" : "Integer",
   "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We
   recommend that you specify the port range in a set of IP permissions instead."",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
",
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupId" ],
"shapeName" : "RevokeSecurityGroupEgressRequest",
"unmarshaller" : null,
"variable" : {
   "variableDeclarationType" : "RevokeSecurityGroupEgressRequest",
   "variableName" : "revokeSecurityGroupEgressRequest",
   "variableType" : "RevokeSecurityGroupEgressRequest",
   "documentation" : null,
   "simpleType" : "RevokeSecurityGroupEgressRequest",
   "variableSetterType" : "RevokeSecurityGroupEgressRequest"
},
"wrapper" : false
",
"RevokeSecurityGroupEgressResult" : {
   "c2jName" : "RevokeSecurityGroupEgressResult",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false
   },
   "deprecated" : false,
   "documentation" : null,
   "enums" : null,
   "errorCode" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "marshaller" : null,
   "members" : null,
   "simpleType" : "RevokeSecurityGroupEgressResult",
   "variableSetterType" : "RevokeSecurityGroupEgressRequest"
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"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RevokeSecurityGroupEgressResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "RevokeSecurityGroupEgressResult",
"variableName" : "revokeSecurityGroupEgressResult",
"variableType" : "RevokeSecurityGroupEgressResult",
"documentation" : null,
"simpleType" : "RevokeSecurityGroupEgressResult",
"variableSetterType" : "RevokeSecurityGroupEgressResult"
},
"wrapper" : false
},
"RevokeSecurityGroupIngressRequest" : {
"c2jName" : "RevokeSecurityGroupIngressRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RevokeSecurityGroupIngress.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : {
"action" : "RevokeSecurityGroupIngress",
"locationName" : null,
"requestUri" : "/",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"enumType": null,
"fluentSetterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroupName",
"getterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@return [EC2-Classic, default VPC] The name of the security group.*/",
"getterMethodName": "getGroupName",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "GroupName",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupName",
"setterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroupName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "groupName",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "<p>[EC2-Classic, default VPC] The name of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"c2jName": "GroupId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
* @param groupId The ID of the security group. Required for a security group in a nondefault VPC.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGroupId",
"getterDocumentation": "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>"
* @return The ID of the security group. Required for a security group in a nondefault VPC.*",
"getterMethodName": "getGroupId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "GroupId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupId",
"setterDocumentation": "/**<p>The ID of the security group. Required for a security group in a nondefault VPC. */",
"setterMethodName": "withGroupId",
"setterModel": {
  "returnType": "String",
  "documentation": null
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupId",
"setterDocumentation": "/**<p>The ID of the security group. Required for a security group in a nondefault VPC. */",
"setterMethodName": "withGroupId",
"setterModel": {
  "returnType": "String",
  "documentation": null
}
VPC.<br/>
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.*/*

"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"complexType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
@return Returns a reference to this object so that method calls can be chained together.*/*
"complexType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SourceSecurityGroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

"complexType" : "null",
"fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

"complexType" : "null",
"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

"complexType" : "null",
"getterMethodName" : "getSourceSecurityGroupName"
the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/

"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocationName" : "SourceSecurityGroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "/**\n\n[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/\n\n@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*/"

"setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceSecurityGroupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of
the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the
same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions
instead.

@param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security
group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range,
the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group
must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions
instead.

@return Returns a reference to this object so that method calls can be chained together.

"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceSecurityGroupName",
  "variableType": "String",
  "documentation": "[EC2-Classic, default VPC] The name of the source security group. You can't specify
this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range,
the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead."
},

"c2jName": "SourceSecurityGroupName",
"c2jShape": "String",
"deprecated": false,
"documentation": "[EC2-Classic] The AWS account ID of the source security group, if the source security
group is in a different account. You can't specify this parameter in combination with the following parameters: the
CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. For EC2-VPC, the source
security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead."
,"enumType": null,
"fluentSetterDocumentation": "[EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following parameters: the
CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. For EC2-VPC, the source
security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation": "[EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following parameters: the
CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. For EC2-VPC, the source
security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@returns Returns a reference to this object so that method calls can be chained together.

"getterMethodName": "getSourceSecurityGroupOwnerId",
"getterModel": {
...}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupOwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceSecurityGroupOwnerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p><p>@param
sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>*/",
"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupOwnerId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the
source security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p><p>@param
sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source
security group is in a different account. You can't specify this parameter in combination with the following
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To
revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>*/
"varargSetterMethodName" : "setSourceSecurityGroupOwnerId",...
parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@return Returns a reference to this object so that method calls can be chained together.*/

}.

"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.<p/>

"simpleType" : "String",
"variableDeclarationType" : "String",
"variableName" : "sourceSecurityGroupId",
"variableType" : "String",
"documentation" : "The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

"getterDocumentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.

"getterMethodName" : "getIpProtocol",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IpProtocol",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "IpProtocol",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IpProtocol",
"setterDocumentation": "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>,
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setIpProtocol",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ipProtocol",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The IP protocol name (<code>tcp</code>, <code>udp</code>,
<code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ipProtocol",
  "variableType": "String",
  "documentation": "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"
"xmlNameSpaceUri": null,
}
"c2jName": "FromPort",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\"",
"enumType": null,
"fluentSetterDocumentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\n\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\n\n@return Returns a reference to this object so that method calls can be chained together.\"",
"fluentSetterMethodName": "withFromPort",
"getterDocumentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\n\n@return The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\"",
"getterMethodName": "getFromPort",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"маршаллLocationName": "FromPort",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "FromPort",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "FromPort",
"setterDocumentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\n\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use \&lt;code\>-1\&lt;/code\> to specify all ICMP types.\""
"setterMethodName" : "setFromPort",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "fromPort",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n@param fromPort The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.</p>
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withToPort",
        "getterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.*/",
        "getterMethodName" : "getToPort",
        "getterModel" : {
            "returnType" : "Integer",
            "documentation" : null
        },
        "http" : {
            "setterMethodName" : "setToPort",
            "setterModel" : {
                "variableDeclarationType" : "Integer",
                "variableName" : "toPort",
                "variableType" : "Integer",
                "documentation" : "",
                "simpleType" : "Integer",
                "variableSetterType" : "Integer"
            },
            "simple" : true,
            "varargSetterDocumentation" : "/**<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.\n@return Returns a reference to this object so that method calls can be chained together.*/",
            "variable" : {
                "variableDeclarationType" : "Integer",
                "variableName" : "toPort",
                "variableType" : "Integer",
                "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.</p>
                "simpleType" : "Integer",
                "variableSetterType" : "Integer"
            },
            "xmlNameSpaceUri" : null
        }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ToPort",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ToPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "/**\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use <code>-1</code> to specify all ICMP codes for the ICMP type."
},
"xmlNameSpaceUri" : null,
    }, {
    "c2jName" : "CidrIp",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
\n@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCidrIp",
    "getterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
\n@return The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
    "getterMethodName" : "getCidrIp",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "CidrIp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "CidrIp",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "CidrIp",
    "setterDocumentation" : "/**<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
\n@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setCidrIp",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "......"
"variableName": "cidrIp",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n*p The CIDR IP address range. You can't specify this parameter when specifying a source security group.<\p>\n@\n@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "cidrIp",
"variableType": "String",
"documentation": "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
},
"c2jName": "IpPermissions",
"c2jShape": "IpPermissionList",
"deprecated": false,
"documentation": "<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n*p A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n@\n@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIpPermissions",
"getterDocumentation": "/**\n*p A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n@\n@return A set of IP permissions. You can't specify a source security group and a CIDR IP address range.*/",
"getterMethodName": "getIpPermissions",
"getterModel": {
"returnType": "java.util.List<IpPermission>",
"documentation": null
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"http": {
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"header": false,
"isPayload": false,
{"isStreaming":false,
"location":null,
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"queryString":false,
"statusCode":false,
"unmarshallLocationName":"IpPermissions",
"uri":false,
"idempotencyToken":false,
"list":true,
"listModel":{
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"interfaceType":"java.util.List",
"listMemberModel":{
"c2jName":"member",
"c2jShape":"IpPermission",
"deprecated":false,
"documentation":null,
"enumType":null,
"fluentSetterDocumentation":"/**
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@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName":"withMember",
"getterDocumentation":"/**\n@return */",
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"greedy":false,
"header":false,
"isPayload":false,
"isStreaming":false,
"location":null,
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"queryString":false,
"statusCode":false,
"unmarshallLocationName":"item",
"uri":false,
"idempotencyToken":false,
"list":false,
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"map":false,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
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},
"memberLocationName" : "item",
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>
/*\n@ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.*/",
"setterMethodName" : "setIpPermissions",
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  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "java.util.List<IpPermission>",
  "variableSetterType" : "java.util.List<IpPermission>"
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>",
},
"simple" : false,
"varargSetterDocumentation" : "/**\n A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n NOTE: This method appends the values to the existing list (if any). Use \{ @link #setIpPermissions(java.util.Collection) \} or \{ @link #withIpPermissions(java.util.Collection) \} if you want to override the existing values.\n @param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "ipPermissions",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "A set of IP permissions. You can't specify a source security group and a CIDR IP address range.\n",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>",
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"xmlNameSpaceUri" : null
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  "CidrIp" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n",
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    "fluentSetterDocumentation" : "/**\n The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n\n @param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withCidrIp",
    "getterDocumentation" : "/**\n The CIDR IP address range. You can't specify this parameter when specifying a source security group.\n",
    "getterMethodName" : "getCidrIp",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
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"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CidrIp",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrIp",
"setterDocumentation": "/**
<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.*/",
"setterMethodName": "setCidrIp",
"setterModel": {
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  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>
@param cidrIp The CIDR IP address range. You can't specify this parameter when specifying a source security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "cidrIp",
  "variableType": "String",
  "documentation": "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"FromPort": {
  "c2jName": "FromPort",
  "c2jShape": "Integer",
  "deprecated": false,
  "documentation": "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For
the ICMP type number, use `<code>-1</code>` to specify all ICMP types.

```javascript
"enumType" : null,
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@param fromPort
The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use `<code>-1</code>` to specify all ICMP types.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use `<code>-1</code>` to specify all ICMP types.</p>
@return The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use `<code>-1</code>` to specify all ICMP types.*/",
"getterMethodName" : "getFromPort",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FromPort",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/**<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use `<code>-1</code>` to specify all ICMP types.</p>
@param fromPort
The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use `<code>-1</code>` to specify all ICMP types.*/",
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"variableType" : "Integer",
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"simpleType": "Integer",
"variableSetterType": "Integer"
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"simple": true,
"varargSetterDocumentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.

@<param fromPort>
The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.

@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
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  "variableName": "fromPort",
  "variableType": "Integer",
  "documentation": "The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use <code>-1</code> to specify all ICMP types.

@<return>

Returns a reference to this object so that method calls can be chained together. */",
"xmlNameSpaceUri": null
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"GroupId": {
  "c2jName": "GroupId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the security group. Required for a security group in a nondefault VPC.

@<param groupId>
The ID of the security group. Required for a security group in a nondefault VPC.

@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withGroupId",
"getterDocumentation": "The ID of the security group. Required for a security group in a nondefault VPC.

@<getterMethod>
The ID of the security group. Required for a security group in a nondefault VPC.

@<getterMethod>

The ID of the security group. Required for a security group in a nondefault VPC.

@<getterMethod>"},
"getterMethodName": "getGroupId",
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "GroupId",
  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "GroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**
<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.
*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
@param groupId The ID of the security group. Required for a security group in a nondefault VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "<p>The ID of the security group. Required for a security group in a nondefault VPC.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
"c2jName" : "GroupName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] The name of the security group.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param name @param groupName [EC2-Classic, default VPC] The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**
<p>[EC2-Classic, default VPC] The name of the security group.</p>
"getterMethodName" : "withGroupName",
"name" : "GroupName",
"setterDocumentation" : "/**
<p>[EC2-Classic, default VPC] The name of the security group.</p>
@param name The name of the security group.
*/"}
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  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "queryString": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupName",
"setterDocumentation": "/**\n[EC2-Classic, default VPC] The name of the security group.\n@param groupName [EC2-Classic, default VPC] The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setGroupName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupName",
  "variableType": "String",
  "documentation": "/\n[EC2-Classic, default VPC] The name of the security group.\n@\n[EC2-Classic, default VPC] The name of the security group.\n@\nreturn Returns a reference to this object so that method calls can be chained together.*/",
  "simple": true,
  "varargSetterDocumentation": "/**\n[EC2-Classic, default VPC] The name of the security group.\n@param groupName [EC2-Classic, default VPC] The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "groupName",
    "variableType": "String",
    "documentation": "<\n[EC2-Classic, default VPC] The name of the security group.<\n@\n[EC2-Classic, default VPC] The name of the security group.<\n@\nreturn Returns a reference to this object so that method calls can be chained together.*/",
    "simple": true,
    "varargSetterType": "String"}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "IpPermission",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
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"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
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  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission"}
"documentation" : "",
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>
",
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/*<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>*/
@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
 "variableName" : "ipPermissions",
 "variableType" : "java.util.List<IpPermission>",
 "documentation" : "",
 "simpleType" : "List<IpPermission>",
 "variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>*/
@param ipPermissions A set of IP permissions. You can't specify a source security group and a CIDR IP address range.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
 "variableName" : "ipPermissions",
 "variableType" : "java.util.List<IpPermission>",
 "documentation" : "<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>",
 "simpleType" : "List<IpPermission>",
 "variableSetterType" : "java.util.Collection<IpPermission>"
"IpProtocol" : {
  "c2jName" : "IpProtocol",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all."
},

"XmlNameSpaceUri" : null,

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpProtocol",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "IpProtocol",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)). Use <code>-1</code> to specify all.</p>*/",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)). Use <code>-1</code> to specify all.</p>
@param ipProtocol The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)). Use <code>-1</code> to specify all.</p>*/
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). Use <code>-1</code> to specify all.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SourceSecurityGroupName" : {
  "c2jName" : "SourceSecurityGroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] The name of the source security group.
*/"
You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withSourceSecurityGroupName",
"getterDocumentation" : "\n[p] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceSecurityGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "\n[p] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/

"setterModel" : {
"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SourceSecurityGroupName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceSecurityGroupName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupName",
"setterDocumentation" : "\n[p] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/

"setterModel" : {
"getterMethodName" : "getSourceSecurityGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*"/",

setterMethodName" : "setSourceSecurityGroupName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : ",",
    "complexType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* [EC2-Classic, default VPC] The name of the source security group.
* You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
* @param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group.
* @return Returns a reference to this object so that method calls can be chained together.
*/

variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupName",
    "variableType" : "String",
    "documentation" : "[@EC2-Classic, default VPC] The name of the source security group.
You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
*param sourceSecurityGroupName [EC2-Classic, default VPC] The name of the source security group.
* @return Returns a reference to this object so that method calls can be chained together.
*/

"SourceSecurityGroupOwnerId" : {
    "c2jName" : "SourceSecurityGroupOwnerId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "[@EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
*param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.
*/

sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

\@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

\@return Returns a reference to this object so that method calls can be chained together.*\*/

"fluentSetterMethodName" : "withSourceSecurityGroupOwnerId",
"getterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>

\@return [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account.
You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*\*/

"setterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*\*/

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SourceSecurityGroupOwnerId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceSecurityGroupOwnerId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SourceSecurityGroupOwnerId",
"setterDocumentation" : "/**<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.*\*/

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"setterMethodName" : "setSourceSecurityGroupOwnerId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : ".",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*.<\p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.<\p>\n@param sourceSecurityGroupOwnerId [EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.<\p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "sourceSecurityGroupOwnerId",
    "variableType" : "String",
    "documentation" : "<p>[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ToPort" : {
    "c2jName" : "ToPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*.<\p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withToPort",
    "getterDocumentation" : "/*.<\p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type.&lt;/p&gt;\n@return The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use &lt;code&gt;1&lt;/code&gt; to specify all ICMP codes for the ICMP type."
code number, use `<code>-1</code>` to specify all ICMP codes for the ICMP type.*/*/,

"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ToPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : "*/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use `<code>-1</code>` to specify all ICMP codes for the ICMP type.</p>\@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use `<code>-1</code>` to specify all ICMP codes for the ICMP type.*/",

"setterMethodName" : "setToPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "toPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "*/**<p>The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use `<code>-1</code>` to specify all ICMP codes for the ICMP type.</p>\n@param toPort The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use `<code>-1</code>` to specify all ICMP codes for the ICMP type.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
  "variableDeclarationType" : "Integer",
"variableName" : "toPort",
"variableType" : "Integer",
"documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use \(<code>-1</code>\) to specify all ICMP codes for the ICMP type.\</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RevokeSecurityGroupIngressRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "RevokeSecurityGroupIngressRequest",
"variableName" : "revokeSecurityGroupIngressRequest",
"variableType" : "RevokeSecurityGroupIngressRequest",
"documentation" : null,
"simpleType" : "RevokeSecurityGroupIngressRequest",
"variableSetterType" : "RevokeSecurityGroupIngressRequest"
},
"wrapper" : false
},
"RevokeSecurityGroupIngressResult" : {
"c2jName" : "RevokeSecurityGroupIngressResult",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
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The prefix of the AWS service.

```java
@returns Returns a reference to this object so that method calls can be chained together.
```

```java
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The ID of a NAT gateway.</p>
"simpleType" : "String",
"variableSetterType" : "String"
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  "additionalUnmarshallingPath": null,
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  "isStreaming": false,
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  "statusCode": false,
  "unmarshallLocationName": "natGatewayId",
  "uri": false
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"map": false,
"mapModel": null,
"name": "NatGatewayId",
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"setterMethodName": "setNatGatewayId",
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  "variableSetterType": "String"
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  "documentation": "<p>The ID of a NAT gateway.</p>",
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"c2jName": "State",
"c2jShape": "RouteState",
"deprecated": false,
The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).

- **routeState**: The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
- **getState**: The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
- **setState**: The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).

```json
"documentation": "<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>",
"enumType": "RouteState",
"fluentSetterDocumentation": "/*<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>*/
@param state The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
@return Returns a reference to this object so that method calls can be chained together.
@see RouteState*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/*
<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>
@return The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
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"mapModel": null,
"name": "State",
"setterDocumentation": "/*<p>The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>*/
@param state The state of the route. The `<code>blackhole</code>` state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
  </p><param state The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).
  </param>@return Returns a reference to this object so that method calls can be chained together.
  @see RouteState*/",
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  </param>,
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  "variableSetterType" : "String"
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"c2jShape" : "RouteOrigin",
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"documentation" : "Describes how the route was created.
  </p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.
  </param><code>CreateRoute</code> - The route was manually added to the route table.
  </param><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.
  </param>@return Returns a reference to this object so that method calls can be chained together.
  @see RouteOrigin*/",
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  </p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.
  </param><code>CreateRoute</code> - The route was manually added to the route table.
  </param><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.
  </param>@return Returns a reference to this object so that method calls can be chained together.
  @see RouteOrigin*/",
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"getterDocumentation" : "Describes how the route was created.
  </p><code>CreateRouteTable</code> - The route was automatically created when the route table was created.
  </param><code>CreateRoute</code> - The route was manually added to the route table.
  </param><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.
  </param>@return Returns a reference to this object so that method calls can be chained together.
  @see RouteOrigin*/"
The route was propagated by route propagation.

The route was automatically created when the route table was created.

The route was manually added to the route table.

The route was propagated by route propagation.

Describes how the route was created.

The route was automatically created when the route table was created.

The route was manually added to the route table.

The route was propagated by route propagation.

Describes how the route was created.

The route was automatically created when the route table was created.

The route was manually added to the route table.

The route was propagated by route propagation.

Describes how the route was created.
"simple" : true,
"varargSetterDocumentation" : "/** <p>Describes how the route was created.</p> <ul>
<li> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li>
<li> <code>CreateRoute</code> - The route was manually added to the route table.</li>
<li> <code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</li>
</ul>
@param origin Describes how the route was created.
@return Returns a reference to this object so that method calls can be chained together.

@see RouteOrigin*/",

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<li> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li>
<li> <code>CreateRoute</code> - The route was manually added to the route table.</li>
<li> <code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</li>
</ul>
"returnType" : "String",
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"c2jName" : "DestinationIpv6CidrBlock",
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"documentation" : "<p>The IPv6 CIDR block used for the destination match.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The IPv6 CIDR block used for the destination match.\n@return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withDestinationIpv6CidrBlock",
"getterDocumentation" : "/** <p>The IPv6 CIDR block used for the destination match.\n@return The IPv6 CIDR block used for the destination match.*/",

"getterMethodName" : "getDestinationIpv6CidrBlock",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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"statusCode" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param
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  "documentation" : "",
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  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The IPv6 CIDR block used for the destination match.</p>
@param
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"xmlNameSpaceUri" : null
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  "c2jName" : "EgressOnlyInternetGatewayId",
  "c2jShape" : "String",
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  "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
\n@return The ID of the"
egress-only Internet gateway.*"/
  
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    "header" : false,
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    "isStreaming" : false,
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  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**<p>The ID of the egress-only Internet gateway.</p>
@param
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    "variableSetterType" : "String"
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@returns
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@return The IPv4 CIDR block used for the destination match.*="/",
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"variableSetterType" : "String"
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@param destinationCidrBlock The IPv4 CIDR block used for the destination match.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"DestinationIpv6CidrBlock" : {
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"variableSetterType" : "String"
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@param destinationIpv6CidrBlock The IPv6 CIDR block used for the destination match.</p>*/",
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"variableSetterType" : "String"
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@return The prefix of the AWS service.</p>

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"variableSetterType" : "String"
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"variable" : {
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"variableType" : "String",
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"Open Source Used In Virtualized Voice Browser 12.6(1) 25614"
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   "additionalUnmarshallingPath" : null,
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   "greedy" : false,
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   "queryString" : false,
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"map" : false,
"mapModel" : null,
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@returns A reference to this object so that method calls can be chained together. */",
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@returns A reference to this object so that method calls can be chained together. */",
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},
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  "documentation" : "&lt;p&gt;The ID of the egress-only Internet gateway.&lt;/p&gt;",
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   @param
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   @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType": "String"
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"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of a gateway attached to your VPC.</p>
@param gatewayId The ID of a gateway attached to your VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withGatewayId",
"getterDocumentation": "/**<p>The ID of a gateway attached to your VPC.</p>
@return The ID of a gateway attached to your VPC.*/",
"getterMethodName": "getGatewayId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GatewayId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "gatewayId",
"uri": false
{"idempotencyToken":false,
"list":false,
"listModel":null,
"map":false,
"mapModel":null,
"name":"GatewayId",
"setterDocumentation":"/**\n<p>The ID of a gateway attached to your VPC.</p>\n@param gatewayId The ID of a gateway attached to your VPC.*/",
"setterMethodName":"setGatewayId",
"setterModel":{
"variableDeclarationType":"String",
"variableName":"gatewayId",
"variableType":"String",
"documentation":"",
"simpleType":"String",
"variableSetterType":"String"
},
"simple":true,
"varargSetterDocumentation":"/**\n<p>The ID of a gateway attached to your VPC.</p>\n@param gatewayId The ID of a gateway attached to your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable":{
"variableDeclarationType":"String",
"variableName":"gatewayId",
"variableType":"String",
"documentation":"\n<p>The ID of a gateway attached to your VPC.\n@return The ID of a NAT instance in your VPC.*/",
"getterMethodName":"getInstanceId",
"getterModel":{
"returnType":"String",
"documentation":null
},
"InstanceId":{
"c2jName":"InstanceId",
"c2jShape":"String",
"deprecated":false,
"documentation":"<p>The ID of a NAT instance in your VPC.</p>",
"enumType":null,
"fluentSetterDocumentation":"/**\n<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName":"withInstanceId",
"getterDocumentation":"/**\n<p>The ID of a NAT instance in your VPC.</p>\n@return The ID of a NAT instance in your VPC.*/",
"returnType":"String",
"documentation":null
}"}
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocationName": "InstanceId",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "instanceId",  
  "uri": false  
},  
"idempotencyToken": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"name": "InstanceId",  
"setterDocumentation": "/**\n<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a NAT instance in your VPC.*/",  
"setterMethodName": "setInstanceId",  
"setterModel": {  
  "variableDeclarationType": "String",  
  "variableName": "instanceId",  
  "variableType": "String",  
  "documentation": "",  
  "simpleType": "String",  
  "variableSetterType": "String"  
},  
"simple": true,  
"varargSetterDocumentation": "/**\n<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable": {  
  "variableDeclarationType": "String",  
  "variableName": "instanceId",  
  "variableType": "String",  
  "documentation": "\n<p>The ID of a NAT instance in your VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",  
  "simpleType": "String",  
  "variableSetterType": "String"  
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"xmlNameSpaceUri": null  
},  
"InstanceOwnerId": {  
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  "list": false,  
  "listModel": null,  
  "map": false,  
  "mapModel": null,  
  "name": "InstanceId",  
  "setterDocumentation": "/**\n<p>The ID of a NAT instance in your VPC.</p>\n@param instanceId The ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
  "setterMethodName": "setInstanceId",  
  "setterModel": {  
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    "variableName": "instanceId",  
    "variableType": "String",  
    "documentation": "",  
    "simpleType": "String",  
    "variableSetterType": "String"  
  },  
  "simple": true,  
  "varargSetterDocumentation": "/**\n<p>The ID of a NAT instance in your VPC.\n@param instanceId The ID of a NAT instance in your VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",  
  "variable": {  
    "variableDeclarationType": "String",  
    "variableName": "instanceId",  
    "variableType": "String",  
    "documentation": "\n<p>The ID of a NAT instance in your VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",  
    "simpleType": "String",  
    "variableSetterType": "String"  
  },  
  "xmlNameSpaceUri": null  
}
"c2jName" : "InstanceOwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@return The AWS account ID of the owner of the instance.*/",
"getterMethodName" : "getInstanceOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceOwnerId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceOwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the instance.</p>
@param instanceOwnerId The AWS account ID of the owner of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceOwnerId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceOwnerId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},


"mapModel": null,
"name": "NatGatewayId",
"setterDocumentation": "/**<p>The ID of a NAT gateway.</p>
@param natGatewayId The ID of a NAT gateway.</p>*/",
"setterMethodName": "setNatGatewayId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "natGatewayId",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of a NAT gateway.</p>
@param natGatewayId The ID of a NAT gateway.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "natGatewayId",
"variableType": "String",
"documentation": <p>The ID of a NAT gateway.</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"NetworkInterfaceId": {
"c2jName": "NetworkInterfaceId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkInterfaceId",
"getterDocumentation": "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.</p>*/",
"getterMethodName": "getNetworkInterfaceId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
<code>CreateRouteTable</code> - The route was automatically created when the route table was created. 
<code>CreateRoute</code> - The route was manually added to the route table.
<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.

<code>CreateRouteTable</code> - The route was automatically created when the route table was created.

<code>CreateRoute</code> - The route was manually added to the route table.

<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.

The route was automatically created when the route table was created.

<code>CreateRoute</code> - The route was manually added to the route table.

<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.

The route was automatically created when the route table was created.

<code>CreateRoute</code> - The route was manually added to the route table.

<code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.

Returns a reference to this object so that method calls can be chained together.

@see RouteOrigin*/

"fluentSetterMethodName" : "withOrigin",
"getterDocumentation" : "/**\n* Describes how the route was created.\n* \n* @return Describes how the route was created.\n* \n* @see RouteOrigin*/\n",
"getterMethodName" : "getOrigin",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Origin",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "origin",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Origin",
"setterDocumentation" : "/**\n* Describes how the route was created.\n* \n* @return Describes how the route was created.\n* \n* @see RouteOrigin*/\n",
"setterMethodName" : "setOrigin".

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<li><code>CreateRoute</code> - The route was manually added to the route table.</li>
<li><code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li>
<li><code>CreateRouteTable</code> - The route was automatically added to the route table.</li>
<li><code>CreateRoute</code> - The route was manually added to the route table.</li>
<li><code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li>

@see <code>RouteOrigin*/</code>.

```
"setterMethodName" : "setOrigin",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/#\</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.</p> <ul>

```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "origin",
"variableType" : "String",
"documentation" : "Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@param origin Describes how the route was created.</p> <ul> <li> <p> <code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li> <p> <code>CreateRoute</code> - The route was manually added to the route table.</li> <li> <p> <code>CreateVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>
@return Returns a reference to this object so that method calls can be chained together.
the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p>
@see RouteState*/

"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "

"getterMethod`
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).<p>

@param state The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).

@return Returns a reference to this object so that method calls can be chained together.

@see RouteState*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated)."
},
"xmlNameSpaceUri" : null
},
"VpcPeeringConnectionId" : {
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the VPC peering connection."
},
"fluentSetterDocumentation" : "<p>The ID of the VPC peering connection.

@param vpcPeeringConnectionId The ID of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together.

@see VpcPeeringConnectionId*
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "The ID of the VPC peering connection."
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.*\*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that
method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>
", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "Route",
"unmarshalled" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Route",
...
"variableName": "route",
"variableType": "Route",
"documentation": null,
"simpleType": "Route",
"variableSetterType": "Route"
},
"wrapper": false
},
"RouteOrigin": {
 "c2jName": "RouteOrigin",
 "customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
 },
 "deprecated": false,
 "documentation": "",
 "enums": [ {
  "name": "CreateRouteTable",
  "value": "CreateRouteTable"
 }, {
  "name": "CreateRoute",
  "value": "CreateRoute"
 }, {
  "name": "EnableVgwRoutePropagation",
  "value": "EnableVgwRoutePropagation"
 } ],
 "errorCode": null,
 "hasHeaderMember": false,
 "hasPayloadMember": false,
 "hasStatusCodeMember": false,
 "hasStreamingMember": false,
 "marshaller": null,
 "members": null,
 "membersAsMap": { },
 "requestSignerAware": false,
 "requestSignerClassFqcn": null,
 "required": null,
 "shapeName": "RouteOrigin",
 "unmarshaller": {
  "flattened": false,
  "resultWrapper": null
 },
 "variable": {
  "variableDeclarationType": "RouteOrigin",
  "variableName": "routeOrigin",
  "variableType": "RouteOrigin"
"documentation": null,
"simpleType": "RouteOrigin",
"variableSetterType": "RouteOrigin"
},
"wrapper": false
},
"RouteState": {
"c2jName": "RouteState",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "Active",
    "value": "active"
  },
  {
    "name": "Blackhole",
    "value": "blackhole"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "RouteState",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "RouteState",
  "variableName": "routeState",
  "variableType": "RouteState",
  "documentation": null,
  "simpleType": "RouteState",
  "variableSetterType": "RouteState"
},
"wrapper": false
"RouteTable" : {
  "c2jName" : "RouteTable",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a route table.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "RouteTableId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the route table.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The ID of the route table.",
    "getterDocumentation" : "The ID of the route table.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : { "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "RouteTableId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "routeTableId",
      "uri" : false
    },
    "returnType" : "String",
    "documentation" : null
  }
}
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : 
  "<p>The ID of the route table.</p>
  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
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"c2jName" : "Routes",
"c2jShape" : "RouteList",
"deprecated" : false,
"documentation" : "<p>The routes in the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The routes in the route table.</p>
@param routes The routes in the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoutes", Returns a reference to this object so that method calls can be chained together.*/"}
"getterDocumentation" : "/**\n<p>The routes in the route table.</p>\n@returns The routes in the route table.*/",
"getterMethodName" : "getRoutes",
"getterModel" : {
  "returnType" : "java.util.List<Route>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeSet",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Route",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Route",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Route",
  "documentation" : "",
  "simpleType" : "Route",
  "variableSetterType" : "Route"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Route",
  "documentation" : "",
  "simpleType" : "Route",
  "variableSetterType" : "Route"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Route",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Route",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Route>",
"templateType" : "java.util.List<Route>"
"setterDocumentation" : "/**<p>The routes in the route table.</p>
@param routes The routes in the route table.
*/",
"setterMethodName" : "setRoutes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"
},
"simple" : false,
"varargsSetterDocumentation" : "/**<p>The routes in the route table.</p>
<h2>NOTE:</h2> This method appends the values to the existing list (if any). Use {@link #setRoutes(java.util.Collection)} or {@link #withRoutes(java.util.Collection)} if you want to override the existing values.
@param routes The routes in the route table.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
    "variableName" : "routes",
    "variableType" : "java.util.List<Route>",
    "documentation" : "The routes in the route table.
", "simpleType" : "List<Route>",
    "variableSetterType" : "java.util.Collection<Route>"
  },
  "xmlNameSpaceUri" : null,
},
"c2jName" : "Associations",
"c2jShape" : "RouteTableAssociationList",
"deprecated" : false,
"documentation" : "<p>The associations between the route table and one or more subnets.</p>
","enumType" : null,
"fluentSetterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@param associations The associations between the route table and one or more subnets.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withAssociations",
"getterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@return The associations between the route table and one or more subnets.
*/",
"getterMethodName" : "getAssociations",
"getterModel" : {
  "returnType" : "java.util.List<RouteTableAssociation>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "associationSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {  
"c2jName" : "member",
"c2jShape" : "RouteTableAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "RouteTableAssociation",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
}.
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RouteTableAssociation",
  "variableName" : "member",
  "variableType" : "RouteTableAssociation",
  "documentation" : "",
  "simpleType" : "RouteTableAssociation",
  "variableSetterType" : "RouteTableAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "RouteTableAssociation",
  "variableName" : "member",
  "variableType" : "RouteTableAssociation",
  "documentation" : "",
  "simpleType" : "RouteTableAssociation",
  "variableSetterType" : "RouteTableAssociation"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "RouteTableAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RouteTableAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"templateType" : "java.util.List<RouteTableAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Associations",
"setterDocumentation" : "/**\n@param associations The associations between the route table and one or more subnets.*/",
"setterMethodName" : "setAssociations",
"setterModel" : {
  "variableDeclarationType" : "RouteTableAssociation",
  "variableName" : "associations",
  "variableType" : "RouteTableAssociation",
  "documentation" : "",
  "simpleType" : "RouteTableAssociation",
  "variableSetterType" : "RouteTableAssociation"
},
"simple" : false,
"simpleType" : "RouteTableAssociation",
"sendEmptyQueryString" : false,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"templateType" : "java.util.List<RouteTableAssociation>"
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"variableName" : "associations",
"variableType" : "java.util.List<RouteTableAssociation>",
"documentation" : "",
"simpleType" : "List<RouteTableAssociation>",
"variableSetterType" : "java.util.Collection<RouteTableAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setAssociations(java.util.Collection)} or {@link #withAssociations(java.util.Collection)} if you want to override the existing values.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
  "variableName" : "associations",
  "variableType" : "java.util.List<RouteTableAssociation>",
  "documentation" : "<p>The associations between the route table and one or more subnets.</p>",
  "simpleType" : "List<RouteTableAssociation>",
  "variableSetterType" : "java.util.Collection<RouteTableAssociation>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the route table.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the route table.</p>\n@return Any tags assigned to the route table.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName": "Tag",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "tag",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "Tag",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@getMember",
"getterMethodType": "getMember",
"getterModel": {
"returnType": "Tag",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */"
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>@param member @return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the route table.</p>*/
@param tags Any tags assigned to the route table.*/
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
}
"simple": false,
"varargSetterDocumentation": "/**\n<p>Any tags assigned to the route table.</p>
\n<code>NOTE:</code> This method appends the values to the existing list (if any). Use \{ @link #setTags(java.util.Collection) \} or \{ @link #withTags(java.util.Collection) \} if you want to override the existing values.</code>\n<p>\n@par tags Any tags assigned to the route table.\n@retrum Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "<p>Any tags assigned to the route table.</p>",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
{
  "c2jName": "PropagatingVgws",
  "c2jShape": "PropagatingVgwList",
  "deprecated": false,
  "documentation": "<p>Any virtual private gateway (VGW) propagating routes.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n<p>Any virtual private gateway (VGW) propagating routes.</p>
@par propagatingVgws Any virtual private gateway (VGW) propagating routes.\n@retrum Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withPropagatingVgws",
  "getterDocumentation": "/**\n<p>Any virtual private gateway (VGW) propagating routes.</p>
@retrum Any virtual private gateway (VGW) propagating routes.*/",
  "getterMethodName": "getPropagatingVgws",
  "getterModel": {
    "returnType": "java.util.List<PropagatingVgw>",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PropagatingVgwSet",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "propagatingVgwSet",
    "uri": false
  },
  "idempotencyToken": false,
  "list": true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "PropagatingVgw",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "PropagatingVgw",
            "documentation" : null
        }
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Item",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "item",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member\n*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
        "variableDeclarationType" : "PropagatingVgw",
        "variableName" : "member",
        "variableType" : "PropagatingVgw",
        "documentation" : "",
        "simpleType" : "PropagatingVgw",
        "variableSetterType" : "PropagatingVgw"}
"variable" : {
  "variableDeclarationType" : "PropagatingVgw",
  "variableName" : "member",
  "variableType" : "PropagatingVgw",
  "documentation" : "",
  "simpleType" : "PropagatingVgw",
  "variableSetterType" : "PropagatingVgw"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "PropagatingVgw",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PropagatingVgw",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
"templateType" : "java.util.List<PropagatingVgw>"
},
"map" : false,
"mapModel" : null,
"name" : "PropagatingVgws",
"setterDocumentation" : /\**<p>Any virtual private gateway (VGW) propagating routes.</p><p>@param propagatingVgws Any virtual private gateway (VGW) propagating routes.</p>\*/",
"setterMethodName" : "setPropagatingVgws",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
  "variableName" : "propagatingVgws",
  "variableType" : "java.util.List<PropagatingVgw>",
  "documentation" : "",
  "simpleType" : "List<PropagatingVgw>",
  "variableSetterType" : "java.util.Collection<PropagatingVgw>"
}
},
"simple" : false,
"varargSetterDocumentation" : /\**<p>Any virtual private gateway (VGW) propagating routes.</p><p>Note: This method appends the values to the existing list (if any). Use @link #setPropagatingVgws(java.util.Collection) or @link #withPropagatingVgws(java.util.Collection) if you want to override the existing values.</p><p>@param propagatingVgws Any virtual private gateway (VGW) propagating routes.</p>\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>"
"variableName" : "propagatingVgws",
"variableType" : "java.util.List<PropagatingVgw>",
"documentation" : "<p>Any virtual private gateway (VGW) propagating routes.</p>",
"simpleType" : "List<PropagatingVgw>",
"variableSetterType" : "java.util.Collection<PropagatingVgw>
",
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
 "Associations" : {
 "c2jName" : "Associations",
 "c2jShape" : "RouteTableAssociationList",
 "deprecated" : false,
 "documentation" : "<p>The associations between the route table and one or more subnets.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@param associations The associations between the route table and one or more subnets.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withAssociations",
 "getterDocumentation" : "/**<p>The associations between the route table and one or more subnets.</p>
@return The associations between the route table and one or more subnets.*/",
 "getterMethodName" : "getAssociations",
 "getterModel" : {
 "returnType" : "java.util.List<RouteTableAssociation>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "AssociationSet",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "associationSet",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : true,
 "listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jType" : "RouteTableAssociation",
 "documentation" : "<p>The associations between the route table and one or more subnets.
"
"c2jShape" : "RouteTableAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "RouteTableAssociation",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RouteTableAssociation",
"variableName" : "member",
"variableType" : "RouteTableAssociation",
"documentation" : "",
"simpleType" : "RouteTableAssociation",
"variableSetterType" : "RouteTableAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "RouteTableAssociation",
"variableName" : "member",
"variableType" : "RouteTableAssociation",
"documentation" : "",
"simpleType" : "RouteTableAssociation",
"variableSetterType" : "RouteTableAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "RouteTableAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "RouteTableAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"templateType" : "java.util.List<RouteTableAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Associations",
"setterDocumentation" : "/*<p>The associations between the route table and one or more
subnets.</p>\n@param associations The associations between the route table and one or more
subnets.*/",
"setterMethodName" : "setAssociations",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"variableName" : "associations",
"variableType" : "java.util.List<RouteTableAssociation>",
"documentation" : "",
"simpleType" : "List<RouteTableAssociation>",
"variableSetterType" : "java.util.Collection<RouteTableAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The associations between the route table and one or more
subnets.</p>\n@param associations The associations between the route table and one or more
subnets The associations between the route table and one or more subnets.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<RouteTableAssociation>",
"variableName" : "associations",
"variableType" : "java.util.List<RouteTableAssociation>",
"documentation" : "<p>The associations between the route table and one or more
subnets.</p>
@param associations The associations between the route table and one or more
subnets.*/",
"simpleType" : "List<RouteTableAssociation>",
"variableSetterType" : "java.util.Collection<RouteTableAssociation>"
"PropagatingVgws" : {
  "c2jName" : "PropagatingVgws",
  "c2jShape" : "PropagatingVgwList",
  "deprecated" : false,
  "documentation" : "<p>Any virtual private gateway (VGW) propagating routes.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@param propagatingVgws Any virtual private gateway (VGW) propagating routes.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPropagatingVgws",
  "getterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@return Any virtual private gateway (VGW) propagating routes.*/",
  "getterMethodName" : "getPropagatingVgws",
  "getterModel" : {
    "returnType" : "java.util.List<PropagatingVgw>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "PropagatingVgwSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "propagatingVgwSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "PropagatingVgw",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
      "getterDocumentation" : "/**\n@return member.*/",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<PropagatingVgw>",
        "documentation" : null
      }
    }
  }
}
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n    @return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "PropagatingVgw",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n    @param member
    \n    @return Returns a reference to this object so that
    method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "PropagatingVgw",
  "variableName" : "member",
  "variableType" : "PropagatingVgw",
  "documentation" : "",
  "simpleType" : "PropagatingVgw",
  "variableSetterType" : "PropagatingVgw"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n    @param member
    \n    @return Returns a reference to this object so that
    method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "PropagatingVgw",
  "variableName" : "member",
  "variableType" : "PropagatingVgw",
  "documentation" : "",
  "simpleType" : "PropagatingVgw",
  "variableSetterType" : "PropagatingVgw"
"memberLocationName" : "item",
"memberType" : "PropagatingVgw",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "PropagatingVgw",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
"templateType" : "java.util.List<PropagatingVgw>"
],
"map" : false,
"mapModel" : null,
"name" : "PropagatingVgws",
"setterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
@param propagatingVgws Any virtual private gateway (VGW) propagating routes.</param>*/
,"setterMethodName" : "setPropagatingVgws",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
 "variableName" : "propagatingVgws",
 "variableType" : "java.util.List<PropagatingVgw>",
 "documentation" : "",
 "simpleType" : "List<PropagatingVgw>",
 "variableSetterType" : "java.util.Collection<PropagatingVgw>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any virtual private gateway (VGW) propagating routes.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use <a href="#setPropagatingVgws(java.util.Collection)">setPropagatingVgws</a> or <a href="#withPropagatingVgws(java.util.Collection)">withPropagatingVgws</a> if you want to override the existing values.
@return Returns a reference to this object so that method calls can be chained together.*/
,"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<PropagatingVgw>",
 "variableName" : "propagatingVgws",
 "variableType" : "java.util.List<PropagatingVgw>",
 "documentation" : "Any virtual private gateway (VGW) propagating routes.<p>/n</p>

"RouteTableId" : {
 "c2jName" : "RouteTableId",
 "c2jShape" : "String"}
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@<param routeTableId The ID of the route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RouteTableId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "routeTableId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@<param routeTableId The ID of the route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "attribute" : null,
  "attributeName" : null,
  "attributeType" : null,
  "dependence" : null,
  "documentation" : null,
  "fluentSetterDocumentation" : null,
  "getterDocumentation" : null,
  "getterMethodName" : null,
  "getterModel" : null,
  "http" : null,
  "idempotencyToken" : null,
  "list" : null,
  "listModel" : null,
  "map" : null,
  "mapModel" : null,
  "name" : null,
  "setterDocumentation" : null,
  "setterMethodName" : null,
  "setterModel" : null,
  "simple" : null,
  "varargSetterDocumentation" : null
}
"variableDeclarationType" : "String",
"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"Routes" : {
  "c2jName" : "Routes",
  "c2jShape" : "RouteList",
  "deprecated" : false,
  "documentation" : "<p>The routes in the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The routes in the route table.</p>@param routes The routes in the route table.@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRoutes",
  "getterDocumentation" : "/*<p>The routes in the route table.</p>@return The routes in the route table.@/",
  "getterMethodName" : "getRoutes",
  "getterModel" : {
    "returnType" : "java.util.List<Route>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Route",
      "deprecated" : false,
"documentation" : "", 
"enumType" : null, 
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/", 
"fluentSetterMethodName" : "withMember", 
"getterDocumentation" : "/**
@return */", 
"getterMethodName" : "getMember", 
"getterModel" : { 
"returnType" : "Route", 
"documentation" : null 
}, 
"http" : { 
"additionalMarshallingPath" : null, 
"additionalUnmarshallingPath" : null, 
"flattened" : false, 
"greedy" : false, 
"header" : false, 
"isPayload" : false, 
"isStreaming" : false, 
"location" : null, 
"marshallLocationName" : "Item", 
"queryString" : false, 
"statusCode" : false, 
"unmarshallLocationName" : "item", 
"uri" : false 
}, 
"idempotencyToken" : false, 
"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"name" : "Member", 
"setterDocumentation" : "/**\n@param member */", 
"setterMethodName" : "setMember", 
"setterModel" : { 
"variableDeclarationType" : "Route", 
"variableName" : "member", 
"variableType" : "Route", 
"documentation" : "", 
"simpleType" : "Route", 
"variableSetterType" : "Route" 
}, 
"simple" : false, 
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/", 
"variable" : { 
"variableDeclarationType" : "Route", 
"variableName" : "member", 
"variableType" : "Route", 
"simple" : false, 
"simpleType" : "Route", 
"variableSetterType" : "Route" 
}
"variableType" : "Route",
"documentation" : "",
"simpleType" : "Route",
"variableSetterType" : "Route"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Route",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Route",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Route>",
"templateType" : "java.util.List<Route>
},
"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**<p>The routes in the route table.</p>
@param routes The routes in the route table.
*/",
"setterMethodName" : "setRoutes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The routes in the route table.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRoutes(java.util.Collection)} or {@link #withRoutes(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Route>",
  "variableName" : "routes",
  "variableType" : "java.util.List<Route>",
  "documentation" : "<p>The routes in the route table.</p>",
  "simpleType" : "List<Route>",
  "variableSetterType" : "java.util.Collection<Route>"
},
"xmlNameSpaceUri" : null
}
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the route table.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@<param tags Any tags assigned to the route table.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@return Any tags assigned to the route table.
*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<param member
@return Returns a reference to this object so that method calls can be chained together.*"",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return *
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<Tag",
        "documentation" : null
      }
    }
  }
}
getterModel": {
"returnType": "Tag",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
}
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@param tags Any tags assigned to
the route table.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the route table.</p>
@param tags Any tags assigned to the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the route table.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/
Returns a reference to this object so that method calls can be chained together. */
, "fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\n<p>The ID of the VPC.</p>\n@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.*/
, "setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the VPC.</p>\n@param vpcId The ID of the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/
, "variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
"variableSetterType" : "String",
},
"xmlNamespaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RouteTable",
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  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "RouteTable",
  "variableName" : "routeTable",
  "variableType" : "RouteTable",
  "documentation" : null,
  "simpleType" : "RouteTable",
  "variableSetterType" : "RouteTable"
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"wrapper" : false
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"RouteTableAssociation" : {
  "c2jName" : "RouteTableAssociation",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an association between a route table and a subnet.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "RouteTableAssociationId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The ID of the association between a route table and a subnet.</p>*/\n*\n@routeTableAssociationId The ID of the association between a route table and a

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subnet.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withRouteTableAssociationId",
"getterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.\n</p>\n@return The ID of the association between a route table and a subnet.*/",
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 "documentation" : null
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "routeTableAssociationId",
 "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "RouteTableAssociationId",
 "setterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
 "setterMethodName" : "setRouteTableAssociationId",
 "setterModel" : {
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 "variableName" : "routeTableAssociationId",
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 "simple" : true,
 "simpleType" : "String",
 "variableSetterType" : "String"
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 "varargsSetterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "routeTableAssociationId",
"variableType" : "String",
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"simple" : true,
"simpleType" : "String",
"variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "RouteTableId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRouteTableId",
"getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
"getterMethodName" : "getRouteTableId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RouteTableId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
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@param routeTableId The ID of the route table.
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"variableSetterType" : "String"
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@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "routeTableId",
"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>
@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>
@return The ID of the subnet. A subnet ID is not returned for an implicit association.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "subnetId",
"uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SubnetId",
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@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.*/*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>/n@param subnetId The ID of the subnet. A subnet ID is not returned for an implicit association.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "Main",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether this is the main route table.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether this is the main route table.</p>/n@param main Indicates whether this is the main route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMain",
"getterDocumentation": "/**<p>Indicates whether this is the main route table.</p>/n@return Indicates whether this is the main route table. */",
"getterMethodName": "getMain",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
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"http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Main",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "main",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Main",
"setterDocumentation": "/**\n<p>Indicates whether this is the main route table.</p>@\n@param main Indicates whether this is the main route table.*/",
"setterMethodName": "setMain",
"setterModel": {
    "variableDeclarationType": "Boolean",
    "variableName": "main",
    "variableType": "Boolean",
    "documentation": "",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>Indicates whether this is the main route table.</p>@\n@param main Indicates whether this is the main route table.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "Boolean",
    "documentation": "<p>Indicates whether this is the main route table.</p>",
    "simpleType": "Boolean",
    "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
    "Main": {

"c2jName" : "Main",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether this is the main route table.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>*/
@param main Indicates whether this is the main route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMain",
"getterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>*/
@return Indicates whether this is the main route table.*/",
"getterMethodName" : "getMain",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "main",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Main",
"setterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>*/
@param main Indicates whether this is the main route table.
@return Indicates whether this is the main route table.*/",
"setterMethodName" : "setMain",
"setterModel" : {
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  "variableName" : "main",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is the main route table.</p>@param main Indicates whether this is the main route table.</param>@return Returns a reference to this object so that method calls can be chained together=*/",
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  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether this is the main route table.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null,
"RouteTableAssociationId" : {
  "c2jName" : "RouteTableAssociationId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>@param routeTableAssociationId The ID of the association between a route table and a subnet.</param>@return Returns a reference to this object so that method calls can be chained together=*/",
  "fluentSetterMethodName" : "withRouteTableAssociationId",
  "getterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>"
  "getterMethodName" : "getRouteTableAssociationId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null,
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "RouteTableAssociationId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "routeTableAssociationId",
    "uri" : false,
  },
  "idempotencyToken" : false,
  "list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableAssociationId",
"setterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>
@param routeTableAssociationId The ID of the association between a route table and a subnet.*/",
"setterMethodName" : "setRouteTableAssociationId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "routeTableAssociationId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the association between a route table and a subnet.</p>
@param routeTableAssociationId The ID of the association between a route table and a subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "String",
    "documentation" : "<p>The ID of the association between a route table and a subnet.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"RouteTableId" : {
    "c2jName" : "RouteTableId",
    "c2jShape" : "String",
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    "documentation" : "<p>The ID of the route table.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withRouteTableId",
    "getterDocumentation" : "/**<p>The ID of the route table.</p>
@return The ID of the route table.*/",
    "getterMethodName" : "getRouteTableId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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    "http" : {
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        "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routeTableId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RouteTableId",
"setterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.</p>
@returns Returns a reference to this object so that method calls can be chained together.</returns>*/",
"setterMethodName" : "setRouteTableId",
"setterModel" : {

"variableDeclarationType" : "String",
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"documentation" : "",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the route table.</p>
@param routeTableId The ID of the route table.</p>
@returns Returns a reference to this object so that method calls can be chained together.</returns>*/",
"variable" : {

"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "<p>The ID of the route table.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"SubnetId" : {

c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet. A subnet ID is not returned for an implicit
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RouteTableAssociation",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "RouteTableAssociation",
"variableName" : "routeTableAssociation",
"variableType" : "RouteTableAssociation",
"documentation" : null,
"simpleType" : "RouteTableAssociation",
"variableSetterType" : "RouteTableAssociation"
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"wrapper" : false
},
"RuleAction" : {
"c2jName" : "RuleAction",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Allow",
"value" : "allow"
}, {
"name" : "Deny",
"value" : "deny"
} ],
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
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"requestSignerClassFqcn" : null,
"required" : null,
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  "resultWrapper" : null
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  "variableType" : "RuleAction",
  "documentation" : null,
  "simpleType" : "RuleAction",
  "variableSetterType" : "RuleAction"
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"wrapper" : false
},
"RunInstancesRequest" : {
  "c2jName" : "RunInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RunInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
    "c2jName" : "ImageId",}]}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling
&lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling
&lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@returns The ID of the AMI, which you can get by calling
&lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n\n@returns Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;",
"getterMethodName" : "getImageId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ImageId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ImageId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling
&lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.&lt;/**&gt;",
"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
],
"simple" : true,
"varargSetterDocumentation" : "/**
* The ID of the AMI, which you can get by calling
<a>DescribeImages</a>.<p/>

@<a>param imageId</a> The ID of the AMI, which you can get by calling
<a>DescribeImages</a>.\n
@return Returns a reference to this object so that method calls can be chained
together.*
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "The ID of the AMI, which you can get by calling
<a>DescribeImages</a>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "MinCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.<p/>

<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
* The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.<p>

<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>\n
@return Returns a reference to this object so that method calls can be chained
together.*
*/",
  "fluentSetterMethodName" : "withMinCount",
  "getterDocumentation" : "/**
* The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no
instances.<p>

<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.\n
@return Returns a reference to this object so that method calls can be chained
together.*
*/
*/
*/
*/
*/
*/
*/
*/
*/
Availability Zone, Amazon EC2 launches no instances. Constraints: Between 1 and the maximum number you’re allowed for the specified instance type. For more information about the default limits, and how to request an increase, see a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.

```
getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinCount",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinCount",
"setterDocumentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.",
"setterMethodName" : "setMinCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minCount",
  "variableType" : "Integer",
```
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@param minCount The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "minCount",
"variableType" : "Integer",
"documentation" : ":<p>The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>
},
"xmlNameSpaceUri" : null
},
"c2jName" : "MaxCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>"
increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.

<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

@return Returns a reference to this object so that method calls can be chained together.*}/

"fluentSetterMethodName" : "withMaxCount",
"getterDocumentation" : "/**<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.</p> <p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>

@return The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. </p> Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.*/",

"getterMethodName" : "getMaxCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxCount",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "MaxCount",
"setterDocumentation": "/**<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.<p>/p> Constrains: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.</p>

@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.<p>/p>

<param> Constrains: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.*/",

"setterMethodName": "setMaxCount",

"setterModel": {
    "variableDeclarationType": "Integer",
    "variableName": "maxCount",
    "variableType": "Integer",
    "documentation": ":",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
},

"simple": true,

"varargSetterDocumentation": "/**<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.<p>/p> Constrains: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.*/",

"variable": {
    "variableDeclarationType": "Integer",
    "variableName": "maxCount",
    "variableType": "Integer",
    "documentation": <p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>.<p>/p> Constrains: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

@return Returns a reference to this object so that method calls can be chained together.*/";
How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.

"simpleType": "Integer",
"variableSetterType": "Integer"
}

"xmlNameSpaceUri": null
},

"c2jName": "KeyName",
"c2jShape": "String",
"deprecated": false,
"documentation": "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in."

"enumType": null,
"fluentSetterDocumentation": "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in."

"fluentSetterMethodName": "withKeyName",
"getterDocumentation": "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in."

"getterMethodName": "getKeyName",
"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "KeyName",
"queryString": null,
"statusCode": false,
"unmarshallLocationName": "KeyName",
"uri": false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't
connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p>
@<param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a>
or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance
unless you choose an AMI that is configured to allow users another way to log in.</p><p>*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "keyName",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
 "simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't
connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p>
@<param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a>
or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance
unless you choose an AMI that is configured to allow users another way to log in.</p><p>*/
@<return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "keyName",
 "variableType" : "String",
 "documentation" : "<p>The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or
<a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance
unless you choose an AMI that is configured to allow users another way to log in.</p><p>" simpleType" : "String",
 "variableSetterType" : "String"
},
 "xmlNameSpaceUri" : null
},
"c2jName" : "SecurityGroups",
"c2jShape" : "SecurityGroupStringList",
"deprecated" : false,
"documentation" : "[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC,
you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>

@<p>param securityGroups</p> [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>

@return Returns a reference to this object so that method calls can be chained together.* /

"fluentSetterMethodName" : "withSecurityGroups",

"getterDocumentation" : "[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.

@return [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.* /

"getterMethodName" : "getSecurityGroups",

"getterModel" : {

"returnType" : "java.util.List<String>",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "SecurityGroup",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "SecurityGroup",

"uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {

"implType" : "com.amazonaws.internal.SdkInternalList",

"interfaceType" : "java.util.List",

"listMemberModel" : {

"c2jName" : "member",

"c2jShape" : "String",

"deprecated" : false,

"documentation" : "",

"enumType" : null,

"fluentSetterDocumentation" : "\n@return member\n
@ Return Returns a reference to this object so that method calls can be chained together.* /

"fluentSetterMethodName" : "withMember",

"getterDocumentation" : "\n@\n
@return Returns a reference to this object so that method calls can be chained together.* /

"getterMethodName" : "getMember",

"getterModel" : {

"returnType" : "String",

"documentation" : null
}
http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecurityGroup",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecurityGroup",
  "uri": false
},

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member
 */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"varargSetterDocumentation": "/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together. */",

"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"memberLocationName": "SecurityGroup",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"name": "SecurityGroups",
"setterDocumentation": "/**
\[EC2-Classic, default VPC\] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.
\(\langle p\) Default: Amazon EC2 uses the default security
group.\(\langle /p\)\n\@param securityGroups \[EC2-Classic, default VPC\] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.\(\langle p\) Default: Amazon EC2 uses the default security
group.*/",
"setterMethodName": "setSecurityGroups",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "securityGroups",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"varargSetterDocumentation": "/**
\[EC2-Classic, default VPC\] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.\(\langle p\) Default: Amazon EC2 uses the default security
group.\(\langle /p\)\n\@param securityGroups \[EC2-Classic, default VPC\] One or more security group names. For a
nondefault VPC, you must use security group IDs instead.\(\langle p\) Default: Amazon EC2 uses the default security
group.\(\langle /p\)\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "securityGroups",
  "variableType": "java.util.List<String>",
  "documentation": "\[EC2-Classic, default VPC\] One or more security group names. For a nondefault VPC, you must use security group IDs instead.\(\langle p\) Default: Amazon EC2 uses the default security group.\(\langle /p\)\n\@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
{
"c2jName": "SecurityGroupIds",
"c2jShape": "SecurityGroupIdStringList",
"deprecated": false,
One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.

```java
public void withSecurityGroupIds(String... securityGroupIds) {
    ...}
```

You can create a security group using
<a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.

```java
public List<String> getSecurityGroupIds() {
    ...}
```

Returns a reference to this object so that method calls can be chained together.

```
public void withMember(String member) {
    ...}
```

```
public String getMember() {
    ...}
```

Returns a reference to this object so that method calls can be chained together.
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SecurityGroupId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
 * @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>
@param securityGroupIds One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>

\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroupIds(java.util.Collection)} or {@link #withSecurityGroupIds(java.util.Collection)} if you want to override the existing values.</p>

@param securityGroupIds One or more security group IDs. You can create a security group using
\n<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>

\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>

\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null}
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The user data to make available to the instance. For more information, see \<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and \<a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "The user data to make available to the instance. For more information, see \<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and \<a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@param userData The user data to make available to the instance. For more information, see \<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and \<a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "The user data to make available to the instance. For more information, see \<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and \<a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return The user data to make available to the instance. For more information, see \<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and \<a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\*/",
"getterMethodName" : "getUserData",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
Open Source Used In Virtualized Voice Browser 12.6(1) 25687

"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UserData",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UserData",
"uri": false
}

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserData",
"setterDocumentation": "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
</p>\n@\n@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>*/",
"setterMethodName": "setUserData",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "userData",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
</p>\n@\n@param userData The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>*/"
Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```
variable: {
  variableDeclarationType: "String",
  variableName: "userData",
  variableType: "String",
  documentation: "<p>The user data to make available to the instance. For more information, see <a href="#">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="#">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>

  "simpleType": "String",
  variableSetterType: "String"
},

xmlNameSpaceUri: null
}
```

"c2jName": "InstanceType",
"c2jShape": "InstanceType",
"deprecated": false,
"documentation": "<p>The instance type. For more information, see <a href="#">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Default: <code>m1.small</code></p>

"enumType": "InstanceType",
"fluentSetterDocumentation": "<p>The instance type. For more information, see <a href="#">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Default: <code>m1.small</code></p>

"getterDocumentation": "<p>The instance type. For more information, see <a href="#">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Default: <code>m1.small</code></p>

"getterMethodName": "getInstanceType",
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {

```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
</p><p>Default: <code>m1.small</code></p>\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
</p><p>Default: <code>m1.small</code></p>\n@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
</p><p>Default: <code>m1.small</code></p>\n@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"documentation" : ":<p>The instance type. For more information, see &lt;a href="https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html"&gt;Instance Types&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;p&gt;Default: &lt;code&gt;m1.small&lt;/code&gt; &lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : ":<p>The placement for the instance.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>The placement for the instance.&lt;/p&gt;\n@param placement The placement for the instance\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : /**<p>The placement for the instance.&lt;/p&gt;\n@return The placement for the instance.*\*/",
  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "Placement",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Placement",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Placement",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Placement",
  "setterDocumentation" : /**<p>The placement for the instance.&lt;/p&gt;\n@param placement The placement for the instance.*\*/",
  "setterMethodName" : "setPlacement",
  "setterModel" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement for the instance.</p>
@param placement The placement for the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "The placement for the instance.<p>
\param placement The placement for the instance.<p>
\return Returns a reference to this object so that method calls can be chained together.<p>\*/",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the kernel.<p>
\important\ We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
\return Returns a reference to this object so that method calls can be chained together.<p>\*/",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the kernel.<p>
\important\ We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
\return Returns a reference to this object so that method calls can be chained together.<p>\*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "The ID of the kernel.<p>
\important\ We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
\return The ID of the kernel.<p>
\important\ We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>
\return Returns a reference to this object so that method calls can be chained together.<p>\*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
"returnType" : "String",
"variableDeclarationType" : "Placement",
"variableName" : "placement",
"variableType" : "Placement",
"documentation" : "",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KernelId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "KernelId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> */
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p> "simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p> "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p> 
@param ramdiskId The ID of the RAM disk.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.</p> 
@return The ID of the RAM disk.

*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RamdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**\n * The ID of the RAM disk.
 * <important>
 * We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important>.
 * @param ramdiskId The ID of the RAM disk.
 * <important>
 * We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The ID of the RAM disk.
 * <important>
 * We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important>.
 * @param ramdiskId The ID of the RAM disk.
 * <important>
 * We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "The ID of the RAM disk.
 * <important>
 * We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important>.
 * 
 */
}
**simpleType**: "String",
**variableSetterType**: "String"
}
"xmlNameSpaceUri" : null
},
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingRequestList",
"deprecated" : false,
"documentation" : "<p>The block device mapping. <important> Supposing both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. </important>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The block device mapping. <important> Supposing both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. </important> */
@param blockDeviceMappings The block device mapping. <important> Supposing both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. </important>
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/** <p>The block device mapping. <important> Supposing both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. </important> */
@return The block device mapping. <important> Supposing both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. </important>
*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "BlockDeviceMapping",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "BlockDeviceMapping",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "BlockDeviceMapping",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "BlockDeviceMapping",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n     * @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "BlockDeviceMapping",
      "variableName": "member",
      "getter": "/**
       * @return */",
      "getterMethodName": "getMember",
      "setter": "/**\n       * @param member */",
      "setterMethodName": "setMember",
      "isModel": true,
      "implType": "com.amazonaws.BlockDeviceMapping",
      "interfaceType": "java.util.List<com.amazonaws.BlockDeviceMapping>"
    }
  }
}
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**
The block device mapping.

Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.

Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action. */",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"variableName" : "blockDeviceMappings",
"variableType" : "java.util.List<BlockDeviceMapping>",
"documentation" : ""
"simpleType" : "List<BlockDeviceMapping>",
"variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</important> <p></p><note>This method appends the values to the existing list (if any). Use [@link #setBlockDeviceMappings(java.util.Collection)] or [@link #withBlockDeviceMappings(java.util.Collection)] if you want to override the existing values.</note>"
@param blockDeviceMappings The block device mapping.
@return Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "The block device mapping.
  <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</important> </important>
  @param blockDeviceMappings The block device mapping.
  @return Returns a reference to this object so that method calls can be chained together.
*/

"c2jName" : "Monitoring",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "The monitoring for the instance.
  @return Returns a reference to this object so that method calls can be chained together.
*/

"fluentSetterDocumentation" : "The monitoring for the instance.
  @param monitoring The monitoring for the instance.
  @return Returns a reference to this object so that method calls can be chained together.
*/

"http" : {
  "additionalMarshallingPath" : "Enabled",
  "additionalUnmarshallingPath" : "enabled",
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Monitoring",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Monitoring",
"uri": false,
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Monitoring",
"setterDocumentation": "/**<p>The monitoring for the instance.</p>
@param monitoring The monitoring for
the instance.*/",
"setterMethodName": "setMonitoring",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "monitoring",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The monitoring for the instance.</p>
@param monitoring The
monitoring for the instance.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "monitoring",
  "variableType": "Boolean",
  "documentation": "<p>The monitoring for the instance.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
{ "c2jName": "SubnetId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
"enumType": null,
**fluentSetterDocumentation**: "认识EC2-VPC中子网ID的ID，用于将实例启动。

```java
@Param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.

@Return Returns a reference to this object so that method calls can be chained together.*"",

**getterMethodName**: "getSubnetId",

**getterModel**: {
  "returnType": "String",
  "documentation": null
},

**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SubnetId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SubnetId",
  "uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "SubnetId",

**setterDocumentation**: "认识EC2-VPC中子网ID的ID，用于将实例启动。

```java
@Set SubnetId

@Param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.

@Return Returns a reference to this object so that method calls can be chained together.*"",

**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},

**simple**: true,

**varargSetterDocumentation**: "认识EC2-VPC中子网ID的ID，用于将实例启动。

```java
@Vararg param subnetIds [EC2-VPC] The ID of the subnet to launch the instance into.

@Return Returns a reference to this object so that method calls can be chained together.*"",

**variable**: {

```
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DisableApiTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>
@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withDisableApiTermination",
"getterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>
@param InstanceInitiatedShutdownBehavior If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"getterMethodName" : "getDisableApiTermination",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
If you set this parameter to `<code>true</code>`, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to `<code>false</code>` after launch, use `<a>ModifyInstanceAttribute</a>`. Alternatively, if you set `<code>InstanceInitiatedShutdownBehavior</code>` to `<code>terminate</code>`, you can terminate the instance by running the shutdown command from the instance. 

```java
<p>Default: <code>false</code> </p>
@param disableApiTermination If you set this parameter to `<code>true</code>`, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to `<code>false</code>` after launch, use `<a>ModifyInstanceAttribute</a>`.

```
be chained together.*"",
"variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "disableApiTermination",
 "variableType" : "Boolean",
 "documentation" : "<p>If you set this parameter to <code>true</code>, you can’t terminate the instance using
the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after
launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set
<code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by
running the shutdown command from the instance.</p> Default: <code>false</code>

"simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null
},

"c2jName" : "InstanceInitiatedShutdownBehavior",
"c2jShape" : "ShutdownBehavior",
"deprecated" : false,

"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from
the instance (using the operating system command for system shutdown).</p> Default: <code>stop</code>

"enumType" : "ShutdownBehavior",
"fluentSetterDocumentation" : "/*<p>Indicates whether an instance stops or terminates when you initiate
shutdown from the instance (using the operating system command for system shutdown).</p> Default:

"<code>stop</code>\</p>\n@<code>\<param instanceInitiatedShutdownBehavior\</code>Indicates whether an instance stops or
terminates when you initiate shutdown from the instance (using the operating system command for system
shutdown).</p> Default: <code>\</code>\n@<code>\return Returns a reference to this object so that method calls
can be chained together.\n@see ShutdownBehavior*/",

"fluentSetterMethodName" : "withInstanceInitiatedShutdownBehavior",

"getterDocumentation" : "/*<p>Indicates whether an instance stops or terminates when you initiate shutdown
from the instance (using the operating system command for system shutdown).</p> Default:

"<code>stop</code>\</p>\n@<code>\get InstanceInitiatedShutdownBehavior\</code>Indicates whether an instance stops or
terminates when you initiate shutdown from the instance (using the operating system command for system
shutdown).</p> Default:

"<code>stop</code>\n@<code>\see ShutdownBehavior*/",

"getterMethodName" : "getInstanceInitiatedShutdownBehavior",

"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "InstanceInitiatedShutdownBehavior",
...
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceInitiatedShutdownBehavior",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceInitiatedShutdownBehavior",
"setterDocumentation" : "/**\n* Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.
@see ShutdownBehavior*/",
"setterMethodName" : "getInstanceInitiatedShutdownBehavior",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
@return Returns a reference to this object so that method calls can be chained together.
@see ShutdownBehavior*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceInitiatedShutdownBehavior",
"variableType" : "String",
"documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.\n*/
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.<p>
"enumType" : null,
"fluentSetterDocumentation" : "/**\nx@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</nx>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.\nx@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**\nx@return [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</nx>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.\nx@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\nx@return [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</nx>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.*/"},
address range of the subnet.

Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.

```java
@ApiResponse
privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.

Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.
```

```java
setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>*/",

```java
variable : {
  "variableDeclarationType" : "String",
  "variableName" : "privateIpAddress",
  "variableType" : "String",
  "documentation" : "[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request."

```

```java
"simple" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6Addresses",
"c2jShape" : "InstanceIpv6AddressList",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>
```
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*\*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<InstanceIpv6Address>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6Address",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Ipv6Address",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceIpv6Address",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n"",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceIpv6Address",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n"",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : ""}
"simpleType" : "InstanceIpv6Address",
"variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@param ipv6Addresses 
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>"",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>"",
"documentation" : "",
"simpleType" : "List<InstanceIpv6Address>"",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@note:<br> This method appends the values to the existing list (if any). Use {
@link #setIpv6Addresses(java.util.Collection)} or {
@link #withIpv6Addresses(java.util.Collection)} if you want to override the existing values.

@param ipv6Addresses 
[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {


"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<InstanceIpv6Address>",
"documentation" : "<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
"simpleType" : "List<InstanceIpv6Address>",
"variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
"getterDocumentation" : "/**<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>\n@return [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6AddressCount",
"queryString": false,
"statusCode": false,

"unmarshallLocationName": "Ipv6AddressCount",
"uri": false,

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,

"name": "Ipv6AddressCount",

"setterDocumentation": "/**
 * [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2
 * chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to
 * assign specific IPv6 addresses in the same request. You can specify this option if you've specified a
 * minimum number of instances to launch.
 *
 * @param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2
 * chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
 *
 * @return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName": "setIpv6AddressCount",

"setterModel": {

"variableDeclarationType": "Integer",

"variableName": "ipv6AddressCount",

"variableType": "Integer",

"documentation": "",

"simpleType": "Integer",

"variableSetterType": "Integer"

},

"simple": true,

"varargSetterDocumentation": "/**
 * [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
 *
 * @param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
 *
 * @return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {

"variableDeclarationType": "Integer",

"variableName": "ipv6AddressCount",

"variableType": "Integer",

"documentation": "",

"simpleType": "Integer"
"variableSetterType" : "Integer",
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.\n*/",
"getterMethodName" : "getClientToken",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "clientToken",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>Constraints: Maximum 64 ASCII characters</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>Constraints: Maximum 64 ASCII characters*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>Constraints: Maximum 64 ASCII characters</p>\n@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>Constraints: Maximum 64 ASCII characters\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.<p>Constraints: Maximum 64 ASCII characters</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AdditionalInfo",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/**<p>Reserved.</p>\n@return Reserved.*/",
"getterMethodName" : "getAdditionalInfo",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
 },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AdditionalInfo",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "additionalInfo",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : "",
  "simpleType" : "InstanceNetworkInterfaceSpecification",
  "variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
  "variableName" : "member",
  "variableType" : "InstanceNetworkInterfaceSpecification",
  "documentation" : ""
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : 
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setNetworkInterfaces(java.util.Collection) or @link #withNetworkInterfaces(java.util.Collection) if you want to override the existing values.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : 
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "<p>One or more network interfaces.</p>",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"xmlNameSpaceUri" : null
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@returns {IamInstanceProfileSpecification} The IAM instance profile.*/
@chainable
set
**/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
@returns {IamInstanceProfileSpecification} The IAM instance profile.*/
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
  "returnType" : "IamInstanceProfileSpecification",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "iamInstanceProfile",
  "uri" : false
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"list" : false,
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"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@returns {IamInstanceProfileSpecification} The IAM instance profile.*/
**/",
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  "documentation" : "",
  "simpleType" : "IamInstanceProfileSpecification",
  "variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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"variableType" : "IamInstanceProfileSpecification",
"documentation" : "<p>The IAM instance profile.
</p>",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p> <p>Default: <code>false</code></p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges
apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p> <p>@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p> <p>Default: <code>false</code></p> <p>@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code>\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
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"greedy" : false,
"setterDocumentation": /**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>*/
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/

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    "variableType": "Boolean",
    "documentation": "",
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    "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": /**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>*/
@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/

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    "documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides..."
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

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"c2jName": "AdditionalInfo",
"c2jShape": "String",
"deprecated": false,
"documentation": "Reserved.
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"enumType": null,
"fluentSetterDocumentation": "Reserved.
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"additionalUnmarshallingPath": null,
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"unmarshallLocationName": "additionalInfo",
"uri": false
},
"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
"name": "AdditionalInfo",
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",
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"setterModel": {

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"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",

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"variableType": "String",
"documentation": "<p>Reserved.</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"BlockDeviceMappings": {
"c2jName": "BlockDeviceMappings",
"c2jShape": "BlockDeviceMappingRequestList",
"deprecated": false,
"documentation": "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>
@param blockDeviceMappings The block device mapping.
@return Returns a reference to this object so that method calls can be chained together.*/",

"enumType": null,
"fluentSetterDocumentation": "/**
The block device mapping.
<p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>
@return The block device mapping.
>Returns a reference to this object so that method calls can be chained together.*/",

"getterMethodName": "getBlockDeviceMappings",
"getterDocumentation": "/**
The block device mapping.
<p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>
@return The block device mapping.
*/",}
"getterModel" : {
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  "documentation" : null
},

"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "BlockDeviceMapping",
  "uri" : false
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"idempotencyToken" : false,

"list" : true,

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  "interfaceType" : "java.util.List",
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    "c2jShape" : "BlockDeviceMapping",
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    "documentation" : "",
    "enumType" : null,
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method calls can be chained together.*/",
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    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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  }
}
"marshallLocationName": "BlockDeviceMapping",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
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"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "BlockDeviceMapping",
  "documentation": "",
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  "variableSetterType": "BlockDeviceMapping"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "member",
  "variableType": "BlockDeviceMapping",
  "documentation": "",
  "simpleType": "BlockDeviceMapping",
  "variableSetterType": "BlockDeviceMapping"
},
"xmlNameSpaceUri": null
}
"memberLocationName": "BlockDeviceMapping",
"memberType": "BlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "BlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType": "java.util.List<BlockDeviceMapping>"
],
"map": false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/** <p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</important></p>
@param blockDeviceMappings The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
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  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</important></p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@param blockDeviceMappings The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</important></p>
"simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String"}
"deprecated": false,
"documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withClientToken",
"getterDocumentation": "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters
@return Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters
*/",
"getterMethodName": "getClientToken",
"getterModel": {
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  "documentation": null
},
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  "isStreaming": false,
  "location": null,
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  "statusCode": false,
  "unmarshallLocationName": "clientToken",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ClientToken"
"setterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@param clientToken Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> <p>Constraints: Maximum 64 ASCII characters</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a></p> <p>Constraints: Maximum 64 ASCII characters</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DisableApiTermination" : {
  "c2jName" : "DisableApiTermination",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p>
  <p>Default: <code>false</code></p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code> </p>
@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDisableApiTermination",
"getterDocumentation" : "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code> </p>
@return If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p> <p>Default: <code>false</code>*/",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DisableApiTermination",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "disableApiTermination",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DisableApiTermination",
"returnType" : "Boolean",
"documentation" : null,
"isPayload" : false,
"isStreaming" : false,
"marshallLocationName" : "DisableApiTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "disableApiTermination",
"uri" : false
}
"setterDocumentation": "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p><p>Default: <code>false</code></p>
@param disableApiTermination If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDisableApiTermination",
"setterModel": {
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  "variableName": "disableApiTermination",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a>ModifyInstanceAttribute</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/
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  "variableType": "Boolean",
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@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"EbsOptimized": {
  "c2jName": "EbsOptimized",
  "c2jShape": "Boolean"
"deprecated": false,
"documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. Default: false</p>".

"enumType": null,
"fluentSetterDocumentation": "**<p>Indicates whether the instance is optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges
apply when using an EBS-optimized instance. Default: false</p>
@param ebsOptimized
Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to
Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't
available with all instance types. Additional usage charges apply when using an EBS-optimized instance. Default:
false</p>
@return Returns a reference to this object so that method calls can be chained together. */",

"fluentSetterMethodName": "withEbsOptimized",
"getterDocumentation": "**<p>Indicates whether the instance is optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance. Default: false</p>
@return Indicates whether the instance is
optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized
configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance
types. Additional usage charges apply when using an EBS-optimized instance. Default: false</p>
@return Returns a reference to this object so that method calls can be chained together. */",

"getterMethodName": "getEbsOptimized",
"getterModel": {
    "returnType": "Boolean",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "EbsOptimized",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ebsOptimized",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
</p>
Default: <code>false</code>

@param ebsOptimized Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
</p>
Default: <code>false</code> */",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}

simple" true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
</p>
Default: <code>false</code>

@return Returns a reference to this object so that method calls can be chained together." */

"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p>
</p>
Default: <code>false</code>

},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>
"enumType" : null,
**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void setIamInstanceProfile(IamInstanceProfileSpecification variable)
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void withIamInstanceProfile(IamInstanceProfileSpecification variable)
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public IamInstanceProfileSpecification getIamInstanceProfile()
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void withIamInstanceProfile(String variable)
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void withIamInstanceProfile(String variable)
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void withIamInstanceProfile(String variable)
```

**The IAM instance profile.**

@returns

A reference to this object so that method calls can be chained together.

```java
public void withIamInstanceProfile(String variable)
```
"documentation" : "<p>The IAM instance profile.</p>",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
},
"ImageId" : {
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@return The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n\n@returns Returns a reference to this object so that method calls can be chained together.*\*/",
"getterMethodName" : "getImageId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ImageId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ImageId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n@return The ID of the AMI, which you can get by calling &lt;a&gt;DescribeImages&lt;/a&gt;.&lt;/p&gt;\n\n@returns Returns a reference to this object so that method calls can be chained together.*\*/
", 
"setterMethodName" : "setImageId",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"uriPath" : null
}
<a>DescribeImages</a>.*","setterMethodName": "setImageId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/** <p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>. </p>
@param imageId The ID of the AMI, which you can get by calling <a>DescribeImages</a>. </p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "imageId",
  "variableType": "String",
  "documentation": "<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>. </p>
"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"InstanceInitiatedShutdownBehavior": {
  "c2jName": "InstanceInitiatedShutdownBehavior",
  "c2jShape": "ShutdownBehavior",
  "deprecated": false,
  "documentation": "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@param instanceInitiatedShutdownBehavior Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@see ShutdownBehavior*/",
  "getterMethodName": "getInstanceInitiatedShutdownBehavior",
  "getterDocumentation": "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@see ShutdownBehavior*/",
  "_flutterSetterMethodName": "withInstanceInitiatedShutdownBehavior",
  "_flutterSetterDocumentation": "/**<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@return Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown). </p>
@see ShutdownBehavior*/",
  "getterMethod": {
    "returnType": "String",
    "documentation": null
  }
}
**InstanceInitiatedShutdownBehavior**

> Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

**Default:**

- `<code>stop</code>`
- `<p>@see ShutdownBehavior</p>`

**Setter Documentation:**

> Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

**Setter Method Name:** `setInstanceInitiatedShutdownBehavior`

**Getter Method Name:** `getInstanceInitiatedShutdownBehavior`

```
public boolean isInstanceInitiatedShutdownBehavior();
```

**Variable Documentation:**

> Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

**Variable Name:** `instanceInitiatedShutdownBehavior`

**Variable Type:** `String`

**Setter Method:**

```
public void setInstanceInitiatedShutdownBehavior(String instanceInitiatedShutdownBehavior);
```

**Vararg Setter Documentation:**

> Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

**Vararg Setter Method Name:** `setInstanceInitiatedShutdownBehavior`
the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code></p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : [
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</p>

Default: <code>m1.small</code>"

"enumType" : "InstanceType",
"fluentSetterDocumentation" : "/*

The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</p>

Default: <code>m1.small</code>

@returns Returns a reference to this object so that method calls can be chained together.

@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/*

The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</p>

Default: <code>m1.small</code>

@returns The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide</p>

Default: <code>m1.small</code>

@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "statusType" : false,
  "unmarshallLocationName" : "InstanceType",
  "useEntityTag" : false
}
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> 
Default: <code>m1.small</code> */
@param instanceType The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> 
Default: <code>m1.small</code> */
@param instanceType The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> 
Default: <code>m1.small</code> 

@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"variableSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
"documentation": "<p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
"enumType": null,
"fluentSetterDocumentation": "/** <p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>
@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withIpv6AddressCount",
"getterDocumentation": "/** <p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>
@return [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch. */",
"getterMethodName": "getIpv6AddressCount",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Ipv6AddressCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Ipv6AddressCount",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6AddressCount",
"setterDocumentation": "/** <p>[EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>
@param ipv6AddressCount [EC2-VPC] A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "withIpv6AddressCount",
"setterModel": {
  "returnType": "Integer",
  "documentation": null
}
network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this
option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've
specified a minimum number of instances to launch.</p>

```java
public void setIpv6AddressCount(int ipv6AddressCount) {
    this.ipv6AddressCount = ipv6AddressCount;
}
```

@returns Returns a reference to this object so that method calls can be chained together.*"/

```java
public int getIpv6AddressCount() {
    return ipv6AddressCount;
}
```

### Ipv6Addresses

`<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary
network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this
option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've
specified a minimum number of instances to launch.</p>

```java
public void addIpv6Address(String ipv6Address) {
    ipv6Addresses.add(ipv6Address);
}
```

@returns Returns a reference to this object so that method calls can be chained together.*"/

```java
public void setIpv6Addresses(List<String> ipv6Addresses) {
    this.ipv6Addresses = ipv6Addresses;
}
```

@returns Returns a reference to this object so that method calls can be chained together.*"/
number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum
number of instances to launch.</p>

@param ipv6Addresses [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.

@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. */",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6Address",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Ipv6Address",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "ListModelModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceIpv6Address",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@\n@param member\n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "java.util.List<InstanceIpv6Address>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Ipv6Address",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Ipv6Address",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "ListModelModel" : {
        "c2jName" : "member",
        "c2jShape" : "InstanceIpv6Address",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@\n@param member\n@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. */",
        "getterMethodName" : "getMember",
        "getterModel" : {
          "returnType" : "java.util.List<InstanceIpv6Address>",
          "documentation" : null
        },
        "http" : {
          "additionalMarshallingPath" : null,
          "additionalUnmarshallingPath" : null,
          "flattened" : false,
          "greedy" : false,
          "header" : false,
          "isPayload" : false,
          "isStreaming" : false,
          "location" : null,
          "marshallLocationName" : "Ipv6Address",
          "queryString" : false,
          "statusCode" : false,
          "unmarshallLocationName" : "Ipv6Address",
          "uri" : false
        },
        "idempotencyToken" : false,
        "list" : true,
        "listModel" : {
          "implType" : "com.amazonaws.internal.SdkInternalList",
          "interfaceType" : "java.util.List",
          "ListModelModel" : {
            "c2jName" : "member",
            "c2jShape" : "InstanceIpv6Address",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@\n@param member\n@return Returns a reference to this object so that method calls can be chained together. */",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**<p>[EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>

@return [EC2-VPC] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch. */",
            "getterMethodName" : "getMember",
            "getterModel" : {
              "returnType" : "java.util.List<InstanceIpv6Address>",
              "documentation" : null
            },
            "http" : {
              "additionalMarshallingPath" : null,
              "additionalUnmarshallingPath" : null,
              "flattened" : false,
              "greedy" : false,
              "header" : false,
              "isPayload" : false,
              "isStreaming" : false,
              "location" : null,
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "InstanceIpv6Address",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceIpv6Address",
  "variableName" : "member",
  "variableType" : "InstanceIpv6Address",
  "documentation" : "",
  "simpleType" : "InstanceIpv6Address",
  "variableSetterType" : "InstanceIpv6Address"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "InstanceIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
"templateType" : "java.util.List<InstanceIpv6Address>",
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**\n \[EC2-VPC\] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.
</p>\n @param ipv6Addresses \[EC2-VPC\] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.*/\n",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<InstanceIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<InstanceIpv6Address>",
  "variableSetterType" : "java.util.Collection<InstanceIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "*/\n \[EC2-VPC\] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.\n</p>\n \b NOTE: \b This method appends the values to the existing list (if any). Use \{ @link #setIpv6Addresses(java.util.Collection) \} or \{ @link #withIpv6Addresses(java.util.Collection) \} if you want to override the existing values.\n</p>\n @param ipv6Addresses \[EC2-VPC\] Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.\n @return Returns a reference to this object so that method calls can be chained together.*/\n",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<InstanceIpv6Address>"};
Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.<br/>

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html) in the Amazon Elastic Compute Cloud User Guide. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html) in the Amazon Elastic Compute Cloud User Guide. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html) in the Amazon Elastic Compute Cloud User Guide. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see [PV-GRUB](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html) in the Amazon Elastic Compute Cloud User Guide.
"marshallLocationName" : "kernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p> <important>
@param kernelId The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "kernelId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p> <important>
@param kernelId The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "kernelId",
 "variableType" : "String",
 "documentation" : "<p>The ID of the kernel.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</i>.<p> <important>
"simple" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> </important>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> </important>
  @param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKeyName",
  "getterDocumentation" : "/**<p>The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> </important>
  @return The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>. If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getKeyName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "KeyName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "KeyName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/*<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't
connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p>
</important>\n@param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or
<a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance
unless you choose an AMI that is configured to allow users another way to log in.</p>*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The name of the key pair. You can create a key pair using
<a>CreateKeyPair</a> or <a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p>
</important>\n@param keyName The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or
<a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance
unless you choose an AMI that is configured to allow users another way to log in.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or
<a>ImportKeyPair</a>.</p> <important> <p>If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.</p> */",
"xmlNameSpaceUri" : null
},
"MaxCount" : {
"c2jName" : "MaxCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The maximum number of instances to launch. If you specify more instances than
Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of
instances above <code>MinCount</code>.</p> <p>Constraints: Between 1 and the maximum number you're
allowed for the specified instance type. For more information about the default limits, and how to request an
increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ."},
"enumType" : null,
"fluentSetterDocumentation" : "<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. @param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. @return Returns a reference to this object so that method calls can be chained together.
"/",
"fluentSetterMethodName" : "withMaxCount",
"getterDocumentation" : "<p>The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. @return The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. */",
"getterMethodName" : "getMaxCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MaxCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaxCount",
  "uri" : false
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MaxCount",
"setterDocumentation": "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. 

@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

@returns Returns a reference to this object so that method calls can be chained together.
"setterMethodName": "setMaxCount",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "maxCount",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ. 

@param maxCount The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.

@returns Returns a reference to this object so that method calls can be chained together."
The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above MinCount.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.

The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

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Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.
instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.*"/

"getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinCount",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinCount",

"setterDocumentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances."<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see &lt;a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"&gt;How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.&lt;/a&gt;<p>

"setterMethodName" : "setMinCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinCount",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinCount",

"setterDocumentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances."<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see &lt;a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"&gt;How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.*"/

"getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinCount",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinCount",

"setterDocumentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances."<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see &lt;a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"&gt;How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.*"/

"getterMethodName" : "getMinCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "MinCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinCount",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "MinCount",

"setterDocumentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances."<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see &lt;a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2/"&gt;How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.*"/
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minCount",
  "variableType" : "Integer",
  "documentation" : "The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances. Constraints: Between 1 and the maximum number you’re allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2\"">How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n\n@param minCount The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances. Constraints: Between 1 and the maximum number you’re allowed for the specified instance type. For more information about the default limits, and how to request an increase, see \n href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2\"">How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer",
  "xmlNameSpaceUri" : null
},
"Monitoring" : {
  "c2jName" : "Monitoring",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "The monitoring for the instance.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The monitoring for the instance.*/
\n@param monitoring The monitoring for the instance.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMonitoring",
  "getterDocumentation" : "The monitoring for the instance.*/
\n@param monitoring The monitoring for the instance.\n\n@return The monitoring for the instance.*/",
  "getterMethodName" : "getMonitoring",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : "Enabled",
    "marshallingInfo" : {
      "asType" : "Boolean",
      "fluentSetters" : ...
    }
  }
}
"additionalUnmarshallingPath" : "enabled",
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Monitoring",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Monitoring",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**\n@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param monitoring The monitoring for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>The monitoring for the instance.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
  "c2jName" : "NetworkInterfaces",
  "c2jShape" : "InstanceNetworkInterfaceSpecificationList",
  "deprecated" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Monitoring",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Monitoring",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**\n@param monitoring The monitoring for the instance.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param monitoring The monitoring for the instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "monitoring",
  "variableType" : "Boolean",
  "documentation" : "<p>The monitoring for the instance.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
  "c2jName" : "NetworkInterfaces",
  "c2jShape" : "InstanceNetworkInterfaceSpecificationList",
  "deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**<p>One or more network interfaces.</p>
@return One or more network interfaces.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
  "returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterface",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterface",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceNetworkInterfaceSpecification",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceNetworkInterfaceSpecification",
      "documentation" : null
    }
  }
}
The JSON object contains the following properties:

- `http`: Contains nested properties like `additionalMarshallingPath`, `additionalUnmarshallingPath`, `flattened`, `greedy`, `header`, `isPayload`, `isStreaming`, `location`, `marshallLocationName`, `queryString`, `statusCode`, `unmarshallLocationName`, `uri`.

- `idempotencyToken`: false

- `list`: false

- `listModel`: null

- `map`: false

- `mapModel`: null

- `name`: "Member"

- `setterDocumentation`: 

  ```
  /**
  * @param member */
  ```

- `setterMethodName`: "setMember"

- `setterModel`: 

  ```
  {
    "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
    "variableName": "member",
    "variableType": "InstanceNetworkInterfaceSpecification",
    "documentation": "",
    "simpleType": "InstanceNetworkInterfaceSpecification",
    "variableSetterType": "InstanceNetworkInterfaceSpecification"
  }
  ```

- `simple`: false

- `varargSetterDocumentation`: 

  ```
  /**
  * @param member
  * @return Returns a reference to this object so that method calls can be chained together.*/
  ```

- `variable`: 

  ```
  {
    "variableDeclarationType": "InstanceNetworkInterfaceSpecification",
    "variableName": "member",
    "variableType": "InstanceNetworkInterfaceSpecification",
    "documentation": "",
    "simpleType": "InstanceNetworkInterfaceSpecification",
    "variableSetterType": "InstanceNetworkInterfaceSpecification"
  }
  ```

- `xmlNameSpaceUri`: null

- `memberLocationName`: "item"

- `memberType`: "InstanceNetworkInterfaceSpecification"

- `map`: false

- `marshallNonAutoConstructedEmptyLists`: false
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/*<p>One or more network interfaces.</p>*/
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.
*/
,"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : ",",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more network interfaces.</p>*/
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.
*/
,"variable" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "<p>One or more network interfaces.</p>",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
},
"xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "Placement",
  "deprecated" : false,
  "documentation" : "<p>The placement for the instance.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The placement for the instance.</p>*/
@param placement The placement for the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/
,"setterDocumentation" : "/*<p>The placement for the instance.</p>*/
@param placement The placement for the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/
,"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "placement",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : ",",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The placement for the instance.</p>*/
@param placement The placement for the instance.
@return Returns a reference to this object so that method calls can be chained together.
*/
,"variable" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "placement",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "<p>The placement for the instance.</p>",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>",
},
"xmlNameSpaceUri" : null
},
The placement for the instance.

@getterDocumentation

The placement for the instance.

@setterDocumentation

The placement for the instance.

@varargSetterDocumentation

The placement for the instance.

@variable

The placement for the instance.

@idempotencyToken

The placement for the instance.

@http
"variableType" : "Placement",
"documentation" : "<p>The placement for the instance.</p>",
"simpleType" : "Placement",
"variableSetterType" : "Placement"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
 "c2jName" : "PrivateIpAddress",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p><p>@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
 "fluentSetterMethodName" : "withPrivateIpAddress",
 "getterDocumentation" : "/**<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet. <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
 "getterMethodName" : "getPrivateIpAddress",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"location": null,
"marshallLocationName": "PrivateIpAddress",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "privateIpAddress",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PrivateIpAddress",
"setterDocumentation": "/**<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>
@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.*/",
"setterMethodName": "setPrivateIpAddress",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>
@param privateIpAddress [EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "privateIpAddress",
  "variableType": "String",
  "documentation": "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.</p> <p>Only one private IP address can be designated as primary. You can't specify this option if you've specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>

@return Returns a reference to this object so that method calls can be chained together.*/"}
interface specification. You cannot specify this option if you're launching more than one instance in the request.</p>"},
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
 "xmlNameSpaceUri" : null
 },
 "RamdiskId" : {
   "c2jName" : "RamdiskId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "<p>The ID of the RAM disk. <i>important</i> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;/important&gt;",
   "enumType" : null,
   "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the RAM disk.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt; &lt;p&gt;We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html" &gt; PV-GRUB &lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt;\n@param ramdiskId The ID of the RAM disk.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt; &lt;p&gt;We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html" &gt; PV-GRUB &lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*\"",
   "fluentSetterMethodName" : "withRamdiskId",
   "getterDocumentation" : "/**&lt;p&gt;The ID of the RAM disk.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt; &lt;p&gt;We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html" &gt; PV-GRUB &lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt;\n@return The ID of the RAM disk.&lt;/p&gt; &lt;i&gt;important&lt;/i&gt; &lt;p&gt;We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html" &gt; PV-GRUB &lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;\*/",
   "getterMethodName" : "getRamdiskId",
   "getterModel" : {
     "returnType" : "String",
     "documentation" : null
   },
   "http" : {
     "additionalMarshallingPath" : null,
     "additionalUnmarshallingPath" : null,
     "flattened" : false,
     "greedy" : false,
     "header" : false,
     "isPayload" : false,
     "isStreaming" : false,
     "location" : null,
     "marshallLocationName" : "RamdiskId",
     "queryString" : false,
   }
}
"statusCode" : false,
"unmarshallLocationName" : "RamdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
@param ramdiskId The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
@param ramdiskId The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "<p>The ID of the RAM disk.</p> <important> <p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html"> PV-GRUB</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> </important>
},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

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"SecurityGroupIds" : {
  "c2jName" : "SecurityGroupIds",
  "c2jShape" : "SecurityGroupIdStringList",
  "deprecated" : false,
  "documentation" : "One or more security group IDs. You can create a security group using
  <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group."
},
"enumType" : null,
"fluentSetterDocumentation" : "/**One or more security group IDs. You can create a security group using
  <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n  @param securityGroupIds One or more security group IDs. You can create a security group using
  <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSecurityGroupIds",
"getterDocumentation" : "One or more security group IDs. You can create a security group using
  <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n  @return One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>. Default:
  Amazon EC2 uses the default security group.*/",
"getterMethodName" : "getSecurityGroupIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additional MarshallingPath" : null,
  "additional UnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "getterDocumentation" : "One or more security group IDs. You can create a security group using
    <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n    @param securityGroupIds One or more security group IDs. You can create a security group using
    <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSecurityGroupIds",
    "getterDocumentation" : "One or more security group IDs. You can create a security group using
    <a>CreateSecurityGroup</a>. Default: Amazon EC2 uses the default security group.\n    @return One or more security group IDs. You can create a security group using <a>CreateSecurityGroup</a>. Default:
    Amazon EC2 uses the default security group.*/",
    "getterMethodName" : "getSecurityGroupIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : {
      "additional MarshallingPath" : null,
      "additional UnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallingLocationName" : "SecurityGroupId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallingLocationName" : "SecurityGroupId",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
      "implType" : "com.amazonaws.internal.SdkInternalList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : 

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>\n@param securityGroupIds One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security
group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"map" : false,
"varargSetterDocumentation" : "/**<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security
group.</p>
<br>NOTE: This method appends the values to the existing list (if any). Use [@link #setSecurityGroupIds(java.util.Collection)] or [@link #withSecurityGroupIds(java.util.Collection)] if you want to override the existing values.</p>\n@param securityGroupIds One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security
group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more security group IDs. You can create a security group using
<a>CreateSecurityGroup</a>.</p> <p>Default: Amazon EC2 uses the default security group.</p>"
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"SecurityGroups" : {
"c2jName" : "SecurityGroups",
"c2jShape" : "SecurityGroupStringList",
"deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.
",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.</p>

@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/*<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> Default: Amazon EC2 uses the default security group.</p>

@return [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
",
"getterMethodName" : "getSecurityGroups",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
  }
}
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SecurityGroup",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroup",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
}
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroup",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>
@param securityGroups [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setSecurityGroups(java.util.Collection)} or { @link #withSecurityGroups(java.util.Collection)} if you want to override the existing values.</p>
@noParam securityGroups [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setSecurityGroups(java.util.Collection)} or { @link #withSecurityGroups(java.util.Collection)} if you want to override the existing values.</p>
@noParam securityGroups [EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"variableName" : "securityGroups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.</p> <p>Default: Amazon EC2 uses the default security group.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@return [EC2-VPC] The ID of the subnet to launch the instance into.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/"}
subnetId [EC2-VPC] The ID of the subnet to launch the instance into.*"},
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>
@param subnetId [EC2-VPC] The ID of the subnet to launch the instance into.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : `<p>[EC2-VPC] The ID of the subnet to launch the instance into.</p>`,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserData" : {
  "c2jName" : "UserData",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : ""/**<p>The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>""
text.

**getterDocumentation**:

The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

**getterMethodName**: "getUserData",

**getterModel**: {
  "returnType": "String",
  "documentation": null
},

**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "UserData",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UserData",
  "uri": false
},

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "UserData",

**setterDocumentation**:

The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

**setterMethodName**: "withUserData",
** setterMethodName : "setUserData",**

setterModel : {
    ** variableDeclarationType" : "String",**
    ** variableName" : "userData",**
    ** variableType" : "String",**
    ** documentation" : ":",**
    ** simpleType" : "String",**
    ** variableSetterType" : "String"**
}

simple" : true,

vvarargSetterDocumentation" : "/** The user data to make available to the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html">Running Commands on Your Linux Instance at Launch</a> (Linux) and <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ec2-instance-metadata.html#instancedata-add-user-data">Adding User Data</a> (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

@returns Returns a reference to this object so that method calls can be chained together.*/",**

variable" : {
    variableDeclarationType" : "String",**
    variableName" : "userData",**
    variableType" : "String",**
    documentation" : ":",**
    simpleType" : "String",**
    variableSetterType" : "String"**
}

xmlNameSpaceUri" : null
}

requestSignerAware" : false,**

requestSignerClassFqcn" : null,
"required" : [ "ImageId", "MinCount", "MaxCount" ],
"shapeName" : "RunInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RunInstancesRequest",
  "variableName" : "runInstancesRequest",
  "variableType" : "RunInstancesRequest",
  "documentation" : null,
  "simpleType" : "RunInstancesRequest",
  "variableSetterType" : "RunInstancesRequest"
},
"wrapper" : false
},
"RunInstancesResult" : {
  "c2jName" : "RunInstancesResult",
  "customization" : {
    "artificialResultWrapper" : {
      "wrappedMemberName" : "Reservation",
      "wrappedMemberSimpleType" : "Reservation"
    },
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the Reservation object that was sent over the wire.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Reservation",
    "c2jShape" : "Reservation",
    "deprecated" : false,
    "documentation" : "<p>Describes a reservation.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : /*<p>Describes a reservation.</p>*/ return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withReservation",
    "getterDocumentation" : /*<p>Describes a reservation.</p>*/ return Describes a reservation.*/",
    "getterMethodName" : "getReservation",
    "getterModel" : {
      "returnType" : "Reservation",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Reservation",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Reservation",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Reservation",
  "setterDocumentation": "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.*/",
  "setterMethodName": "setReservation",
  "setterModel": {
    "variableDeclarationType": "Reservation",
    "variableName": "reservation",
    "variableType": "Reservation",
    "documentation": "",
    "simpleType": "Reservation",
    "variableSetterType": "Reservation"
  },
  "simple": false,
  "varargSetterDocumentation": "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
    "variableDeclarationType": "Reservation",
    "variableName": "reservation",
    "variableType": "Reservation",
    "documentation": "<p>Describes a reservation.</p",
    "simpleType": "Reservation",
    "variableSetterType": "Reservation"
  },
  "xmlNameSpaceUri": null
}]},
"membersAsMap": {
  "Reservation": {
    "c2jName": "Reservation",
    "c2jShape": "Reservation",
    "c2jSlot": "Reservation",
    "marshallerMethodName": "setReservation",
    "unmarshallerMethodName": "getReservation"
  }
}
"deprecated" : false,
"documentation" : "<p>Describes a reservation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withReservation",
"getterDocumentation" : "/**<p>Describes a reservation.</p>
@return Describes a reservation.*"",
"getterMethodName" : "getReservation",
"getterModel" : {
  "returnType" : "Reservation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Reservation",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Reservation",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Reservation",
"setterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together."*/",
"setterMethodName" : "setReservation",
"setterModel" : {
  "variableDeclarationType" : "Reservation",
  "variableName" : "reservation",
  "variableType" : "Reservation",
  "documentation" : "",
  "simpleType" : "Reservation",
  "variableSetterType" : "Reservation"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Describes a reservation.</p>
@param reservation Describes a reservation.
@return Returns a reference to this object so that method calls can be chained together."*/",
"variable" : {


"variableDeclarationType" : "Reservation",
"variableName" : "reservation",
"variableType" : "Reservation",
"documentation" : "<p>Describes a reservation.</p>",
"simpleType" : "Reservation",
"variableSetterType" : "Reservation"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RunInstancesResult",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RunInstancesResult",
  "variableName" : "runInstancesResult",
  "variableType" : "RunInstancesResult",
  "documentation" : null,
  "simpleType" : "RunInstancesResult",
  "variableSetterType" : "RunInstancesResult"
},
"wrapper" : false
},
"RunScheduledInstancesRequest" : {
  "c2jName" : "RunScheduledInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RunScheduledInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "RunScheduledInstances",
    "locationName" : null,
    "requestUri" : "/"
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [ {
"c2jName" : "ClientToken",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@param clientToken Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClientToken",
"getterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>
@return Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
*/",
"getterMethodName" : "getClientToken",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ClientToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ClientToken",
"uri" : false
},
"idempotencyToken" : true,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClientToken",
"setterDocumentation" : "/** <p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. </p>*/",
"setterMethodName" : "setClientToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. </p>\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "clientToken",
  "variableType" : "String",
  "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. </p>\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of instances. </p> <p>Default: 1 </p>\n",
"enumType" : null,
"fluentSetterDocumentation": "/**<p>The number of instances.</p> 
@param instanceCount The number of instances.</p> 
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withInstanceCount",
"getterDocumentation": "/**<p>The number of instances.</p> 
@return The number of instances.</p> 
Default: 1*/",
"getterMethodName": "getInstanceCount",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceCount",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount",
"setterDocumentation": "/**<p>The number of instances.</p> 
@param instanceCount The number of instances.</p> 
@return Returns a reference to this object so that method calls can be chained together.*"",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of instances.</p> 
@param instanceCount The number of instances.</p> 
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : "<p>The number of instances.</p> <p>Default: 1</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "ScheduledInstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Scheduled Instance ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The
Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withScheduledInstanceId",
"getterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@return The Scheduled Instance ID.*",
"getterMethodName" : "getScheduledInstanceId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ScheduledInstanceId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ScheduledInstanceId",
 "uri" : false
},
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "ScheduledInstanceId",
 "setterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The
Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "setterMethodName" : "setScheduledInstanceId",
 "setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "scheduledInstanceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Scheduled Instance ID.</p>
@param scheduledInstanceId The Scheduled Instance ID.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "scheduledInstanceId",
"variableType" : "String",
"documentation" : "<p>The Scheduled Instance ID.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "LaunchSpecification",
"c2jShape" : "ScheduledInstancesLaunchSpecification",
"deprecated" : false,
"documentation" : "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withLaunchSpecification",
"getterDocumentation" : "/**\n<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>
@return The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
"getterMethodName" : "getLaunchSpecification",
"getterModel" : {
"returnType" : "ScheduledInstancesLaunchSpecification",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchSpecification",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LaunchSpecification",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecification",
"setterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>*/
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
"setterMethodName" : "setLaunchSpecification",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"simple" : false,
"vargSetterDocumentation" : "/**<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>*/
@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "launchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>*/",
  "simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ClientToken" : {
    "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more"
information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

@<p>/p>

"enumType" : null,

"fluentSetterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. */",

"fluentSetterMethodName" : "withClientToken",

"getterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. */",

"getterMethodName" : "getClientToken",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ClientToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ClientToken",
  "uri" : false
},

"idempotencyToken" : true,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "ClientToken",

"setterDocumentation" : "/**<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>. */",

For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.
Idempotency</a>.

- **clientToken**: Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
public class RunInstancesRequest {
    private String clientToken;

    public RunInstancesRequest withClientToken(String clientToken) {
        this.clientToken = clientToken;
        return this;
    }

    public String getClientToken() {
        return clientToken;
    }

    // Other methods...
}
```

- **InstanceCount**: The number of instances. Default: 1

```java
public class RunInstancesRequest {
    private int instanceCount;

    public RunInstancesRequest withInstanceCount(int instanceCount) {
        this.instanceCount = instanceCount;
        return this;
    }

    public int getInstanceCount() {
        return instanceCount;
    }

    // Other methods...
}
```
"returnType" : "Integer",
"documentation" : null

},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceCount",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/** The number of instances. */
Default: 1
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/** The number of instances. */
Default: 1
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "The number of instances.
Default: 1",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
"LaunchSpecification" : {
    "c2jName" : "LaunchSpecification",
    "c2jShape" : "ScheduledInstancesLaunchSpecification",
    "deprecated" : false,
    "documentation" : "<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>\n@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withLaunchSpecification",
    "getterDocumentation" : "/*<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>\n@return The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
    "getterMethodName" : "getLaunchSpecification",
    "getterModel" : {
        "returnType" : "ScheduledInstancesLaunchSpecification",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "LaunchSpecification",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "LaunchSpecification",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "LaunchSpecification",
    "setterDocumentation" : "/*<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.</p>\n@param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.*/",
    "setterMethodName" : "setLaunchSpecification",
}
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesLaunchSpecification",
  "variableName": "launchSpecification",
  "variableType": "ScheduledInstancesLaunchSpecification",
  "documentation": "",
  "simpleType": "ScheduledInstancesLaunchSpecification",
  "variableSetterType": "ScheduledInstancesLaunchSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**\<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.\</p>\param launchSpecification The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.\</p>\r\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesLaunchSpecification",
  "variableName": "launchSpecification",
  "variableType": "ScheduledInstancesLaunchSpecification",
  "documentation": "\<p>The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.\</p>\r\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri": null
},
"ScheduledInstanceId": {
  "c2jName": "ScheduledInstanceId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "\<p>The Scheduled Instance ID.\</p>\r\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**\<p>The Scheduled Instance ID.\</p>\param scheduledInstanceId The Scheduled Instance ID.\</p>\r\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withScheduledInstanceId",
  "getterDocumentation": "/**\<p>The Scheduled Instance ID.\</p>\r\n@returns The Scheduled Instance ID.*/",
  "getterMethodName": "getScheduledInstanceId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
"location" : null,
"marshallLocationName" : "ScheduledInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ScheduledInstanceId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ScheduledInstanceId",
"setterDocumentation" : "/**\nThe Scheduled Instance ID.
\n@method scheduledInstanceId The Scheduled Instance ID.*/",
"setterMethodName" : "setScheduledInstanceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "scheduledInstanceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nThe Scheduled Instance ID.
\n@method scheduledInstanceId The Scheduled Instance ID.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "scheduledInstanceId",
    "variableType" : "String",
    "documentation" : "<p>The Scheduled Instance ID.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ScheduledInstanceId", "LaunchSpecification" ],
"shapeName" : "RunScheduledInstancesRequest",
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "RunScheduledInstancesRequest",
    "variableName" : "runScheduledInstancesRequest",
    "variableType" : "RunScheduledInstancesRequest",
    "documentation" : null,
"simpleType": "RunScheduledInstancesRequest",
"variableSetterType": "RunScheduledInstancesRequest"
},
"wrapper": false
},
"RunScheduledInstancesResult": {
"c2jName": "RunScheduledInstancesResult",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Contains the output of RunScheduledInstances.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
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    "c2jShape": "InstanceIdSet",
    "deprecated": false,
    "documentation": "<p>The IDs of the newly launched instances.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IDs of the newly launched instances.</p>\n@param instanceIdSet
The IDs of the newly launched instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withInstanceIdSet",
    "getterDocumentation": "/**<p>The IDs of the newly launched instances.</p>\n@return The IDs of the newly launched instances.*/",
    "getterMethodName": "getInstanceIdSet",
    "getterModel": {
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      "documentation": null
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      "greedy": false,
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      "isPayload": false,
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      "location": null,
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      "marshallingStrategy": null,
      "name": "InstanceIdSet",
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      "patternMatcher": null,
      "payloadNameStrategy": null,
      "readerFactory": null,
      "responseHttpMetadata": null
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    "responseType": "java.util.List<String>",
    "shapeName": "InstanceIdSet",
    "shapeType": "simpleType",
    "traits": [],
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    "unmarshallingStrategy": null,
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"list" : true,
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"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
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"getterDocumentation" : "/**\n@return */",
"getMethodName" : "getMember",
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"returnType" : "String",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"statusCode" : false,
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"uri" : false
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"name" : "Member",
"setterDocumentation" : "/**\n@param member */".
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIdSet(java.util.Collection)} or
{@link #withInstanceIdSet(java.util.Collection)} if you want to override the existing values.</p><p>@param<br>instanceIdSet The IDs of the newly launched instances.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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"documentation" : "<p>The IDs of the newly launched instances.</p>",
"simpleType" : "List<String>",
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"documentation" : "<p>The IDs of the newly launched instances.</p>",
"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*"",
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"documentation" : null
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"statusCode" : false,
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
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    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "///<\n\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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  },
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    "greedy": false,
    "header": false,
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    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
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  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "///<\n@returns */",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "String"
  }
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"idempotencyToken": false,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
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    "documentation": "",
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    "getterDocumentation": "///<\n\n@returns */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
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    "greedy": false,
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    "isStreaming": false,
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    "queryString": false,
    "statusCode": false,
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  "list": false,
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  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "///<\n@returns */",
  "setterMethodName": "setMember",
  "setterModel": {
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    "variableName": "member",
    "variableType": "String"
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}.}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIdSet",
"setterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
@param instanceIdSet The IDs of the newly launched instances.*/",
"setterMethodName" : "setInstanceIdSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIdSet",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of the newly launched instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIdSet(java.util.Collection)} or {@link #withInstanceIdSet(java.util.Collection)} if you want to override the existing values.*/
@return Returns a reference to this object so that method
calls can be chained together.*/

"variable" : {
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  "variableName" : "instanceIdSet",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of the newly launched instances.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "RunScheduledInstancesResult",
  "variableName" : "runScheduledInstancesResult",
  "variableType" : "RunScheduledInstancesResult",
  "documentation" : null,
  "simpleType" : "RunScheduledInstancesResult",
  "variableSetterType" : "RunScheduledInstancesResult"
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"wrapper" : false
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"S3Storage" : {
  "c2jName" : "S3Storage",
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Describes the storage parameters for S3 and S3 buckets for an instance store-backed
AMI.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RunScheduledInstancesResult",
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    "resultWrapper" : null
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    "variableName" : "runScheduledInstancesResult",
    "variableType" : "RunScheduledInstancesResult",
    "documentation" : null,
    "simpleType" : "RunScheduledInstancesResult",
    "variableSetterType" : "RunScheduledInstancesResult"
  },
  "wrapper" : false
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"members" : [ 
    "c2jName" : "Bucket",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error."
  ],
  "enumType" : null,
  "fluentSetterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
  @param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
  @return Returns a reference to this object so that method calls can be chained together.
  
  fluentSetterMethodName" : "withBucket",
  "getterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.
  
  getterMethodName" : "getBucket",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Bucket",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "bucket",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Bucket",
  "setterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to

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someone else, Amazon EC2 returns an error.\n@\n@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/
, "setterMethodName": "setBucket",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "bucket",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n@\n@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/
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  "variableName": "bucket",
  "variableType": "String",
  "documentation": "<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"c2jName": "Prefix",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The beginning of the file name of the AMI.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n@\n@param prefix The beginning of the file name of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withPrefix",
"getterDocumentation": "/**\n@\n@return The beginning of the file name of the AMI.\n",
"getterMethodName": "getPrefix",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefix",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/**<p>The beginning of the file name of the AMI.</p>
@param prefix The beginning of the file name of the AMI.*/",
"setterMethodName" : "setPrefix",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The beginning of the file name of the AMI.</p>
@param prefix The beginning of the file name of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "<p>The beginning of the file name of the AMI.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AWSAccessKeyId",
"c2jShape" : "String",
"deprecated" : false,
The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in "Best Practices for Managing AWS Access Keys". Returns a reference to this object so that method calls can be chained together.

The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in "Best Practices for Managing AWS Access Keys".

The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in "Best Practices for Managing AWS Access Keys".

setterMethodName" : "setAWSAccessKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "aWSAccessKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
\n@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the guidance in <a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "UploadPolicy",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadPolicy",
"getterDocumentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n\n@return An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
"getterMethodName" : "getUploadPolicy",
"getterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.\n\n@return An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/
  "variableSetterType" : "String"
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"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocationName" : "UploadPolicy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "uploadPolicy",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
"setterMethodName" : "setUploadPolicy",
"setterModel" : {
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  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "",
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  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "uploadPolicy",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
"setterMethodName" : "setUploadPolicy",
"setterModel" : {
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  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "",
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "uploadPolicy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "uploadPolicy",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
@return Returns a reference to this object so that method calls can be chained together.*/", 
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "",
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  "marshallLocationName" : "uploadPolicy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "uploadPolicy",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"setterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/", 
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "uploadPolicy",
  "variableType" : "String",
  "documentation" : "",
  "isPayload" : false,
  "isStreaming" : false,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UploadPolicySignature",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The signature of the JSON document.</p>",
"enumType" : null,

"fluentSetterDocumentation" : "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature The signature of the JSON document.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUploadPolicySignature",
"getterDocumentation" : "/**<p>The signature of the JSON document.</p>
@return The signature of the JSON document.*/",
"getterMethodName" : "getUploadPolicySignature",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadPolicySignature",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "uploadPolicySignature",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicySignature",
"setterDocumentation" : "/**<p>The signature of the JSON document.</p>
@param uploadPolicySignature The signature of the JSON document.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUploadPolicySignature",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "uploadPolicySignature",
"variableSetters":null,
"xmlNameSpaceUri":null}
"variableType" : "String",
.documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The signature of the JSON document.</p>
@param
uploadPolicySignature The signature of the JSON document.</p>
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "uploadPolicySignature",
  "variableType" : "String",
  "documentation" : "<p>The signature of the JSON document.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AWSAccessKeyId" : {
    "c2jName" : "AWSAccessKeyId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The access key ID of the owner of the bucket. Before you specify a value for your
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
    value for your access key ID, review and follow the guidance in &lt;a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>&lt;/a&gt;.&lt;/p&gt;\n@param aWSAccessKeyId The access key ID of the owner of the bucket.
    Before you specify a value for your access key ID, review and follow the guidance in &lt;a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>&lt;/a&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withAWSAccessKeyId",
    "getterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a value for your
    access key ID, review and follow the guidance in &lt;a href="http://docs.aws.amazon.com/general/latest/gr/aws-access-keys-best-practices.html">Best Practices for Managing AWS Access Keys</a>&lt;/a&gt;.&lt;/p&gt;\n@return The access key ID of the owner of the bucket. Before you specify a value for your access key ID, review and follow the
    "getterMethodName" : "getAWSAccessKeyId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
"Open Source Used In Virtualized Voice Browser 12.6(1) 25801
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AWSAccessKeyId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AWSAccessKeyId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AWSAccessKeyId",
"setterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a value for
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
"setterMethodName" : "setAWSAccessKeyId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
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    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The access key ID of the owner of the bucket. Before you specify a
@param aWSAccessKeyId The access key ID of the owner of the bucket. Before you specify a value for your access key ID,
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "aWSAccessKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"variableType" : "String",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Bucket" : {
"c2jName" : "Bucket",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n\n@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBucket",
"getterDocumentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n\n@return The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"getterMethodName" : "getBucket",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Bucket",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bucket",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Bucket",
"setterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>\n@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.*/",
"setterMethodName" : "setBucket",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "bucket",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.</p>\n@param bucket The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "bucket",
    "variableType" : "String",
    "documentation" : "The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.\n"},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Prefix" : {
    "c2jName" : "Prefix",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The beginning of the file name of the AMI.\n"},
"enumType" : null,
"fluentSetterDocumentation" : "The beginning of the file name of the AMI.\n@return Returns a reference to this object so that method calls can be
chained together.*\*/

fluentSetterMethodName" : "withPrefix",
getterDocumentation" : "/*<p>The beginning of the file name of the AMI.</p>\n@return The beginning of the file name of the AMI.*\*/
getterMethod" : "getPrefix",
getterModel" : {
"returnType" : "String",
"documentation" : null
},
http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/*<p>The beginning of the file name of the AMI.</p>\n@param prefix The beginning of the file name of the AMI.*\*/
setterMethod" : "setPrefix",
setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "prefix",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The beginning of the file name of the AMI.</p>\n@param prefix The beginning of the file name of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*\*/
variable" : {
"variableDeclarationType" : "String",
"variableName" : "prefix",
"variableType" : "String"}
"variableType" : "String",
"documentation" : "<p>The beginning of the file name of the AMI.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"UploadPolicy" : {
"c2jName" : "UploadPolicy",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withUploadPolicy",
"getterDocumentation" : "/**<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.</p>
@return An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.*/",
"methodName" : "getUploadPolicy",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UploadPolicy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "uploadPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UploadPolicy",
"operationName" : "CreateVolumeImageModifiedImage",
"shapeName" : "CreateVolumeImageModifiedImage",
"serviceName" : "EC2"
}
An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf. An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.

`setterDocumentation`: 
```
/**
 * An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
 *
 * @param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

`setterMethodName` : "setUploadPolicy",

`setterModel` : {
    "variableDeclarationType" : "String",
    "variableName" : "uploadPolicy",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

`varargSetterDocumentation` : 
```
/**
 * An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
 *
 * @param uploadPolicy An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

`variable` : {
    "variableDeclarationType" : "String",
    "variableName" : "uploadPolicy",
    "variableType" : "String",
    "documentation" : "An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into Amazon S3 on your behalf.
",
    "simpleType" : "String",
    "variableSetterType" : "String"
},

`xmlNameSpaceUri` : null

`UploadPolicySignature` : {
    "c2jName" : "UploadPolicySignature",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The signature of the JSON document.
",
    "enumType" : null,
    "fluentSetterDocumentation" : 
```
/**
 * The signature of the JSON document.
 *
 * @param uploadPolicySignature The signature of the JSON document.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

`fluentSetterMethodName` : "withUploadPolicySignature",

`getterDocumentation` : 
```
/**
 * The signature of the JSON document.
 *
 * @return The signature of the JSON document.
 */
```

`getterMethodName` : "getUploadPolicySignature",

`getterModel` : {
    "returnType" : "String",
    "documentation" : null
},

`http` : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UploadPolicySignature",
"setterDocumentation": "/**\n\n@param uploadPolicySignature
The signature of the JSON document.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "uploadPolicySignature",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\n@param uploadPolicySignature
The signature of the JSON document.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "uploadPolicySignature",
"variableType": "String",
"documentation": "The signature of the JSON document.\n\n"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "S3Storage",
"marshallLocationName": "UploadPolicySignature",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "uploadPolicySignature",
"uri": false,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"xmlNameSpaceUri": null}
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "S3Storage",
  "variableName" : "s3Storage",
  "variableType" : "S3Storage",
  "documentation" : null,
  "simpleType" : "S3Storage",
  "variableSetterType" : "S3Storage"
},
"wrapper" : false
},
"ScheduledInstance" : {
  "c2jName" : "ScheduledInstance",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Scheduled Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "ScheduledInstanceId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The Scheduled Instance ID.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@<p>param scheduledInstanceId The Scheduled Instance ID.</p>
@<p>return Returns a reference to this object so that method calls can be chained together.</p>*/",
      "fluentSetterMethodName" : "withScheduledInstanceId",
      "getterDocumentation" : "/**<p>The Scheduled Instance ID.</p>
@<p>return The Scheduled Instance ID.</p>*/",
      "getterMethodName" : "getScheduledInstanceId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "operationIdentifier" : null,
        "method" : "GET",
        "responseLocation" : null,
        "responseModel" : null
      }
    }
  ]
}
"fluentSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "/**<p>The instance type.</p>
@return The instance type.*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"complexType" : "String",
"documentation" : "<p>The instance type.</p>"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "The platform (<code>Linux/UNIX</code> or <code>Windows</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "NetworkPlatform",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName" : "withNetworkPlatform",
  "getterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n@return The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).*/",
  "getterMethodName" : "getNetworkPlatform",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkPlatform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkPlatform",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkPlatform",
"setterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).*/",
"setterMethodName" : "setNetworkPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkPlatform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "networkPlatform",
  "variableType" : "String",
  "documentation" : "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone.</p>

**@param availabilityZone The Availability Zone.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/"
"getterDocumentation" : "/**<p>The Availability Zone.</p>
@n@return The Availability Zone.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>
@n@param availabilityZone The Availability Zone.
@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null,
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"c2jName" : "SlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of hours in the schedule.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSlotDurationInHours",
"getterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.
*/",
"getterMethodName" : "getSlotDurationInHours",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "slotDurationInHours",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SlotDurationInHours",
"setterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
*/",
"setterMethodName" : "setSlotDurationInHours",
"setterModel" : {
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"variableName" : "slotDurationInHours",
"variableType" : "Integer",
"documentation" : "",}
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "previousSlotEndTime",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PreviousSlotEndTime",
"setterDocumentation": "/**<p>The time that the previous schedule ended or will end.</p>
@param previousSlotEndTime The time that the previous schedule ended or will end.*/",
"setterMethodName": "setPreviousSlotEndTime",
"setterModel": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "previousSlotEndTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time that the previous schedule ended or will end.</p>
@param previousSlotEndTime The time that the previous schedule ended or will end.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "previousSlotEndTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The time that the previous schedule ended or will end.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
{
  "c2jName": "NextSlotStartTime",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The time for the next schedule to start.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The time for the next schedule to start.</p>
@param nextSlotStartTime"
The time for the next schedule to start.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withNextSlotStartTime",
"getterDocumentation" : "/**<p>The time for the next schedule to start.</p>*/

getterMethodName" : "getNextSlotStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NextSlotStartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "nextSlotStartTime",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NextSlotStartTime",
"setterDocumentation" : "/**<p>The time for the next schedule to start.</p>*/

setterMethodName" : "setNextSlotStartTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "nextSlotStartTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},

"simple" : true,
"varargSetterDocumentation" : "/**<p>The time for the next schedule to start.</p>*/

variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "nextSlotStartTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
}
"variableName" : "nextSlotStartTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time for the next schedule to start.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"c2jName" : "HourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The hourly price for a single instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>\n@param hourlyPrice The hourly price for a single instance.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" : "<p>The hourly price for a single instance.</p>\n@return The hourly price for a single instance.*/",
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "<p>The hourly price for a single instance.</p>\n@param hourlyPrice The hourly price for a single instance.*/",
"setterMethodName" : "setHourlyPrice"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>
@param hourlyPrice The hourly price for a single instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly price for a single instance.</p>

simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"c2jName" : "TotalScheduledInstanceHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>

"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTotalScheduledInstanceHours",
"getterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>

"getterMethodName" : "getTotalScheduledInstanceHours",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "totalScheduledInstanceHours",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalScheduledInstanceHours",
"setterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.*/",
"setterMethodName" : "setTotalScheduledInstanceHours",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalScheduledInstanceHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalScheduledInstanceHours",
  "variableType" : "Integer",
  "documentation" : "The total number of hours for a single instance for the entire term.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"c2jName" : "InstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of instances.",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceCount",
"getterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return The number of instances.*/",
"getterMethodName" : "getInstanceCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "instanceCount",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.</p>
@return Returns a reference to this object so that method calls can be chained together.*/**",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "instanceCount",
 "variableType" : "Integer",
 "documentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/**",
 "variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "instanceCount",
 "variableType" : "Integer",
 "documentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/**",
 "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/**",
 "variable" : {
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 "variableType" : "Integer",
 "documentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/**",
 "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"c2jName" : "TermStartDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The start date for the Scheduled Instance.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<br /> The start date for the Scheduled Instance.<br /> \n@<br /> \n\n@return
<br />

Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTermStartDate",
"getterDocumentation" : "/**\n<br /> The start date for the Scheduled Instance.<br /> \n@<br /> \n\n@return
<br />
The start date for the Scheduled Instance.
*/",
"getterMethodName" : "getTermStartDate",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TermStartDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "termStartDate",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TermStartDate",
"setterDocumentation" : "/**\n<br /> The start date for the Scheduled Instance.<br /> \n@<br /> \n\n@return
<br />
The start date for the Scheduled Instance.
*/",
"setterMethodName" : "setTermStartDate",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "termStartDate",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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    "variableDeclarationType" : "java.util.Date",
    "variableName" : "termStartDate",
    "variableType" : "java.util.Date",
    "documentation" : "The start date for the Scheduled Instance.",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null,
"c2jName" : "TermEndDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The end date for the Scheduled Instance.",
"enumType" : null,
"fluentSetterDocumentation" : "The end date for the Scheduled Instance.",
"fluentSetterMethodName" : "withTermEndDate",
"getterDocumentation" : "The end date for the Scheduled Instance.",
"getterMethodName" : "getTermEndDate",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TermEndDate",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "termEndDate",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"varargSetterDocumentation" : "The start date for the Scheduled Instance.",
"param termStartDate" : 
The start date for the Scheduled Instance.
"return" : Returns a reference to this object so that method calls can be chained together."
"map" : false,
"mapModel" : null,
"name" : "TermEndDate",
"setterDocumentation" : "/**\n* The end date for the Scheduled Instance.\n* \n* @param termEndDate The end date for the Scheduled Instance.*/",
"setterMethodName" : "setTermEndDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "termEndDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The end date for the Scheduled Instance.\n* \n* @param termEndDate The end date for the Scheduled Instance.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "termEndDate",
  "variableType" : "java.util.Date",
  "documentation" : "The end date for the Scheduled Instance.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateDate",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date when the Scheduled Instance was purchased.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateDate",
"getterDocumentation" : "/**\n* The date when the Scheduled Instance was purchased.\n* \n* @return The date when the Scheduled Instance was purchased.\n*/",
"getterMethodName" : "getCreateDate",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CreateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createDate",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateDate",
"setterDocumentation" : "/**\n<p>The date when the Scheduled Instance was purchased.</p>
@param createDate The date when the Scheduled Instance was purchased.*/",
"setterMethodName" : "setCreateDate",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The date when the Scheduled Instance was purchased.</p>
@param createDate The date when the Scheduled Instance was purchased.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createDate",
  "variableType" : "java.util.Date",
  "documentation" : "\n<p>The date when the Scheduled Instance was purchased.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null }
],
"membersAsMap" : {
"AvailabilityZone" : {
  "c2jName" : "AvailabilityZone",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\n<p>The Availability Zone.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>\n@\param availabilityZone The Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone.</p>\n@return The Availability Zone.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
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"documentation" : null
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>\n@\param availabilityZone The Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "<p>The Availability Zone.</p>",
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"CreateDate" : {
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  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date when the Scheduled Instance was purchased.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date when the Scheduled Instance was purchased.</p>
@param createDate The date when the Scheduled Instance was purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The date when the Scheduled Instance was purchased.</p>
@return The date when the Scheduled Instance was purchased.*/",
  "getterMethodName" : "getCreateDate",
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    "documentation" : null
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    "greedy" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "createDate",
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  "map" : false,
  "mapModel" : null,
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  "setterDocumentation" : "/**<p>The date when the Scheduled Instance was purchased.</p>
@param createDate The date when the Scheduled Instance was purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "createDate",
    "variableType" : "java.util.Date",
    "documentation" : "",
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    "variableSetterType" : "java.util.Date"
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@param createDate The date when the Scheduled Instance was purchased.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The hourly price for a single instance.</p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>
    @param hourlyPrice The hourly price for a single instance.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withHourlyPrice",
    "getterDocumentation" : "/**<p>The hourly price for a single instance.</p>
    @return The hourly price for a single instance.*/",
    "getterMethodName" : "getHourlyPrice",
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        "documentation" : null
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"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
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@param hourlyPrice The hourly price for a single instance.*/",
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"setterModel" : {
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  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>
@param hourlyPrice The hourly price for a single instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The hourly price for a single instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances.</p>
@param instanceCount The number of instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**<p>The number of instances.</p>
@return The number of instances.*/",
  "getterMethodName" : "getInstanceCount",
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    "unmarshallLocationName" : "instanceCount",
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    "variableType" : "Integer",
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    "variableSetterType" : "Integer"
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"varargSetterDocumentation" : "/**<p>The number of instances.</p><p>@param instanceCount The number of instances.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The number of instances.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The instance type.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance
type.<n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type.</p>
@return The instance type.*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : {
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    "documentation" : null
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  "setterDocumentation" : "/**<p>The instance type.</p>
@param instanceType The instance type.*/",
  "setterMethodName" : "setInstanceType",
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    "variableSetterType" : "String"
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@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "deprecated": false,
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@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withNetworkPlatform",
  "getterDocumentation": "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@return The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).*\",
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  "getterModel": {
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    "documentation": null
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    "greedy": false,
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  "listModel": null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).*/",
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<p><code>@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).<p><code>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "documentation" : "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).",
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    "variableSetterType" : "String"
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    "c2jShape" : "DateTime",
    "deprecated" : false,
    "documentation" : "The time for the next schedule to start.<p>
    "http" : {
    "NextSlotStart time" : {
    "c2jName" : "NextSlotStartTime",
    "c2jShape" : "Date Time",
    "deprecated" : false,
    "documentation" : "The time for the next schedule to start.
    "getterDocumentation" : "/*<p>The time for the next schedule to start.</p>
    "getterMethodName" : "getNextSlotStartTime",
    "getterModel" : {
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        "documentation" : null
    },
    "http" : {

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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**\n@param nextSlotStartTime The time for the next schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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  "c2jShape" : "String"
"deprecated" : false,
"documentation" : "The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\</"",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).\n@param platform The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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<code>Windows</code>).\n@return The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).*/",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/*<p>The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).\n@param platform The platform (<code>Linux/UNIX</code> or
<code>Windows</code>).*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
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"variableName" : "platform",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : ":&lt;p&gt;The platform (<code>Linux/UNIX</code> or &lt;code&gt;Windows&lt;/code&gt;).&lt;/p&gt;
  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"PreviousSlotEndTime" : {
  "c2jName" : "PreviousSlotEndTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : ":<p>The time that the previous schedule ended or will end.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time that the previous schedule ended or will end.&lt;/p&gt;\n@param previousSlotEndTime The time that the previous schedule ended or will end.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPreviousSlotEndTime",
  "getterDocumentation" : "/**<p>The time that the previous schedule ended or will end.&lt;/p&gt;\n@return The time that the previous schedule ended or will end.*/",
  "getterMethodName" : "getPreviousSlotEndTime",
  "getterModel" : {
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    "documentation" : null
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "marshallLocationName" : "PreviousSlotEndTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "previousSlotEndTime",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PreviousSlotEndTime",
"setterDocumentation" : "/**
\p The time that the previous schedule ended or will end.*/
\param previousSlotEndTime The time that the previous schedule ended or will end.
\setterMethodName" : "setPreviousSlotEndTime",
"setterModel" : {
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  "variableName" : "previousSlotEndTime",
  "variableType" : "java.util.Date",
  "documentation" : ",",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**
\p The time that the previous schedule ended or will end.*/
\param previousSlotEndTime The time that the previous schedule ended or will end.\returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.Date",
  "documentation" : ",",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"xmlNameSpaceUri" : null
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"Recurrence" : {
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  "c2jShape" : "ScheduledInstanceRecurrence",
  "deprecated" : false,
  "documentation" : ",",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"Recurrence" : {
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  "c2jShape" : "ScheduledInstanceRecurrence",
  "deprecated" : false,
  "documentation" : ",",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\p The schedule recurrence.*/
\param recurrence The schedule recurrence.\returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withRecurrence",
  "getterDocumentation" : "/**\p The schedule recurrence.*/
\param recurrence The schedule recurrence.\returns The schedule recurrence.*/",
  "getterMethodName" : "getRecurrence",
  "getterModel" : {
    "returnType" : "ScheduledInstanceRecurrence",
    "documentation" : null
  },
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"isStreaming" : false,
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"listModel" : null,
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"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : /**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.*/

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"setterModel" : {
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  "variableName" : "recurrence",
  "variableType" : "ScheduledInstanceRecurrence",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceRecurrence",
  "variableSetterType" : "ScheduledInstanceRecurrence"
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"simple" : false,
"varargSetterDocumentation" : /**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/

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  "variableType" : "ScheduledInstanceRecurrence",
  "documentation" : "<p>The schedule recurrence.</p>",
  "simpleType" : "ScheduledInstanceRecurrence",
  "variableSetterType" : "ScheduledInstanceRecurrence"
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"xmlNameSpaceUri" : null
},
"ScheduledInstanceId" : {
  "c2jName" : "ScheduledInstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Scheduled Instance ID.</p>",
  "isOptional" : false,
  "isRequired" : false,
  "isTypeOf" : null,
  "isVirtual" : false,
  "name" : "ScheduledInstanceId",
  "partName" : "ScheduledInstanceId",
  "setterDocumentation" : "*/<p>The Scheduled Instance ID.</p>*/

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null

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@returns Returns a reference to this object so that method calls can be chained together.

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@returns Returns a reference to this object so that method calls can be chained together.
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"statusCode": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "SlotDurationInHours",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The start date for the
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    "unmarshallLocationName" : "termStartDate",
    "uri" : false
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  "map" : false,
  "mapModel" : null,
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@param termStartDate The start date for the Scheduled Instance.*/",
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  "setterModel" : {
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    "variableType" : "java.util.Date",
    "documentation" : "",
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    "variableSetterType" : "java.util.Date"
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  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The start date for the Scheduled Instance.</p>
@vararg termStartDate
The start date for the Scheduled Instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "simpleType" : "Date"
"variableSetterType" : "java.util.Date",
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  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
  @param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
  @return The total number of hours for a single instance for the entire term.*/",
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    "documentation" : null
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    "uri" : false
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  @param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.
  @return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type. You can specify one of the C3, C4, M4, or R3 instance types.</p>
  @param instanceType The instance type. You can specify one of the C3, C4, M4, or R3 instance types.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Platform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n  The platform (<code>Linux/UNIX</code> or <code>Windows</code>).\n  @return Returns a reference to this object so that method calls can be chained together.*/",
"getPlatform" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : true,
  "header" : false,
  "headerUrlKeyword" : null,
  "httpMethodName" : null,
  "httpModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "httpResponseMessage" : null,
  "httpTarget" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The platform. You can specify one of the <code>Linux/UNIX</code> or <code>Windows</code> platform.
  The platform. You can specify one of the <code>Linux/UNIX</code> or <code>Windows</code> platform.
  @param platform The platform. You can specify one of the <code>Linux/UNIX</code> or <code>Windows</code> platform.
  @return Returns a reference to this object so that method calls can be chained together.*/",
"withPlatform" : {
  "returnType" : "String",
  "documentation" : null
},
"withPlatformDocumentation" : "/**\n * The platform. You can specify one of the <code>Linux/UNIX</code> or <code>Windows</code> platform.\n * \n * @param platform The platform. You can specify one of the <code>Linux/UNIX</code> or <code>Windows</code> platform.\n * @return Returns a reference to this object so that method calls can be chained together.*/
};
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Platform",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "platform",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Platform",
"setterDocumentation" : "/**\pnThe platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>
@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"setterMethodName" : "setPlatform",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\pnThe platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>
@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "NetworkPlatform",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>"}
"enumType" : null,
"fluentSetterDocumentation": "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).  
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNetworkPlatform",
"getterDocumentation": "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@return The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).*/",
"getterMethodName": "getNetworkPlatform",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "NetworkPlatform",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "networkPlatform",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NetworkPlatform",
"setterDocumentation": "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).  
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setNetworkPlatform",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "networkPlatform",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>
@param networkPlatform The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).  
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName": "varNetworkPlatform"}
"setterMethodName": "setAvailabilityZone",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "availabilityZone",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The Availability Zone.</p>\n@param availabilityZone The Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "availabilityZone",
  "variableType": "String",
  "documentation": "<p>The Availability Zone.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  "c2jName": "PurchaseToken",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The purchase token. This token expires in two hours.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The purchase token. This token expires in two hours.</p>\n@param purchaseToken The purchase token. This token expires in two hours.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withPurchaseToken",
  "getterDocumentation": "/**<p>The purchase token. This token expires in two hours.</p>\n@return The purchase token. This token expires in two hours.*/",
  "getterMethodName": "getPurchaseToken",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "PurchaseToken"}
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "purchaseToken",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PurchaseToken",
"setterDocumentation" : "/**<p>The purchase token. This token expires in two hours.</p>
@param purchaseToken The purchase token. This token expires in two hours.*/",
"setterMethodName" : "setPurchaseToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "purchaseToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The purchase token. This token expires in two hours.</p>
@param purchaseToken The purchase token. This token expires in two hours.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "purchaseToken",
"variableType" : "String",
"documentation" : "<p>The purchase token. This token expires in two hours.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SlotDurationInHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of hours in the schedule.</p>",
"enumType" : "null",
"fluentSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSlotDurationInHours",
"getterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.*/",
"getterMethodName" : "getSlotDurationInHours";}
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SlotDurationInHours",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "slotDurationInHours",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SlotDurationInHours",
"setterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.*/",
"setterMethodName" : "setSlotDurationInHours",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "slotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "slotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "<p>The number of hours in the schedule.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/"}
"xmlNameSpaceUri" : null

},

"c2jName" : "Recurrence",
"c2jShape" : "ScheduledInstanceRecurrence",
"deprecated" : false,
"documentation" : "<p>The schedule recurrence.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@returns {this} Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRecurrence",
"getterDocumentation" : "/**<p>The schedule recurrence.</p>
@returns {ScheduledInstanceRecurrence} The schedule recurrence.*/",
"getterMethodName" : "getRecurrence",
"getterModel" : {
"returnType" : "ScheduledInstanceRecurrence",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Recurrence",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "recurrence",
"uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : "/**<p>The schedule recurrence.</p>
@returns {this} Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRecurrence",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstanceRecurrence",
"variableName" : "recurrence",
"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "",
"simpleType" : "ScheduledInstanceRecurrence",
"variableSetterType" : "ScheduledInstanceRecurrence"
},


"simple" : false,
"varargSetterDocumentation" : "/**<p>The schedule recurrence.\n@returns\nReturns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "ScheduledInstanceRecurrence",
"variableName" : "recurrence",
"variableType" : "ScheduledInstanceRecurrence",
"documentation" : "<p>The schedule recurrence.\n</p>",
"simpleType" : "ScheduledInstanceRecurrence",
"variableSetterType" : "ScheduledInstanceRecurrence"
}
,"xmlNameSpaceUri" : null
],
"c2jName" : "FirstSlotStartTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The time period for the first schedule to start.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time period for the first schedule to start.\n@return\nReturns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withFirstSlotStartTime",
"getterDocumentation" : "/**<p>The time period for the first schedule to start.\n@return\nThe time period for the first schedule to start.*/",
"getterMethodName" : "getFirstSlotStartTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "FirstSlotStartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "firstSlotStartTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FirstSlotStartTime",
"setterDocumentation" :
/**\p>The time period for the first schedule to start.</p>\n@param firstSlotStartTime The time period for the first schedule to start.*/
"setterMethodName" : "setFirstSlotStartTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "firstSlotStartTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" :
/**\p>The time period for the first schedule to start.</p>\n@param
firstSlotStartTime The time period for the first schedule to start.\n@return Returns a reference to this object so that method calls can be chained together.*/
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "firstSlotStartTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time period for the first schedule to start.</p>

"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "HourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" :
/**\p>The hourly price for a single instance.</p>

"enumType" : null,
"fluentSetterDocumentation" :
/**\p>The hourly price for a single instance.</p>\n@param hourlyPrice The hourly price for a single instance.\n@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withHourlyPrice",
"getterDocumentation" :
/**\p>The hourly price for a single instance.</p>\n@param
hourlyPrice The hourly price for a single instance.\n@return The hourly price for a single instance.*/
"getterMethodName" : "getHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "HourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "hourlyPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "HourlyPrice",
"setterDocumentation" : "/**<p>The hourly price for a single instance.</p>
@param hourlyPrice The hourly price for a single instance.*/",
"setterMethodName" : "setHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The hourly price for a single instance.</p>
@param hourlyPrice The hourly price for a single instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "hourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>The hourly price for a single instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "TotalScheduledInstanceHours",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.</p>
@param totalScheduledInstanceHours The total number of hours for a single instance for the entire term.*/"}
term.<p>@return Returns a reference to this object so that method calls can be chained together.*/

/**
 * The total number of hours for a single instance for the entire term.
 */

public Integer getTotalScheduledInstanceHours()
{
    return totalScheduledInstanceHours;
}

public void setTotalScheduledInstanceHours(Integer totalScheduledInstanceHours)
{
    this.totalScheduledInstanceHours = totalScheduledInstanceHours;
}

public String getMarnchedLocationName()
{
    return null;
}

public String getUnmarshalledLocationName()
{
    return null;
}

public Http getHttp()
{
    return null;
}

public String getIdempotencyToken()
{
    return null;
}

public List<String> getList()
{
    return null;
}

public Map<String, String> getMap()
{
    return null;
}

public String getName()
{
    return null;
}

public String getVarargSetterDocumentation()
{
    return null;
}

public Object getVariable()
{
    return null;
}

public String getVariableDeclarationType()
{
    return null;
}

public String getVariableName()
{
    return null;
}

public String getVariableType()
{
    return null;
}

public String getVariableSetterType()
{
    return null;
}

public String getGetterDocumentation()
{
    return null;
}

public String getGetterMethodName()
{
    return null;
}

public String getSetterDocumentation()
{
    return null;
}

public String getSetterMethodName()
{
    return null;
}

public String getFluentSetterMethodName()
{
    return null;
}

public String getGetterModel()
{
    return null;
}

public String getSetterModel()
{
    return null;
}

public void setGetterModel(String getterModel)
{
    this.getterModel = getterModel;
}

public void setSetterModel(String setterModel)
{
    this.setterModel = setterModel;
}

public void setFluentSetterMethodName(String fluentSetterMethodName)
{
    this.fluentSetterMethodName = fluentSetterMethodName;
}

public void setGetterDocumentation(String getterDocumentation)
{
    this.getterDocumentation = getterDocumentation;
}

public void setSetterDocumentation(String setterDocumentation)
{
    this.setterDocumentation = setterDocumentation;
}

public void setFluentSetterMethodName(String fluentSetterMethodName)
{
    this.fluentSetterMethodName = fluentSetterMethodName;
}

public void setGetterModel(String getterModel)
{
    this.getterModel = getterModel;
}

public void setSetterModel(String setterModel)
{
    this.setterModel = setterModel;
}

public void setFluentSetterMethodName(String fluentSetterMethodName)
{
    this.fluentSetterMethodName = fluentSetterMethodName;
}

public void setGetterDocumentation(String getterDocumentation)
{
    this.getterDocumentation = getterDocumentation;
}

public void setSetterDocumentation(String setterDocumentation)
{
    this.setterDocumentation = setterDocumentation;
}
"variableName" : "totalScheduledInstanceHours",
"variableType" : "Integer",
"documentation" : "The total number of hours for a single instance for the entire term."",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AvailableInstanceCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of available instances."",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of available instances.</p>
@param availableInstanceCount The number of available instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailableInstanceCount",
"getterDocumentation" : "/**<p>The number of available instances.</p>
@return The number of available instances.*/",
"getterMethodName" : "getAvailableInstanceCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailableInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availableInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableInstanceCount",
"setterDocumentation" : "/**<p>The number of available instances.</p>
@param availableInstanceCount The number of available instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailableInstanceCount",
"setterModel": {  
  "variableDeclarationType": "Integer",  
  "variableName": "availableInstanceCount",  
  "variableType": "Integer",  
  "documentation": "",  
  "simpleType": "Integer",  
  "variableSetterType": "Integer"  
},  
"simple": true,  
"varargSetterDocumentation": "/**<p>The number of available instances.</p><p>@param availableInstanceCount The number of available instances.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"variable": {  
  "variableDeclarationType": "Integer",  
  "variableName": "availableInstanceCount",  
  "variableType": "Integer",  
  "documentation": "<p>The number of available instances.</p>
<p>@param availableInstanceCount The number of available instances.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
  "simpleType": "Integer",  
  "variableSetterType": "Integer"  
},  
"xmlNameSpaceUri": null}  
},  
"c2jName": "MinTermDurationInDays",  
"c2jShape": "Integer",  
"deprecated": false,  
"documentation": "<p>The minimum term. The only possible value is 365 days.</p>
<p>@param minTermDurationInDays The minimum term. The only possible value is 365 days.</p>
<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",  
"enumType": null,  
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@param
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@return Returns a reference to this object so that method calls can be chained together.</*/",
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@return Returns a reference to this object so that method calls can be chained together.*"},

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Returns a reference to this object so that method calls can be chained together.

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"simple" : true,
"varargSetterDocumentation" : "/*<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).<p>
@param platform The platform (<code>Linux/UNIX</code> or <code>Windows</code>).<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "platform",
  "variableType" : "String",
  "documentation" : "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"PurchaseToken" : {
    "c2jName" : "PurchaseToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The purchase token. This token expires in two hours."
    "enumType" : null,
    "fluentSetterDocumentation" : "The purchase token. This token expires in two hours."
    "getterDocumentation" : "The purchase token. This token expires in two hours."
    "getterMethodName" : "getPurchaseToken",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "PurchaseToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "purchaseToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "PurchaseToken",
    "setterDocumentation" : "The purchase token. This token expires in two hours."
    "setterMethodName" : "setPurchaseToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "purchaseToken",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
**purchaseToken**

The purchase token. This token expires in two hours.

```java
@Param
```

**return**

Returns a reference to this object so that method calls can be chained together.

```java
return
```

**variable**

```java


```

**xmlNameSpaceUri**

```java
null
```

**Recurrence**

```java
Recurrence
```

**deprecated**

false

**documentation**

The schedule recurrence.

```java
The schedule recurrence.
```

**enumType**

null

**fluentSetterDocumentation**

The schedule recurrence.

```java
The schedule recurrence.
```

**fluentSetterMethodName**

withRecurrence

**getterDocumentation**

The schedule recurrence.

```java
The schedule recurrence.
```

**getterMethodName**

getRecurrence

**getterModel**

```


```

**http**

```java
null
```

**idempotencyToken**

false

**list**

false

**listModel**

null

**marshallLocationName**

Recurrence

**queryString**

false

**statusCode**

false

**unmarshallLocationName**

recurrence

**uri**

false

**varargSetterDocumentation**

The purchase token. This token expires in two hours.

```java
The purchase token. This token expires in two hours.
```

**variable**

```


```

**variableDeclarationType**

String

**variableName**

purchaseToken

**variableType**

String

**documentation**

The purchase token. This token expires in two hours.

```java
Purchase token. This token expires in two hours.
```

**simpleType**

String

**variableSetterType**

String

**xmlNameSpaceUri**

null
"map" : false,
"mapModel" : null,
"name" : "Recurrence",
"setterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.*/",
"setterMethodName" : "setRecurrence",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstanceRecurrence",
  "variableName" : "recurrence",
  "variableType" : "ScheduledInstanceRecurrence",
  "documentation" : "",
  "simpleType" : "ScheduledInstanceRecurrence",
  "variableSetterType" : "ScheduledInstanceRecurrence"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The schedule recurrence.</p>
@param recurrence The schedule recurrence.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstanceRecurrence",
  "variableName" : "recurrence",
  "variableType" : "ScheduledInstanceRecurrence",
  "documentation" : "<p>The schedule recurrence.</p>",
  "simpleType" : "ScheduledInstanceRecurrence",
  "variableSetterType" : "ScheduledInstanceRecurrence"
},
"xmlNameSpaceUri" : null
},
"SlotDurationInHours" : {
  "c2jName" : "SlotDurationInHours",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of hours in the schedule.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withSlotDurationInHours",
  "getterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@return The number of hours in the schedule.*/",
  "getterMethodName" : "getSlotDurationInHours",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SlotDurationInHours",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "slotDurationInHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SlotDurationInHours",
"setterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours
The number of hours in the schedule.</param>*/",
"setterMethodName" : "setSlotDurationInHours",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "slotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of hours in the schedule.</p>
@param slotDurationInHours The number of hours in the schedule.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "slotDurationInHours",
  "variableType" : "Integer",
  "documentation" : "<p>The number of hours in the schedule.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"TotalScheduledInstanceHours" : {
  "c2jName" : "TotalScheduledInstanceHours",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.<br/>
@<param id="totalScheduledInstanceHours" type="Integer"/>
The total number of hours for a single instance for the entire term.<br/>
@return Returns a reference to this object so that method calls can be chained together. */</p>",
"fluentSetterMethodName" : "withTotalScheduledInstanceHours",
"getterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.<br/>
@return The total number of hours for a single instance for the entire term. */",
"getterMethodName" : "getTotalScheduledInstanceHours",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TotalScheduledInstanceHours",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "totalScheduledInstanceHours",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TotalScheduledInstanceHours",
"setterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.<br/>
@return Returns a reference to this object so that method calls can be chained together. */</p>",
"setterMethodName" : "setTotalScheduledInstanceHours",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "totalScheduledInstanceHours",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The total number of hours for a single instance for the entire term.<br/>
@return Returns a reference to this object so that method calls can be chained together. */</p>",

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"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "totalScheduledInstanceHours",
  "variableType" : "Integer",
  "documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstanceAvailability",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ScheduledInstanceAvailability",
  "variableName" : "scheduledInstanceAvailability",
  "variableType" : "ScheduledInstanceAvailability",
  "documentation" : null,
  "simpleType" : "ScheduledInstanceAvailability",
  "variableSetterType" : "ScheduledInstanceAvailability"
},
"wrapper" : false
},
"ScheduledInstanceRecurrence" : {
  "c2jName" : "ScheduledInstanceRecurrence",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the recurring schedule for a Scheduled Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Frequency",
    "documentation" : "The frequency of the recurring schedule for a Scheduled Instance.",
    "simpleType" : "String",
    "variableDeclarationType" : "String",
    "variableName" : "frequency",
    "variableType" : "String",
    "variableSetterType" : "String"  
  } ]
}
The frequency (\texttt{Daily}, \texttt{Weekly}, or \texttt{Monthly}).

- **getterDocumentation**:
  ```
  \texttt{getterDocumentation} : \{\textquoteleft\textquoteleft**p\textquoteright\textquoteleft\text{The frequency (\texttt{Daily}, \texttt{Weekly}, or \texttt{Monthly}).}\n  \texttt{return The frequency (\texttt{Daily}, \texttt{Weekly}, or \texttt{Monthly}).}\n  \}
  ```

- **getterMethodName**:
  ```
  \texttt{getterMethodName} : \textquoteleft\textquoteleftgetFrequency\textquoteright\textquoteleft
  ```

- **getterModel**:
  ```
  \texttt{getterModel} : \{
  \texttt{returnType} : \textquoteleft\textquoteleftString\textquoteright\textquoteleft,
  \texttt{documentation} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft
  \}
  ```

- **http**:
  ```
  \texttt{http} : \{
  \texttt{additionalMarshallingPath} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft,
  \texttt{additionalUnmarshallingPath} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft,
  \texttt{flattened} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{greedy} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{header} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{isPayload} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{isStreaming} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{location} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft,
  \texttt{marshallLocationName} : \textquoteleft\textquoteleftFrequency\textquoteright\textquoteleft,
  \texttt{queryString} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{statusCode} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft,
  \texttt{unmarshallLocationName} : \textquoteleft\textquoteleftfrequency\textquoteright\textquoteleft,
  \texttt{uri} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft
  \}
  ```

- **idempotencyToken**:
  ```
  \texttt{idempotencyToken} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft
  ```

- **list**:
  ```
  \texttt{list} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft
  ```

- **listModel**:
  ```
  \texttt{listModel} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft
  ```

- **map**:
  ```
  \texttt{map} : \textquoteleft\textquoteleftfalse\textquoteright\textquoteleft
  ```

- **mapModel**:
  ```
  \texttt{mapModel} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft
  ```

- **name**:
  ```
  \texttt{name} : \textquoteleft\textquoteleftFrequency\textquoteright\textquoteleft
  ```

- **setterDocumentation**:
  ```
  \texttt{setterDocumentation} : \{\textquoteleft\textquoteleft**p\textquoteright\textquoteleft\text{The frequency (\texttt{Daily}, \texttt{Weekly}, or \texttt{Monthly}).}\n  \texttt{return Returns a reference to this object so that method calls can be chained together.}\n  \textquoteright\textquoteleft
  ```

- **setterMethodName**:
  ```
  \texttt{setterMethodName} : \textquoteleft\textquoteleftwithFrequency\textquoteright\textquoteleft
  ```

- **setterModel**:
  ```
  \texttt{setterModel} : \{
  \texttt{variableDeclarationType} : \textquoteleft\textquoteleftString\textquoteright\textquoteleft,
  \texttt{variableName} : \textquoteleft\textquoteleftfrequency\textquoteright\textquoteleft,
  \texttt{variableType} : \textquoteleft\textquoteleftString\textquoteright\textquoteleft,
  \texttt{documentation} : \textquoteleft\textquoteleftnull\textquoteright\textquoteleft
  ```
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).  
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "frequency",
"variableType" : "String",
"documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**
<p>The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
@return The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
"getModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Interval",
"xmlNameSpaceUri" : null
},
"c2jName" : "Interval",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).  
@return Returns a reference to this object so that method calls can be chained together. */",
"getterMethodName" : "getInterval",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Interval",
The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.

@return Returns a reference to this object so that method calls can be chained together.

"setterDocumentation": "/**
 * The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
 */

"setterMethodName": "setInterval",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "interval",
  "variableType": "Integer",
  "documentation": "/",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
 */

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "interval",
  "variableType": "Integer",
  "documentation": "/",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"c2jName": "OccurrenceDaySet",
"c2jShape": "OccurrenceDaySet",
"deprecated": false,
"documentation": "/The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).

"enumType": null,
"fluentSetterDocumentation": "/**
 * The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
 */

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Interval",
"setterDocumentation": "/**
 * The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
 */

"setterMethodName": "setInterval",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "interval",
  "variableType": "Integer",
  "documentation": "/",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
 */

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "interval",
  "variableType": "Integer",
  "documentation": "/",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).\n\nreturn Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withOccurrenceDaySet",
"getterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).</p>
\n\n\nreturn The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).*/",
"getterMethodName" : "getOccurrenceDaySet",
"getterModel" : {
"returnType" : "java.util.List<Integer>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceDaySet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "occurrenceDaySet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : ":item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "member",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/**",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "member",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>
",
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDaySet",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
\n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
*/",
"setterMethodName" : "setOccurrenceDaySet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDaySet",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>
",
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
\nNOTE: This method appends the values to the existing list (if any). Use {@link #setOccurrenceDaySet(java.util.Collection)} or {@link #withOccurrenceDaySet(java.util.Collection)} if you want to override the existing values.
\n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
    "variableName" : "occurrenceDaySet",
    "variableType" : "java.util.List<Integer>",
    "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
\nThe days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
    "simpleType" : "List<Integer>",
    "variableSetterType" : "java.util.Collection<Integer>
",
    "xmlNameSpaceUri" : null
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "OccurrenceRelativeToEnd",
"c2jShape" : "Optional",
"deprecated" : false,
"documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>"
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. */
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withOccurrenceRelativeToEnd",
"getterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. */
@return Indicates whether the occurrence is relative to the end of the specified week or month. */",
"getterMethodName": "getOccurrenceRelativeToEnd",
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "OccurrenceRelativeToEnd",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "occurrenceRelativeToEnd",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OccurrenceRelativeToEnd",
"setterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. */
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. */",
"setterMethodName": "setOccurrenceRelativeToEnd",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "occurrenceRelativeToEnd",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified
week or month.

@method

`occurrenceRelativeToEnd` Indicates whether the occurrence is relative to the end of the specified week or month.

@return

Returns a reference to this object so that method calls can be chained together.

```java

"variable": {

  "variableDeclarationType": "Boolean",
  "variableName": "occurrenceRelativeToEnd",
  "variableType": "Boolean",
  "documentation": "Indicates whether the occurrence is relative to the end of the specified week or month."

},

"complexType": "Boolean",

"variableSetterType": "Boolean"

},

"xmlNameSpaceUri": null

},

"c2jName": "OccurrenceUnit",

"c2jShape": "String",

"deprecated": false,

"documentation": "The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>)."

```

```
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OccurrenceUnit",
"setterDocumentation" : "/**\n<p>The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n\n@param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setOccurrenceUnit",
"setterModel" : {
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  "variableName" : "occurrenceUnit",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n\n@param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "occurrenceUnit",
  "variableType" : "String",
  "documentation" : "The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Frequency" : {
    "c2jName" : "Frequency",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n\n@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withFrequency",
    "getterDocumentation" : "/**\n<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).\n\n@returns Returns a reference to this object so that method calls can be chained together.*/"
  }
}
<code>Monthly</code>.

```java
public int getFrequency()
```

```java
public void setFrequency(String frequency)
```

```java
private String frequency;
```

*/

```java
public String getFrequency()
```

```java
public void setFrequency(String frequency)
```

```java
private String frequency;
```

*/

```java
public String getFrequency()
```

```java
public void setFrequency(String frequency)
```

```java
private String frequency;
```

*/

```java
public String getFrequency()
```

```java
public void setFrequency(String frequency)
```

```java
private String frequency;
```

*/

```java
public String getFrequency()
```

```java
public void setFrequency(String frequency)
```

```java
private String frequency;
```

*/
"variableType" : "String",
"documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or
<code>Monthly</code>).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Interval" : {
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"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of
<code>frequency</code>. For example, every 2 weeks or every 2 months.</p>
@return The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.*/",
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"getterModel" : {
 "returnType" : "Integer",
"documentation" : null
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "interval",
 "uri" : false
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"map" : false,
"mapModel" : null,
"name": "Interval",
"setterDocumentation": "/**
 * The interval quantity. The interval unit depends on the value of
 * <code>frequency</code>. For example, every 2 weeks or every 2 months.
 */
 @param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.*
",
"setterMethodName": "setInterval",
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  "variableName": "interval",
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  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**
 * The interval quantity. The interval unit depends on the value of
 * <code>frequency</code>. For example, every 2 weeks or every 2 months.
 */
 @param interval The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
 @return Returns a reference to this object so that method calls can be chained together.*
",
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  "variableType": "Integer",
  "documentation": "The interval quantity. The interval unit depends on the value of <code>frequency</code>. For example, every 2 weeks or every 2 months.
",
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  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
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  "c2jName": "OccurrenceDaySet",
  "c2jShape": "OccurrenceDaySet",
  "deprecated": false,
  "documentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
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  "c2jName": "OccurrenceDaySet",
  "c2jShape": "OccurrenceDaySet",
  "deprecated": false,
  "documentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
  "enumType": null,
  "fluentSetterDocumentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
  "fluentSetterMethodName": "withOccurrenceDaySet",
  "getterDocumentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).
",
  "getterMethodName": "getOccurrenceDaySet",
  "setterMethodName": "setOccurrenceDaySet",
  "setterModel": {
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          OccurrenceDaySet>>"
  },
  "xmlNameSpaceUri": null
}
"getterModel" : {
  "returnType" : "java.util.List<Integer>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "occurrenceDaySet",
  "uri" : false
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
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    "c2jName" : "member",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "
    @param member
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/**\n    @param member 
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
    },
  },
}
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
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"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>
",
"map" : false,
"mapModel": null,
"name": "OccurrenceDaySet",
"setterDocumentation": "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). </p>*/
@n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).*/",
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"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName": "occurrenceDaySet",
"variableType": "java.util.List<Integer>",
"documentation": "",
"simpleType": "List<Integer>",
"variableSetterType": "java.util.Collection<Integer>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).</p>*/
@n@param occurrenceDaySet The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).@n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName": "occurrenceDaySet",
"variableType": "java.util.List<Integer>",
"documentation": "<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).</p>",
"simpleType": "List<Integer>",
"variableSetterType": "java.util.Collection<Integer>"
},
"xmlNameSpaceUri": null
},
"OccurrenceRelativeToEnd": {
"c2jName": "OccurrenceRelativeToEnd",
"deprecated": false,
"documentation": "<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>",
"enumType": "null",
"fluentSetterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>*/
@n@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. @n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withOccurrenceRelativeToEnd",
"getterDocumentation": "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>*/
@n@return Indicates whether the occurrence is relative to the end of the specified week or month.*/",  
"variableDeclarationType": ""com.amazonaws.internal.SdkInternalList<Boolean>",
"variableName": "occurrenceRelativeToEnd",
"variableType": "java.util.List<Boolean>",
"documentation": "<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>"}
"getterMethodName" : "getOccurrenceRelativeToEnd",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "OccurrenceRelativeToEnd",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "occurrenceRelativeToEnd",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OccurrenceRelativeToEnd",
"setterDocumentation" : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month.</p>*/
@n@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.*/",
"setterMethodName" : "setOccurrenceRelativeToEnd",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "occurrenceRelativeToEnd",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "",
    "variableSetterType" : "Boolean",
    "variable" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "occurrenceRelativeToEnd",
        "variableType" : "Boolean",
        "documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month. */@n@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month.*@return Returns a reference to this object so that method calls can be chained together.*/",
        "variable" : {
            "variableDeclarationType" : "Boolean",
            "variableName" : "occurrenceRelativeToEnd",
            "variableType" : "Boolean",
            "documentation" : "<p>Indicates whether the occurrence is relative to the end of the specified week or month. */@n@return Returns a reference to this object so that method calls can be chained together.*/"
        }
    }
}
The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). Returns a reference to this object so that method calls can be chained together.

**getterDocumentation**

```java
/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @return The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/

```

**setterDocumentation**

```java
/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @return Returns a reference to this object so that method calls can be chained together.*

```

**http**

```java
{"additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
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 "greedy": false,
 "header": false,
 "isPayload": false,
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 "marshallLocationName": "OccurrenceUnit",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "occurrenceUnit",
 "uri": false
 },
 "idempotencyToken": false,
 "list": false,
 "listModel": null,
 "map": false,
 "mapModel": null,
 "name": "OccurrenceUnit",
 "setterDocumentation": "/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>.

```
or <code>DayOfMonth</code>).<p>
@<span class="method">param occurrenceUnit</span> The unit for <code>occurrenceDaySet</code>.

```java

/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @return Returns a reference to this object so that method calls can be chained together.*/
```

```java

/**
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 */
```

```java

/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/
```

```java

/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/
```

```java

/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/
```

```java

/**
 * The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).
 * @param occurrenceUnit The unit for <code>occurrenceDaySet</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>).*/
```
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the recurring schedule for a Scheduled Instance.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
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     "c2jShape" : "String",
     "deprecated" : false,
     "documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>",
     "enumType" : null,
     "fluentSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
     @param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).<br/>
     @return Returns a reference to this object so that method calls can be chained together.*/",
     "fluentSetterMethodName" : "withFrequency",
     "getterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>
     @return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).<br/>
     @return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).*/",
     "getterMethodName" : "getFrequency",
     "getterModel" : {
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Frequency",
        "marshallingLocationName" : "Frequency",
        "unmarshallingLocationName" : "Frequency"
    }
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Frequency",
"setterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). </p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). */",
"setterMethodName" : "setFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). </p>
@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "frequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"c2jName" : "Interval",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>
@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withInterval",
"getterDocumentation" : "/**<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>

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For example, every 2 weeks or every 2 months.

```java
/**
 * The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
 */

public Integer getInterval();

/**
 * The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
 *
 * @return The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.
 */

public void setInterval(Integer interval);
```
"variableName" : "interval",
"variableType" : "Integer",
"documentation" : "<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
"c2jName" : "OccurrenceDays",
"c2jShape" : "OccurrenceDayRequestSet",
"deprecated" : false,
"documentation" : "<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>",
"enumType" : null,
"fluentSetterDocumentation" : /*<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day. */return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOccurrenceDays",
"getterDocumentation" : /*<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day. */return The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day. */",
"getterMethodName" : "getOccurrenceDays",
"getterModel" : {
"returnType" : "java.util.List<Integer>",
"documentation" : null
},
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceDay",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurrenceDay"}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "OccurenceDay",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "OccurenceDay",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**
     * @param member *
     */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Integer",
      "variableName" : "member".
    }
  }
}
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "member",
 "variableType" : "Integer",
 "documentation" : "",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "OccurenceDay",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>",
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDays",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p><p>@param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day. */</p>*/
"setterMethodName" : "setOccurrenceDays",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"variableName" : "occurrenceDays",
"variableType" : "java.util.List<Integer>",
"documentation" : "",
"simpleType" : "List<Integer>",
"variableSetterType" : "java.util.Collection<Integer>"}
}
"simple": false,

"varargSetterDocumentation": "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p><p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setOccurrenceDays(java.util.Collection)] or [@link #withOccurrenceDays(java.util.Collection)] if you want to override the existing values.</p>
@param occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Integer>",
    "variableName": "occurrenceDays",
    "variableType": "java.util.List<Integer>",
    "documentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.
    "
    "simpleType": "List<Integer>",
    "variableSetterType": "java.util.Collection<Integer>",
},

"xmlNameSpaceUri": null
};

"c2jName": "OccurrenceRelativeToEnd",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule."

"enumType": null,

"fluentSetterDocumentation": "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule."

"fluentSetterMethodName": "withOccurrenceRelativeToEnd",

"getterDocumentation": "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule."

"getterMethodName": "getOccurrenceRelativeToEnd",

"getterModel": {
    "returnType": "Boolean",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OccurrenceRelativeToEnd",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurrenceRelativeToEnd",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OccurrenceRelativeToEnd",
"setterDocumentation" : "/**
 * Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.
 */
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.

"setterMethodName" : "setOccurrenceRelativeToEnd",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "occurrenceRelativeToEnd",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.
 */
@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.

@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "occurrenceRelativeToEnd",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.

You can't specify this value with a daily schedule.

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "OccurrenceUnit",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify
<code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.

```java
enumType" : null,
"fluentSetterDocumentation" : "/**<p>The unit for <code>OccurrenceDays</code></p>
(<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.

@<param occurrenceUnit The unit for <code>OccurrenceDays</code> (or</p>
ounceUnit (or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify
</p>
return The unit for <code>OccurrenceDays</code> (or <code>DayOfWeek</code> or
</p>
return The unit for <code>OccurrenceDays</code> (or <code>DayOfWeek</code> or
</p>
return The unit for <code>OccurrenceDays</code> (or <code>DayOfWeek</code> or
<code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify
<code>OccurrenceDays</code> (or <code>DayOfWeek</code> or
<code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify
<code>OccurrenceDays</code> (or <code>DayOfWeek</code> or
<code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify
```
"setterMethodName": "setOccurrenceUnit",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "occurrenceUnit",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The unit for <code>OccurrenceDays</code> (</p><code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p><@param occurrenceUnit The unit for <code>OccurrenceDays</code> (</code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "occurrenceUnit",
  "variableType": "String",
  "documentation": "<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Frequency": {
    "c2jName": "Frequency",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>",
    "fluentSetterDocumentation": "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>@param frequency The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withFrequency",
    "getterDocumentation": "/**<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).</p>@return The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>).*/",
    "getterMethodName": "getFrequency",
    "getterModel": {
      "returnType": "String"
    }
  }
}
"xmlNameSpaceUri" : null,

"Interval" : {
  "c2jName" : "Interval",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInterval",
  "getterDocumentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n\n@return The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.*",
  "getterMethodName" : "getInterval",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Interval",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Interval",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Interval",
  "setterDocumentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "withInterval",
  "setterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  }
},

"idempotencyToken" : false,
"setterMethodName" : "setInterval",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "interval",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*\<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>@param interval The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "Integer",
    "documentation" : "The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"OccurrenceDays" : {
    "c2jName" : "OccurrenceDays",
    "c2jShape" : "OccurrenceDayRequestSet",
    "deprecated" : false,
    "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.",
    "enumType" : null,
    "fluentSetterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.",
    "getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.",
    "getterMethodName" : "getOccurrenceDays",
    "fluentSetterMethodName" : "withOccurrenceDays",
    "getterDocumentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.",
    "getterMethodName" : "getOccurrenceDays"}
"getterModel" : {
  "returnType" : "java.util.List<Integer>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OccurrenceDay",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OccurrenceDay",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "**\n    @param member\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation" : "/**\n    @param member\n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n    @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
  }
}
"marshallLocationName" : "OccurrenceDay",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OccurrenceDay",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "member",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "OccurrenceDay",
"memberType" : "Integer",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "Integer",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Integer>",
"templateType" : "java.util.List<Integer>"
],
"map" : false,
"mapModel" : null,
"name" : "OccurrenceDays",
"setterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>\n@tparam occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.*/",
"setterMethodName" : "setOccurrenceDays",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDays",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.</p>\n@tparam occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Integer>",
  "variableName" : "occurrenceDays",
  "variableType" : "java.util.List<Integer>",
  "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n
\n@tparam occurrenceDays The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "List<Integer>",
  "variableSetterType" : "java.util.Collection<Integer>"
},
"xmlNameSpaceUri" : null,
"OccurrenceRelativeToEnd" : {
  "c2jName" : "OccurrenceRelativeToEnd",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day.\n
Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.\n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluuentSetterDocumentation" : "/**Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.*/\n@n@param occurrenceRelativeToEnd
Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.

@returns Returns a reference to this object so that method calls can be chained together.

*getterSetterMethodName* : "withOccurrenceRelativeToEnd",

*getterDocumentation* : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>

@return Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.*/",

*getterMethodName* : "getOccurrenceRelativeToEnd",

*getterModel* : {
  "returnType" : "Boolean",
  "documentation" : null
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*http* : {
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OccurrenceRelativeToEnd",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OccurrenceRelativeToEnd",
  "uri" : false
},

*idempotencyToken* : false,

*list* : false,

*listModel* : null,

*map* : false,

*mapModel* : null,

*name* : "OccurrenceRelativeToEnd",

*setterDocumentation* : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>

@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.*/",

*setterMethodName* : "setOccurrenceRelativeToEnd",

*setterModel* : {
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  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

*simple* : true,

*varargSetterDocumentation* : "/**<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>

@param occurrenceRelativeToEnd Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.*/",
Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.\n@returns Returns a reference to this object so that method calls can be chained together.*/
    "variable" : {
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        "variableType" : "Boolean",
        "documentation" : "\n<p>Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule.</p>"
    },
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"OccurrenceUnit" : {
    "c2jName" : "OccurrenceUnit",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "\n<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/
    "fluentSetterMethodName" : "withOccurrenceUnit",
    "getterDocumentation" : "\n<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.<\p>\n@returns The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.<\p>\n@returns Returns a reference to this object so that method calls can be chained together.*/
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        "isPayload" : false,
        "isStreaming" : false,
"location": null,
"marshallLocationName": "OccurrenceUnit",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "OccurrenceUnit",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OccurrenceUnit",
"setterDocumentation": "/**<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.</p>
@param occurrenceUnit The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType": "String"
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"xmlNameSpaceUri": null}
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  "documentation": null,
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  "variableSetterType": "ScheduledInstanceRecurrenceRequest"
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "documentation": "<p>Describes a block device mapping for a Scheduled Instance.</p>",
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  "hasPayloadMember": false,
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  "hasStreamingMember": false,
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    "documentation": "<p>The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).&lt;/p&gt;",
    "enumType": null,
    "fluentSetterDocumentation": "/**&lt;p&gt;The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).&lt;/p&gt;&lt;code&gt;\n@<pre>
    @param deviceName The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).
    @return Returns a reference to this object so that method calls can be chained together.*/
    @<pre>
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    "shapeName": "scheduledInstanceRecurrenceRequest",
    "simpleType": "scheduledInstanceRecurrenceRequest"}}}
"getterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@return The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).*/",
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "DeviceName",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).*/",
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "NoDevice",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withNoDevice",
"getterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.\n@return Suppresses the specified device included in the block device mapping of the AMI.\</p>",
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"getterModel": {
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"documentation": null
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"http": {
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"greedy": false,
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"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "NoDevice",
"setterDocumentation": "/**<p>Suppresses the specified device included in the block device mapping of the AMI.\</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the

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setterMethodName" : "setNoDevice",
"setterModel" : {
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  "variableName" : "noDevice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the AMI.</p>\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
  "simpleType" : "String",
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"xmlNameSpaceUri" : null
},
"c2jName" : "VirtualName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.\n\nConstraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"c2jName" : "VirtualName",
"c2jShape" : "String",
"deprecated" : false,
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\n\nConstraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device
mapping for the AMI.

@returns Returns a reference to this object so that method calls can be chained together.

@see \ref \c withVirtualName\n
\@fluentSetterMethodName\" : \"withVirtualName\",

\@getterDocumentation\" : \"/**\p>\nThe virtual device name (\c ephemeral\n). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for \c ephemeral0\n and \c ephemeral1\n. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. </p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.\p>\nreturns The virtual device name (\c ephemeral\n). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for \c ephemeral0\n and \c ephemeral1\n. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. </p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.\p>\n
\@param virtualName The virtual device name (\c ephemeral\n). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for \c ephemeral0\n and \c ephemeral1\n. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume. </p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.\p>
<code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>

```
setterMethodName" : "setVirtualName",
"setterModel" : {
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  "variableName" : "virtualName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n\n@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "documentation" : "<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> <p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n\n</p>\n\n"<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p><p>\n@\n@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.<p>\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEbs",
"getterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p><p>\n@return Parameters used to set up EBS volumes automatically when the instance is launched.*/",
"getterMethodName" : "getEbs",
"getterModel" : {
  "returnType" : "ScheduledInstancesEbs",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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"setterMethodName" : "setEbs",
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"membersAsMap" : {
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        "c2jShape" : "String",
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        "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n\n@internal\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withDeviceName",
        "getterDocumentation" : "/**<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n\n@internal\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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            "additionalUnmarshallingPath" : null,
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            "statusCode" : false,
            "unmarshallLocationName" : "DeviceName",
            "uri" : false
        }
    },
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        "variableName" : "ebs",
        "variableType" : "ScheduledInstancesEbs",
        "documentation" : "<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>",
        "simpleType" : "ScheduledInstancesEbs",
        "variableSetterType" : "ScheduledInstancesEbs"
    }
},
"xmlNameSpaceUri" : null
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@param deviceName The device name exposed to the 
instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).\n@returns Returns a reference to this object 
so that method calls can be chained together. */\n */",
"setterMethodName" : "setDeviceName",
"setterModel" : {
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  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The device name exposed to the instance (for example, 
<code>/dev/sdh</code> or <code>xvdh</code>).\n@returns Returns a reference to this object 
so that method calls can be chained together. */\n */",
"variable" : {
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  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or
<code>xvdh</code>).</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ebs" : {
  "c2jName" : "Ebs",
  "c2jShape" : "ScheduledInstancesEbs",
  "deprecated" : false,
  "documentation" : "<p>Parameters used to set up EBS volumes automatically when the instance is
launched.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the 
instance is launched.</p>
  \n @param ebs \n @returns Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withEbs",
  "getterDocumentation" : "/**<p>Parameters used to set up EBS volumes automatically when the instance is
launched.</p>
  \n @returns Parameters used to set up EBS volumes automatically when the instance is launched. */",
  "getterMethodName" : "getEbs",
...
"getterModel": {
    "returnType": "ScheduledInstancesEbs",
    "documentation": null
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Ebs",
    "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ebs",
"setterDocumentation": "/**\<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>\n@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.*/",
"setterMethodName": "setEbs",
"setterModel": {
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    "variableName": "ebs",
    "variableType": "ScheduledInstancesEbs",
    "documentation": "",
    "simpleType": "ScheduledInstancesEbs",
    "variableSetterType": "ScheduledInstancesEbs"
},
"simple": false,
"varargSetterDocumentation": "/**\<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>\n@param ebs Parameters used to set up EBS volumes automatically when the instance is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "ScheduledInstancesEbs",
    "variableName": "ebs",
    "variableType": "ScheduledInstancesEbs",
    "documentation": "<p>Parameters used to set up EBS volumes automatically when the instance is launched.</p>",
    "simpleType": "ScheduledInstancesEbs"
"variableSetterType" : "ScheduledInstancesEbs",
},
"xmlNameSpaceUri" : null
},
"NoDevice" : {
 "c2jName" : "NoDevice",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>Suppresses the specified device included in the block device mapping of the
AMI.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping
of the AMI.</p>
@emph{param} noDevice Suppresses the specified device included in the block device mapping of the
AMI.</emph>
@return Suppresses the specified device included in the block device mapping of the AMI.
*/",
 "fluentSetterMethodName" : "withNoDevice",
 "getterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the
AMI.</p>
@return Suppresses the specified device included in the block device mapping of the AMI.*/",
 "getterMethodName" : "getNoDevice",
 "getterModel" : {
  "returnType" : "String",
  "documentation" : null
 },
 "http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NoDevice",
  "uri" : false
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 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "NoDevice",
 "setterDocumentation" : "/**<p>Suppresses the specified device included in the block device mapping of the
AMI.</p>
@emph{param} noDevice Suppresses the specified device included in the block device mapping of the
AMI.
*/",
 "setterMethodName" : "setNoDevice",
 "setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "noDevice",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "\n**\nSuppresses the specified device included in the block device mapping of the AMI.\n\n@param noDevice Suppresses the specified device included in the block device mapping of the AMI.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "noDevice",
"variableType" : "String",
"documentation" : "Suppresses the specified device included in the block device mapping of the AMI.\n",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VirtualName" : {
"c2jName" : "VirtualName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.\n\n@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVirtualName",
"getterDocumentation" : "/**\n<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
\</p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n@return The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>\n@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>*/",
"getMethodName" : "getVirtualName",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VirtualName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VirtualName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VirtualName",
"setterDocumentation" : "/**\n<p>The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>
\</p>Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p>\n@param virtualName The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p>*/"
Constraints: For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.

```xml
<param virtualName>
The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

@return Returns a reference to this object so that method calls can be chained together.
```
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "ScheduledInstancesBlockDeviceMapping",
"variableName": "scheduledInstancesBlockDeviceMapping",
"variableType": "ScheduledInstancesBlockDeviceMapping",
"documentation": null,
"simpleType": "ScheduledInstancesBlockDeviceMapping",
"variableSetterType": "ScheduledInstancesBlockDeviceMapping"
},
"wrapper": false
},
"ScheduledInstancesEbs": {
"c2jName": "ScheduledInstancesEbs",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes an EBS volume for a Scheduled Instance.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "SnapshotId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the snapshot.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the snapshot.</p>\n@param snapshotId The ID of the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSnapshotId",
"getterDocumentation": "/**<p>The ID of the snapshot.</p>\n@return The ID of the snapshot.\*/",
"getterMethodName": "getSnapshotId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot:
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "<p>The ID of the snapshot.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>
<p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
<p>Default: If you're creating the
volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n
@param volumeSize
The size of the volume, in GiB.\n
@default If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.\n
@return Returns a reference to this object so that method calls can be chained together.*"},
    "fluentSetterMethodName" : "withVolumeSize",
    "getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@default If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>

@return The size of the volume, in GiB.</p>
@default If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.*/",
    "getterMethodName" : "getVolumeSize",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "VolumeSize",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "VolumeSize",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VolumeSize",
    "setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@default If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>

@returns a reference to this object so that method calls can be chained together.*"},
    "setterMethodName" : "setVolumeSize",
    "setterModel" : {
      "variableDeclarationType" : "Integer",
      "variableName" : "volumeSize",
      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
    },
"simple": true,

"varargSetterDocumentation": "/**
   * The size of the volume, in GiB.
   * Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
   */
   
   @param volumeSize
   * The size of the volume, in GiB.
   * Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
   *
   * Returns a reference to this object so that method calls can be chained together.
   */
   
   "variable": {
      "variableDeclarationType": "Integer",
      "variableName": "volumeSize",
      "variableType": "Integer",
      "documentation": "/p>The size of the volume, in GiB.
   * Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>
   *
   * Returns a reference to this object so that method calls can be chained together.
   */
   
   "variableSetterType": "Integer"
   },

   "xmlNameSpaceUri": null
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"c2jName": "DeleteOnTermination",

"c2jShape": "Boolean",

"deprecated": false,

"documentation": "Indicates whether the volume is deleted on instance termination.

<param name="deleteOnTermination">
   Indicates whether the volume is deleted on instance termination.
   * Returns a reference to this object so that method calls can be chained together.
   */
   
   "fluentSetterDocumentation": "/**
   * Indicates whether the volume is deleted on instance termination.
   */
   
   "getterMethodName": "getDeleteOnTermination",

   "getterModel": {
      "returnType": "Boolean",
      "documentation": null
   },

   "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "DeleteOnTermination",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "DeleteOnTermination",
      "uri": false
   },

   "variable": {
      "variableDeclarationType": "Integer",
      "variableName": "volumeSize",
      "variableType": "Integer",
      "documentation": "The size of the volume, in GiB.
   * Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
   *
   * Returns a reference to this object so that method calls can be chained together.
   */
   
   "variableSetterType": "Integer"
   },

   "xmlNameSpaceUri": null
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>@param deleteOnTermination Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>@param deleteOnTermination Indicates whether the volume is deleted on instance termination.}@returns Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withDeleteOnTermination",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the volume is deleted on instance termination."
},
"complexType" : "Boolean",
"complexTypeModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the volume is deleted on instance termination."
},
"complexTypeSetter" : "/**<p>Indicates whether the volume is deleted on instance termination.</p>@param deleteOnTermination Indicates whether the volume is deleted on instance termination.}@returns Returns a reference to this object so that method calls can be chained together.*/",
"complexTypeSetterMethodName" : "withDeleteOnTermination",

"c2jName" : "VolumeType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Indicates whether the volume is deleted on instance termination."
"setterDocumentation" : "/**<p>The volume type.</p>@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.}@param: default: <code>standard</code>"
"getterDocumentation" : "/**<p>The volume type.</p>@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.}@param: default: <code>standard</code>"
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p> <p>Default: <code>standard</code></p>

```java
return The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p> <p>Default: <code>standard</code>*/
```

```java
getterMethodName" : "getVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p> <p>Default: <code>standard</code>*/
```

```java
setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>volumeType</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic. Default: <code>standard</code>

@returns Returns a reference to this object so that method calls can be chained together.

### Variable

**variable**

- **variableDeclarationType**: String
- **variableName**: volumeType
- **variableType**: String
- **documentation**: The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic. Default: <code>standard</code>

### Iops

- **c2jName**: Iops
- **c2jShape**: Integer
- **deprecated**: false
- **documentation**: The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes. Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

### Fluent Setter Documentation

The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes. Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see [Amazon EBS Volume Types](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html) in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.
This parameter is required for requests to create <code>io1</code>volumes; it is not used in requests to create
<code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

```java
/*
   @return Returns
   a reference to this object so that method calls can be chained together.*/
   @return Returns
   a reference to this object so that method calls can be chained together.*/

   /**
   * The number of I/O operations per second (IOPS) that the volume supports. For
   * io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>
   * volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O
   * credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting,
   * Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

   <p>Condition: This parameter is required for requests to create <code>io1</code>volumes; it is not used in requests
to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>
   */

   /**
   * The number of I/O operations per second (IOPS) that the volume supports. For io1
   * volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>
   * volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O
   * credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting,
   * Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

   <p>Condition: This parameter is required for requests to create <code>io1</code>volumes; it is not used in requests to create
   <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.*/
```
The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

**Constraint:**
- Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

**Condition:**
- This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

```java
@param iops The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

**Constraint:**
- Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.

**Condition:**
- This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.

```return
```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>"},
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"},
  "xmlNameSpaceUri" : null
},
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>\n@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>\n@return Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
 indica whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.

### setter Documentation

```java
/**
 * Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.
 * @param encrypted Indicates whether the volume is encrypted.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```
"fluentSetterMethodName": "withDeleteOnTermination",
"getterDocumentation": "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@return Indicates whether the volume is deleted on instance termination.*/",
"getterMethodName": "getDeleteOnTermination",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "DeleteOnTermination",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DeleteOnTermination",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteOnTermination",
"setterDocumentation": "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the volume is deleted on instance termination.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean"
}
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
 "c2jName" : "Encrypted",
 "c2jShape" : "Boolean",
"deprecated" : false,
 "documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.
@return Returns a reference to this object so that method calls can be chained together. */",
 "fluentSetterMethodName" : "withEncrypted",
 "getterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.</p>
@return Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.*/",
 "getterMethodName" : "getEncrypted",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Encrypted",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Encrypted",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Encrypted"
"setterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
}
,"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@param encrypted Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
}
,"xmlNameSpaceUri" : null
},
"Iops" : { 
    "c2jName" : "Iops",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.\n</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.\n</p>", 
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.\n</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.\n</p>", 
    "simple" : true,
    "varargSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.\n</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.\n</p>", 
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "Iops",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes. The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For gp2 volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withIops",
"getterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For gp2 volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about gp2 baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes.

@return The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For gp2 volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about gp2 baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes."*/

"getterMethodName" : "getIops",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Iops"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Iops",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p></p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes. For <code>io1</code> volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p></p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes.</p> <p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code> volumes.</p>
@param iops The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>
<b.setterDocumentation" : "/**</b>
<p>The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code> volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about <code>gp2</code> baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.</p>

<p>Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p>

<p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>

<p>Return: Returns a reference to this object so that method calls can be chained together.</p>
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.*/",
"setterMethodName" : "setSnapshotId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot.</p>
@param snapshotId The ID of the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "<p>The ID of the snapshot.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeSize" : {
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p> Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.*/",
"enumType" : false,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p> Default: If you're creating the
volume from a snapshot and don't specify a volume size, the default is the snapshot size.

The size of the volume, in GiB. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.

@returns Returns a reference to this object so that method calls can be chained together.

// fluentSetterMethodName: "withVolumeSize",

// getterDocumentation: "/**<p>The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\returns The size of the volume, in GiB. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.*\n",

// getterMethodName: "getVolumeSize",

// getterModel: {
// returnType: "Integer",
// documentation: null
// },

// http: {
// additionalMarshallingPath: null,
// additionalUnmarshallingPath: null,
// flattened: false,
// greedy: false,
// header: false,
// isPayload: false,
// isStreaming: false,
// location: null,
// marshallLocationName: "VolumeSize",
// queryString: false,
// statusCode: false,
// unmarshallLocationName: "VolumeSize",
// uri: false
// },

// idempotencyToken: false,

// list: false,

// listModel: null,

// map: false,

// mapModel: null,

// name: "VolumeSize",

// setterDocumentation: "/**<p>The size of the volume, in GiB.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>\param volumeSize The size of the volume, in GiB. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.*\n",

// setterMethodName: "setVolumeSize",

// setterModel: {
// variableDeclarationType: "Integer",
// variableName: "volumeSize",
// variableType: "Integer",
// documentation: "",
// simpleType: "Integer",
// variableSetterType: "Integer"
// },
"simple" : true,
"varargSetterDocumentation" : "/**\n    The size of the volume, in GiB.
    Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
\*/
@param volumeSize The size of the volume, in GiB.
    Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer",
    "documentation" : "The size of the volume, in GiB.
    Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"VolumeType" : {
    "c2jName" : "VolumeType",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The volume type. \code{gp2}\ for General Purpose SSD, \code{io1}\ for Provisioned IOPS SSD, Throughput Optimized HDD for \code{st1}\, Cold HDD for \code{sc1}\, or \code{standard}\ for Magnetic.
    Default: \code{standard} \n    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n    The volume type. \code{gp2}\ for General Purpose SSD, \code{io1}\ for Provisioned IOPS SSD, Throughput Optimized HDD for \code{st1}\, Cold HDD for \code{sc1}\, or \code{standard}\ for Magnetic.
    Default: \code{standard}
    \n    @return Returns a reference to this object so that method calls can be chained together.*/
    @param volumeType The volume type. \code{gp2}\ for General Purpose SSD, \code{io1}\ for Provisioned IOPS SSD, Throughput Optimized HDD for \code{st1}\, Cold HDD for \code{sc1}\, or \code{standard}\ for Magnetic.
    Default: \code{standard}
    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withVolumeType",
    "getterDocumentation" : "/**\n    The volume type. \code{gp2}\ for General Purpose SSD, \code{io1}\ for Provisioned IOPS SSD, Throughput Optimized HDD for \code{st1}\, Cold HDD for \code{sc1}\, or \code{standard}\ for Magnetic.
    Default: \code{standard}
    \n    @return Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getVolumeType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeType",
"uri" : false},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic.</p>
@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for
Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or
<code>standard</code> for Magnetic.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeType",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. <code>gp2</code> for General Purpose SSD,
<code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for
<code>sc1</code>, or <code>standard</code> for Magnetic.</p>
@param volumeType The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for
Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or
<code>standard</code> for Magnetic.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"}
"getterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@return The Amazon Resource Name (ARN).*/",
"getterMethodName" : "getArn",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Arn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Arn",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Arn",
"setterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>The Amazon Resource Name (ARN).</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Name",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name.</p>
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withName",
"getterDocumentation" : "/**<p>The name.</p>
@returns The name.*",
"getterMethodName" : "getName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The name.</p>
@param name The name.
*/",
"setterMethodName" : "setName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name.</p>
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>The name.</p>
/**
 * The name.
 * @param name The name.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
",
"variableSetterType" : "String",
"variableName" : "name",
"variableType" : "String",
"documentation" : "<p>The name.</p>
/**
 * The name.
 * @param name The name.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Arn" : {
"c2jName" : "Arn",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Amazon Resource Name (ARN).</p>
/**
 * The Amazon Resource Name (ARN).
 * @param arn The Amazon Resource Name (ARN).
 * @return Returns a reference to this object so that method calls can be chained together.
 */
",
"fluentSetterMethodName" : "withArn",
"getterDocumentation" : "<p>The Amazon Resource Name (ARN).</p>
/**
 * The Amazon Resource Name (ARN).
 * @return The Amazon Resource Name (ARN).
 */
",
"getterMethodName" : "getArn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Arn",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Arn",
"setterDocumentation" : "/**<p>The Amazon Resource Name (ARN).</p>
@param arn The Amazon Resource Name (ARN).*/",
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"setterModel" : {
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  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Amazon Resource Name (ARN).
@param arn The Amazon Resource Name (ARN).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>The Amazon Resource Name (ARN).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Name" : {
  "c2jName" : "Name",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name.
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withName",
  "getterDocumentation" : "/**<p>The name.</p>
@return The name.*/",
  "getterMethodName" : "getName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Name",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "Name",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Name",
"setterDocumentation" : "/**<p>The name.</p>
@param name The name.*/",
"setterMethodName" : "setName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "name",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name.</p>
@param name The name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "name",
 "variableType" : "String",
 "documentation" : "<p>This is the name.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}])}

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ScheduledInstancesIamInstanceProfile",
"unmarshall" : {
 "flattened" : false,
 "resultWrapper" : null
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  "variableDeclarationType" : "ScheduledInstancesIamInstanceProfile",
  "variableName" : "scheduledInstancesIamInstanceProfile",
  "variableType" : "ScheduledInstancesIamInstanceProfile",
  "documentation" : null,
  "simpleType" : "ScheduledInstancesIamInstanceProfile",
  "variableSetterType" : "ScheduledInstancesIamInstanceProfile"
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"wrapper" : false
},
"ScheduledInstancesIpv6Address" : {
  "c2jName" : "ScheduledInstancesIpv6Address",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 address.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "Ipv6Address",
      "c2jShape" : "Ipv6Address",
      "deprecated" : false,
      "documentation" : "<p>The IPv6 address.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The IPv6 address.</p>\n@returns The IPv6 address.</returns>\n@returns Returns a reference to this object so that method calls can be chained together.*\"",
      "fluentSetterMethodName" : "withIpv6Address",
      "getterDocumentation" : "/**<p>The IPv6 address.</p>\n@returns The IPv6 address.*\"",
      "getterMethodName" : "getIpv6Address",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "flattened" : false
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  }
}
}
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Address",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Ipv6Address",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Ipv6Address",
"setterDocumentation": "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.*/",
"setterMethodName": "setIpv6Address",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ipv6Address",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ipv6Address",
  "variableType": "String",
  "documentation": "<p>The IPv6 address.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
}]
"membersAsMap": {
  "Ipv6Address": {
    "c2jName": "Ipv6Address",
    "c2jShape": "Ipv6Address",
    "deprecated": false,
    "documentation": "<p>The IPv6 address.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The IPv6 address.</p>
@param ipv6Address The IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"string": false,
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    "variableName": "ipv6Address",
    "variableType": "String",
    "documentation": "<p>The IPv6 address.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  }
}
"fluentSetterMethodName" : "withIpv6Address",
"getterDocumentation" : "/**<p>The IPv6 address.</p>@return The IPv6 address.*/",
"getterMethodName" : "getIpv6Address",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
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 "marshallLocationName" : "Ipv6Address",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Ipv6Address",
 "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6Address",
"setterDocumentation" : "/**<p>The IPv6 address.</p>@param ipv6Address The IPv6 address.@*/",
"setterMethodName" : "setIpv6Address",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "ipv6Address",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv6 address.</p>@param ipv6Address The IPv6 address.@*/
@returns Returns a reference to this object so that method calls can be chained together.@*/",
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 "variableName" : "ipv6Address",
 "variableType" : "String",
 "documentation" : "<p>The IPv6 address.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ScheduledInstancesIpv6Address",
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
 },
"variable" : {  
 "variableDeclarationType" : "ScheduledInstancesIpv6Address",
 "variableName" : "scheduledInstancesIpv6Address",
 "variableType" : "ScheduledInstancesIpv6Address",
 "documentation" : null,
 "simpleType" : "ScheduledInstancesIpv6Address",
 "variableSetterType" : "ScheduledInstancesIpv6Address"

},
"wrapper" : false
},
"ScheduledInstancesLaunchSpecification" : {
 "c2jName" : "ScheduledInstancesLaunchSpecification",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false
 },
 "deprecated" : false,
 "documentation" : "<p>Describes the launch specification for a Scheduled Instance.</p> <p> If you are launching the Scheduled Instance in EC2-VPC, you must specify the ID of the subnet. You can specify the subnet using either <code>SubnetId</code> or <code>NetworkInterface</code>.</p> ",
 "enums" : null,
 "errorCode" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "marshaller" : null,
 "members" : [  
 "c2jName" : "ImageId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the Amazon Machine Image (AMI).</p> ",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The ID of the Amazon Machine Image (AMI).</p>\n@param imageId"
The ID of the Amazon Machine Image (AMI)
@return Returns a reference to this object so that method calls can be chained together. */

"setterDocumentation" : "/**\p>The ID of the Amazon Machine Image (AMI).</p>\n@param imageId The ID of the Amazon Machine Image (AMI). */

"setterMethodName" : "setImageId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The ID of the Amazon Machine Image (AMI).</p>\n@param imageId The ID of the Amazon Machine Image (AMI).\n@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "String"}
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the Amazon Machine Image (AMI).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "KeyName",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>
@return The name of the key pair.*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "imageId",
"variableType" : "String",
"documentation" : "<p>The ID of the Amazon Machine Image (AMI).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"variableName": "keyName",
"variableType": "String",
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"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The name of the key pair.</p>@param keyName The name of the key pair.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "String",
"documentation": "<p>The name of the key pair.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
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"c2jShape": "ScheduledInstancesSecurityGroupIdSet",
"deprecated": false,
"documentation": "<p>The IDs of one or more security groups.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IDs of one or more security groups.</p>@param securityGroupIds The IDs of one or more security groups.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSecurityGroupIds",
"getterDocumentation": "/**<p>The IDs of one or more security groups.</p>@return The IDs of one or more security groups.*/",
"getterMethodName": "getSecurityGroupIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
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"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SecurityGroupId",
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"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "SecurityGroupId",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "SecurityGroupId",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**\n@param member \n@return */",
    "setterMethodName": "setMember",
    "setterModel": {
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      "variableName": "member",
    },
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupIds",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param securityGroupIds The IDs of one or more security groups.*/",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setSecurityGroupIds(java.util.Collection)} or {@link #withSecurityGroupIds(java.util.Collection)} if you want to override the existing values."
securityGroupIds The IDs of one or more security groups.

@return Returns a reference to this object so that method calls can be chained together.*\n
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IDs of one or more security groups.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String"
},
"c2jName" : "UserData",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The base64-encoded MIME user data.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserData",
"getterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@return The base64-encoded MIME user data.*/",
"getterMethodName" : "getUserData",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UserData",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.</p>*/",
"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The base64-encoded MIME user data.</p>
@param userData The base64-encoded MIME user data.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The base64-encoded MIME user data.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Placement",
  "c2jShape" : "ScheduledInstancesPlacement",
  "deprecated" : false,
  "documentation" : "<p>The placement information.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The placement information.</p>
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : "/**<p>The placement information.</p>
@return The placement information.</p>*/",
  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "ScheduledInstancesPlacement",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Placement",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Placement",
"setterDocumentation": "/**\n* The placement information.
* @param placement The placement information.*/",
"setterMethodName": "setPlacement",
"setterModel": {
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  "variableName": "placement",
  "variableType": "ScheduledInstancesPlacement",
  "documentation": "",
  "simpleType": "ScheduledInstancesPlacement",
  "variableSetterType": "ScheduledInstancesPlacement"
},
"simple": false,
"varargSetterDocumentation": "/**\n* The placement information.
* @param placement The placement information.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableName": "placement",
  "variableType": "ScheduledInstancesPlacement",
  "documentation": "The placement information.
",
  "simpleType": "ScheduledInstancesPlacement",
  "variableSetterType": "ScheduledInstancesPlacement"
},
"xmlNameSpaceUri": null
},
"c2jName": "KernelId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the kernel.
",
"enumType": null,
"fluentSetterDocumentation": "/**\n* The ID of the kernel.
* @param kernelId The ID of the kernel.
* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withKernelId",
"getterDocumentation": "/**\n* The ID of the kernel.
* @return The ID of the kernel.*/",
"getterMethodName": "getKernelId",
"getterModel": {

"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KernelId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**\n*p The ID of the kernel.\n*\n@param kernelId The ID of the kernel.*\n*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
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"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p The ID of the kernel.\n*\n@param kernelId The ID of the kernel\n*\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
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"variableName" : "kernelId",
"variableType" : "String",
"documentation" : "<p>The ID of the kernel.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "InstanceType"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The instance type.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The instance type.</p><p>@param instanceType The instance type.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/

@Setter
public InstanceType withInstanceType(String instanceType) {
    this.instanceType = instanceType;
    return this;
}

@OwnedBySet
public String getInstanceType() {
    return instanceType;
}

@OwnedBySet
public void setInstanceType(String instanceType) {
    this.instanceType = instanceType;
}

@OwnedBySet
public String getVariableOrArray() {
    return instanceType;
}

@OwnedBySet
public void setVariableOrArray(String instanceType) {
    this.instanceType = instanceType;
}

@OwnedBySet
public String getVararg() {
    return instanceType;
}

@OwnedBySet
public void setVararg(String instanceType) {
    this.instanceType = instanceType;
}

 */

varargSetterDocumentation" : "/**<p>The instance type.</p><p>@param instanceType The instance type.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/

@Setter
public String withVararg(String instanceType) {
    return instanceType;
}

@OwnedBySet
public String getVararg() {
    return instanceType;
}

@OwnedBySet
public void setVararg(String instanceType) {
    this.instanceType = instanceType;
}

 */

idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p><p>@param instanceType The instance type.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/

@Setter
public InstanceType withInstanceType(String instanceType) {
    this.instanceType = instanceType;
    return this;
}

@OwnedBySet
public String getInstanceType() {
    return instanceType;
}

@OwnedBySet
public void setInstanceType(String instanceType) {
    this.instanceType = instanceType;
}

@OwnedBySet
public String getVariableOrArray() {
    return instanceType;
}

@OwnedBySet
public void setVariableOrArray(String instanceType) {
    this.instanceType = instanceType;
}

@OwnedBySet
public String getVararg() {
    return instanceType;
}

@OwnedBySet
public void setVararg(String instanceType) {
    this.instanceType = instanceType;
}

 */

varargSetterDocumentation" : "/**<p>The instance type.</p><p>@param instanceType The instance type.</p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/

@Setter
public String withVararg(String instanceType) {
    return instanceType;
}

@OwnedBySet
public String getVararg() {
    return instanceType;
}

@OwnedBySet
public void setVararg(String instanceType) {
    this.instanceType = instanceType;
}

 */

idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
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"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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{ "c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
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"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RamdiskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
* The ID of the RAM disk.
* @param ramdiskId The ID of the RAM disk.
* @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the RAM disk.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "ScheduledInstancesBlockDeviceMappingSet",
  "deprecated" : false,
  "documentation" : "<p>One or more block device mapping entries.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
* One or more block device mapping entries.
* @param blockDeviceMappings One or more block device mapping entries.
* @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withBlockDeviceMappings",
  "getterDocumentation" : "/**
* One or more block device mapping entries.
* @return One or more block device mapping entries.
* / *
* @param blockDeviceMappings One or more block device mapping entries.
* @return Returns a reference to this object so that method calls can be chained together. */",
  "getterMethodName" : "getBlockDeviceMappings",
  "getterModel" : {
    "returnType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "]com.amazonaws.internal.SdkInternalList",
"interfaceType": "]java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "]ScheduledInstancesBlockDeviceMapping",
"deprecated": false,
"documentation": """,
"enumType": null,
"fluentSetterDocumentation": "]/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "]withMember",
"getterDocumentation": "]/**\n@return */",
"getterMethodName": "]getMember",
"getterModel": {
"returnType": "]ScheduledInstancesBlockDeviceMapping",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "BlockDeviceMapping",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "BlockDeviceMapping",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "]/**\n@param member */",
"setterMethodName": "]setMember",
"setterModel": {
"variableDeclarationType": "]ScheduledInstancesBlockDeviceMapping",
"implType": "]com.amazonaws.internal.SdkInternalList",
"interfaceType": "]java.util.List"}
"variableName": "member",
"variableType": "ScheduledInstancesBlockDeviceMapping",
"documentation": "",
"simpleType": "ScheduledInstancesBlockDeviceMapping",
"variableSetterType": "ScheduledInstancesBlockDeviceMapping"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "ScheduledInstancesBlockDeviceMapping",
"variableName": "member",
"variableType": "ScheduledInstancesBlockDeviceMapping",
"documentation": "",
"simpleType": "ScheduledInstancesBlockDeviceMapping",
"variableSetterType": "ScheduledInstancesBlockDeviceMapping"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "BlockDeviceMapping",
"memberType": "ScheduledInstancesBlockDeviceMapping",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ScheduledInstancesBlockDeviceMapping",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
"templateType": "java.util.List<ScheduledInstancesBlockDeviceMapping>"
},
"map": false,
"mapModel": null,
"name": "BlockDeviceMappings",
"setterDocumentation": "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName": "setBlockDeviceMappings",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>"",
"variableName": "blockDeviceMappings",
"variableType": "java.util.List<ScheduledInstancesBlockDeviceMapping>"",
"documentation": "",
"simpleType": "List<ScheduledInstancesBlockDeviceMapping>",
"variableSetterType": "java.util.Collection<ScheduledInstancesBlockDeviceMapping>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more block device mapping entries.</p>
<p><b>NOTE:</b>

This method appends the values to the existing list (if any). Use \{@link 
#setBlockDeviceMappings(java.util.Collection)\} or \{@link 
#withBlockDeviceMappings(java.util.Collection)\} if you want to override the existing values.</p>

@<p>
\@param blockDeviceMappings One or more block device mapping entries.
\@return Returns a reference to this object so that method calls can be chained together.*"/",
    "variable" : {
        "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesBlockDeviceMapping>",
        "variableName" : "blockDeviceMappings",
        "variableType" : "java.util.List<ScheduledInstancesBlockDeviceMapping>",
        "documentation" : "One or more block device mapping entries."",
        "simpleType" : "List<ScheduledInstancesBlockDeviceMapping>",
        "variableSetterType" : "java.util.Collection<ScheduledInstancesBlockDeviceMapping>",
    },
    "xmlNameSpaceUri" : null,
},
    "c2jName" : "Monitoring",
    "c2jShape" : "ScheduledInstancesMonitoring",
    "deprecated" : false,
    "documentation" : "Enable or disable monitoring for the instances."",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>Enable or disable monitoring for the instances.</p>*/
    "@param monitoring Enable or disable monitoring for the instances.
    "@return Returns a reference to this object so that method calls can be chained together.*"/",
    "fluentSetterMethodName" : "withMonitoring",
    "getterDocumentation" : "/*<p>Enable or disable monitoring for the instances.</p>*/
    "@return Enable or disable monitoring for the instances.*"/",
    "getterMethodName" : "getMonitoring",
    "getterModel" : {
        "returnType" : "ScheduledInstancesMonitoring",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Monitoring",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Monitoring",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Monitoring",
"setterDocumentation": "/**\n<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.*/",
"setterMethodName": "setMonitoring",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesMonitoring",
  "variableName": "monitoring",
  "variableType": "ScheduledInstancesMonitoring",
  "documentation": "",
  "simpleType": "ScheduledInstancesMonitoring",
  "variableSetterType": "ScheduledInstancesMonitoring"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>Enable or disable monitoring for the instances.</p>\n@param monitoring Enable or disable monitoring for the instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesMonitoring",
  "variableName": "monitoring",
  "variableType": "ScheduledInstancesMonitoring",
  "documentation": "<p>Enable or disable monitoring for the instances.</p>",
  "simpleType": "ScheduledInstancesMonitoring",
  "variableSetterType": "ScheduledInstancesMonitoring"
},
"xmlNameSpaceUri": null
},
"c2jName": "SubnetId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the subnet in which to launch the instances.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The ID of the subnet in which to launch the instances.</p>
@param subnetId The ID of the subnet in which to launch the instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withSubnetId",
"getterDocumentation": "/**\n<p>The ID of the subnet in which to launch the instances.</p>\n@return The ID of the subnet in which to launch the instances.*/",
"getterMethodName": "getSubnetId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SubnetId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "/**\n*p The ID of the subnet in which to launch the instances.\n*@param subnetId\nThe ID of the subnet in which to launch the instances.*/",
"setterMethodName" : "setSubnetId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p The ID of the subnet in which to launch the instances.\n*@param subnetId The ID of the subnet in which to launch the instances.\n*return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "subnetId",
  "variableType" : "String",
  "documentation" : "\nThe ID of the subnet in which to launch the instances.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "NetworkInterfaces",
  "c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
  "deprecated" : false,
  "documentation" : "\nOne or more network interfaces.\n",
  "enumType" : null,}
"fluentSetterDocumentation": "/**
One or more network interfaces.

@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withNetworkInterfaces",
"getterDocumentation": "/**
One or more network interfaces.

@return One or more network interfaces. */

"getterMethodName": "getNetworkInterfaces",
"getterModel": {
"returnType": "java.util.List<ScheduledInstancesNetworkInterface>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NetworkInterface",
"uri": false
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"idempotencyToken": false,
"list": true,
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"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "ScheduledInstancesNetworkInterface",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */

"getterMethodName": "getMember",
"getterModel": {
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"documentation": null
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterface",
"uri" : false
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"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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"variableName" : "member",
"variableType" : "ScheduledInstancesNetworkInterface",
"documentation" : "",
"simpleType" : "ScheduledInstancesNetworkInterface",
"variableSetterType" : "ScheduledInstancesNetworkInterface"
}
,"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "ScheduledInstancesNetworkInterface",
"documentation" : "",
"simpleType" : "ScheduledInstancesNetworkInterface",
"variableSetterType" : "ScheduledInstancesNetworkInterface"
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,"xmlNameSpaceUri" : null
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"memberType" : "ScheduledInstancesNetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "ScheduledInstancesNetworkInterface",
"templateImplType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
"templateType": "java.util.List<ScheduledInstancesNetworkInterface>"
},
"map": false,
"mapModel": null,
"name": "NetworkInterfaces",
"setterDocumentation": "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.*/",
"setterMethodName": "setNetworkInterfaces",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
  "variableName": "networkInterfaces",
  "variableType": "java.util.List<ScheduledInstancesNetworkInterface>",
  "documentation": "",
  "simpleType": "List<ScheduledInstancesNetworkInterface>",
  "variableSetterType": "java.util.Collection<ScheduledInstancesNetworkInterface>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more network interfaces.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setNetworkInterfaces(java.util.Collection)] or [@link #withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.</p>
@param networkInterfaces One or more network interfaces.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
  "variableName": "networkInterfaces",
  "variableType": "java.util.List<ScheduledInstancesNetworkInterface>",
  "documentation": "<p>One or more network interfaces.</p>
  "simpleType": "List<ScheduledInstancesNetworkInterface>",
  "variableSetterType": "java.util.Collection<ScheduledInstancesNetworkInterface>"
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"xmlNameSpaceUri": null
},
"c2jName": "IamInstanceProfile",
"c2jShape": "ScheduledInstancesIamInstanceProfile",
"deprecated": false,
"documentation": "<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIamInstanceProfile",
"getterDocumentation": "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.\n@return The IAM instance profile.*/",
"getterMethodName": "getIamInstanceProfile"
"getterModel" : {
    "returnType" : "ScheduledInstancesIamInstanceProfile",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
    "variableDeclarationType" : "ScheduledInstancesIamInstanceProfile",
    "variableName" : "iamInstanceProfile",
    "variableType" : "ScheduledInstancesIamInstanceProfile",
    "documentation" : "",
    "simpleType" : "ScheduledInstancesIamInstanceProfile",
    "variableSetterType" : "ScheduledInstancesIamInstanceProfile"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.<br/>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "ScheduledInstancesIamInstanceProfile",
    "variableName" : "iamInstanceProfile",
    "variableType" : "ScheduledInstancesIamInstanceProfile",
    "documentation" : "<p>The IAM instance profile.</p>",
    "simpleType" : "ScheduledInstancesIamInstanceProfile",
    "variableSetterType" : "ScheduledInstancesIamInstanceProfile"
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"xmlNameSpaceUri" : null
"c2jName": "EbsOptimized",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p><p>Default: <code>false</code></p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the instances are optimized for EBS I/O. This
optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide
optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges
apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p><p>@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p><p>\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName": "withEbsOptimized",
"getterDocumentation": "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS-optimized instance.</p><p>Default: <code>false</code></p><p>@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p><p>Default: <code>false</code></p>*/",
"getterMethodName": "getEbsOptimized",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "EbsOptimized",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EbsOptimized",
  "uri": false
},
"idempotencyToken": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**
 * Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 
 */

@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 

@return Returns a reference to this object so that method calls can be chained together.*/

</p> <p>Default: <code>false</code></p>

"setterMethodName" : "setEbsOptimized",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 
 */

@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 

@return Returns a reference to this object so that method calls can be chained together.*/

</p> <p>Default: <code>false</code></p>

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsOptimized",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 

@return Returns a reference to this object so that method calls can be chained together.*/

</p> <p>Default: <code>false</code></p>

"complexType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "BlockDeviceMappings" : {
    "c2jName" : "BlockDeviceMappings",
    "setterDocumentation" : "/**
 * Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 
 */

@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance. 

@return Returns a reference to this object so that method calls can be chained together.*/

</p> <p>Default: <code>false</code></p>

"complexType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}];
"c2jShape" : "ScheduledInstancesBlockDeviceMappingSet",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more block device mapping entries.</p><p>@param blockDeviceMappings One or more block device mapping entries.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "/**<p>One or more block device mapping entries.</p><p>@return One or more block device mapping entries.</p>*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List\<ScheduledInstancesBlockDeviceMapping\>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ScheduledInstancesBlockDeviceMapping",
"deprecated" : false,
"documentation" : 
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return 
*/",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : null}
}
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "BlockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstancesBlockDeviceMapping",
"variableName" : "member",
"variableType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : "",
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"variableSetterType" : "ScheduledInstancesBlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstancesBlockDeviceMapping",
"variableName" : "member",
"variableType" : "ScheduledInstancesBlockDeviceMapping",
"documentation" : "",
"simpleType" : "ScheduledInstancesBlockDeviceMapping",
"variableSetterType" : "ScheduledInstancesBlockDeviceMapping"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "BlockDeviceMapping",
"memberType" : "ScheduledInstancesBlockDeviceMapping"
This method appends the values to the existing list (if any). Use \{@link #setBlockDeviceMappings(java.util.Collection)\} or \{@link #withBlockDeviceMappings(java.util.Collection)\} if you want to override the existing values.\n@returns Returns a reference to this object so that method calls can be chained together.\n
\nIndicates whether the instances are optimized for EBS I/O. This optimization provides...
Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code>

```java
public boolean isEbsOptimized() {
    return EbsOptimized;
}
```

**@return** Returns a reference to this object so that method calls can be chained together.*"*/

```
// Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

```java
public void setEbsOptimized(boolean ebsOptimized) {
    this.ebsOptimized = ebsOptimized;
}
```

**@param** ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

```java
public Boolean getEbsOptimized() {
    return EbsOptimized;
}
```

**@return** Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

```java
public static class EbsOptimized {
    private static final long serialVersionUID = 1L;
    private boolean ebsOptimized;

    public EbsOptimized() {
        this.ebsOptimized = false;
    }

    public boolean isEbsOptimized() {
        return this.ebsOptimized;
    }

    public void setEbsOptimized(boolean ebsOptimized) {
        this.ebsOptimized = ebsOptimized;
    }

    public Boolean getEbsOptimized() {
        return this.ebsOptimized;
    }

    @Override
    public boolean equals(Object obj) {
        if (obj instanceof EbsOptimized) {
            EbsOptimized other = (EbsOptimized) obj;
            return this.ebsOptimized == other.ebsOptimized;
        }
        return false;
    }

    @Override
    public int hashCode() {
        return Objects.hash(ebsOptimized);
    }
}
```

**Note:**

- This class is a representation of the `EbsOptimized` parameter in the AWS SDK for Java. It includes methods to set and get the `ebsOptimized` attribute, which indicates whether the instances are optimized for EBS I/O.
- The `equals` and `hashCode` methods ensure proper comparison and hashing of instances of this class.

**Example Usage:**

```java
EbsOptimized ebsOptimized = new EbsOptimized();
ebsOptimized.setEbsOptimized(true);
```

This example demonstrates setting the `ebsOptimized` attribute to `true` for an instance.
Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

@ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: false

@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName": "withIamInstanceProfile",
"getterDocumentation": "/**\n\nThe IAM instance profile.\n\n@return The IAM instance profile.*/",
"getterMethodName": "getIamInstanceProfile",
"getterModel": {
  "returnType": "ScheduledInstancesIamInstanceProfile",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
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  "marshallLocationName": "IamInstanceProfile",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "IamInstanceProfile",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IamInstanceProfile",
"setterDocumentation": "/**\n\nThe IAM instance profile.\n\n@param iamInstanceProfile The IAM instance profile.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setIamInstanceProfile",
"setterModel": {
  "variableDeclarationType": "ScheduledInstancesIamInstanceProfile",
  "variableName": "iamInstanceProfile",
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  "variableSetterType": "ScheduledInstancesIamInstanceProfile"
},
"simple": false,
"varargSetterDocumentation": "/**\n\nThe IAM instance profile.\n\n@param iamInstanceProfile The IAM instance profile.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "ScheduledInstancesIamInstanceProfile",
  "variableName": "iamInstanceProfile",
  "variableType": "ScheduledInstancesIamInstanceProfile",
  "documentation": "<p>The IAM instance profile.</p>",
  "simpleType": "ScheduledInstancesIamInstanceProfile"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*@param imageId The ID of the Amazon Machine Image (AMI).
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "imageId",
  "variableType" : "String",
  "documentation" : "The ID of the Amazon Machine Image (AMI).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "c2jName" : "InstanceType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The instance type.
  @param instanceType The instance type.
  @returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "@param instanceType The instance type.
  @return The instance type.
  @getterMethod" : "getInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceType",
    "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type.</p>@param instanceType The instance type.*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "//<p>The instance type.</p>@param instanceType The instance type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KernelId" : {
  "c2jName" : "KernelId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the kernel.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "//<p>The ID of the kernel.</p>@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKernelId",
  "getterDocumentation" : "//<p>The ID of the kernel.</p>@return The ID of the kernel.*/",
  "getterMethodName" : "getKernelId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {"additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KernelId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KernelId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KernelId",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KeyName" : {
  "c2jName" : "KeyName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the key pair.</p",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the


key pair.\n\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withKeyName",
"getterDocumentation" : "/**<p>The name of the key pair.</p>\n\n@return The name of the key pair.</p>*/",
"getterMethodName" : "getKeyName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KeyName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KeyName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KeyName",
"setterDocumentation" : "/**<p>The name of the key pair.</p>\n\n@param keyName The name of the key pair.</p>*/",
"setterMethodName" : "setKeyName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>\n\n@param keyName The name of the key pair.</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : ""<p>The name of the key pair.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Monitoring": {
"c2jName": "Monitoring",
"c2jShape": "ScheduledInstancesMonitoring",
"deprecated": false,
"documentation": "<p>Enable or disable monitoring for the instances.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Enable or disable monitoring for the instances.</p>*/
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together."/
",
"fluentSetterMethodName": "withMonitoring",
"getterDocumentation": "/**<p>Enable or disable monitoring for the instances.</p>*/
@return Enable or disable monitoring for the instances.
getMonitoring()

setterMethodDeclaration": "ScheduledInstancesMonitoring",
"setterMethodName": "setMonitoring",
"setterModel": {
"variableDeclarationType": "ScheduledInstancesMonitoring",
"variableSetterType": "String"
}
"variableName" : "monitoring",
"variableType" : "ScheduledInstancesMonitoring",
"documentation" : "",
"simpleType" : "ScheduledInstancesMonitoring",
"variableSetterType" : "ScheduledInstancesMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Enable or disable monitoring for the instances.</p>\n@param\nmonitoring Enable or disable monitoring for the instances.\n@return\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstancesMonitoring",
"variableName" : "monitoring",
"variableType" : "ScheduledInstancesMonitoring",
"documentation" : "<p>Enable or disable monitoring for the instances.</p>",
"simpleType" : "ScheduledInstancesMonitoring",
"variableSetterType" : "ScheduledInstancesMonitoring"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
"c2jName" : "NetworkInterfaces",
"c2jShape" : "ScheduledInstancesNetworkInterfaceSet",
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>One or more network interfaces.</p>\n@param\nnetworkInterfaces One or more network interfaces.\n@return\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**\n<p>One or more network interfaces.</p>\n@return\nOne or more network interfaces.*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<ScheduledInstancesNetworkInterface>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterface",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterface",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "ScheduledInstancesNetworkInterface",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "ScheduledInstancesNetworkInterface",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterface",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterface",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ScheduledInstancesNetworkInterface",
"variableName" : "member",
"variableType" : "ScheduledInstancesNetworkInterface",
"documentation" : "",
"simpleType" : "ScheduledInstancesNetworkInterface",
"variableSetterType" : "ScheduledInstancesNetworkInterface"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "ScheduledInstancesNetworkInterface",
"variableName" : "member",
"variableType" : "ScheduledInstancesNetworkInterface",
"documentation" : "",
"simpleType" : "ScheduledInstancesNetworkInterface",
"variableSetterType" : "ScheduledInstancesNetworkInterface"
},
"xmlNameSpaceUri" : "null",
"memberLocationName" : "NetworkInterface",
"memberType" : "ScheduledInstancesNetworkInterface",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : "null",
"memberAdditionalUnmarshallingPath" : "null",
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesNetworkInterface",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
"templateType" : "java.util.List<ScheduledInstancesNetworkInterface>"
},
"map" : false,
"mapModel" : "null",
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces.</p>
@param networkInterfaces One or more network interfaces.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
"variableDeclarationType" :
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
"variableName" : "networkInterfaces",
"variableType" : "java.util.List<ScheduledInstancesNetworkInterface>",
"documentation" : "",
"simpleType" : "List<ScheduledInstancesNetworkInterface>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more network interfaces.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setNetworkInterfaces(java.util.Collection)] or [@link #withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesNetworkInterface>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<ScheduledInstancesNetworkInterface>",
  "documentation" : "<p>One or more network interfaces.</p>
  "simpleType" : "List<ScheduledInstancesNetworkInterface>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesNetworkInterface>"
},
"xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "ScheduledInstancesPlacement",
  "deprecated" : false,
  "documentation" : "<p>The placement information.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The placement information.</p>
  @param placement The placement information.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : "/**<p>The placement information.</p>
  @return The placement information.*/",
  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "ScheduledInstancesPlacement",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Placement",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Placement",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "RamdiskId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "RamdiskId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "RamdiskId",
"setterDocumentation": "/**\<p>The ID of the RAM disk.\</p>\@param ramdiskId The ID of the RAM disk.*/",
"setterMethodName": "setRamdiskId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"vargSetterDocumentation": "/**\<p>The ID of the RAM disk.\</p>\@param ramdiskId The ID of the RAM disk.\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ramdiskId",
  "variableType": "String",
  "documentation": "\<p>The ID of the RAM disk.\</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"SecurityGroupIds": {
  "c2jName": "SecurityGroupIds",
  "c2jShape": "ScheduledInstancesSecurityGroupIdSet",
  "deprecated": false,
  "documentation": "\<p>The IDs of one or more security groups.\</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\<p>The IDs of one or more security groups.\</p>\@param securityGroupIds The IDs of one or more security groups.\@return Returns a reference to this object so that
method calls can be chained together.*"',
    "fluentSetterMethodName" : "withSecurityGroupIds",
    "getterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@<p@return The IDs of one or more security groups.*"",
    "getterMethodName" : "getSecurityGroupIds",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "SecurityGroupId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "SecurityGroupId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n@<p@param member \p@return Returns a reference to this object so that
method calls can be chained together.*"",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n@<p@return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SecurityGroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "SecurityGroupId",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>*/
@param securityGroupIds The IDs of one or more security groups.*/",
"setterMethodName" : "setSecurityGroupId",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>*/
<br>NOTE:/b> This method appends the values to the existing list (if any). Use { @link #setSecurityGroupId(java.util.Collection)} or { @link #withSecurityGroupId(java.util.Collection)} if you want to override the existing values.</p>*/
@param securityGroupId The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "The IDs of one or more security groups. */", 
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet in which to launch the instances.*/", 
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the subnet in which to launch the instances.</p>*/
@param subnetId The ID of the subnet in which to launch the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "/*<p>The ID of the subnet in which to launch the instances.</p>*/
@returns The ID of the subnet in which to launch the instances.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
}
"UserData" : {
  "c2jName" : "userData",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The base64-encoded MIME user data.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n  * The base64-encoded MIME user data.
  * @param userData The base64-encoded MIME user data.
  * @return Returns a reference to this object so that method calls can be chained together.
  */",
  "fluentSetterMethodName" : "withUserData",
  "getterDocumentation" : "/**\n  * The base64-encoded MIME user data.
  * @return The base64-encoded MIME user data.
  */",
  "getterMethodName" : "getUserData",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UserData",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UserData",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "UserData",
  "setterDocumentation" : "/**\n  * The base64-encoded MIME user data.
  * @param userData The base64-encoded MIME user data.
  */",
  "setterMethodName" : "setUserData",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "userData",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
],
"simple" : true,
"varargSetterDocumentation" : "/**\n * The base64-encoded MIME user data.
 */

@returns Returns a reference to this object so that method calls can be chained together.
*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>The base64-encoded MIME user data.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ImageId" ],
"shapeName" : "ScheduledInstancesLaunchSpecification",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesLaunchSpecification",
  "variableName" : "scheduledInstancesLaunchSpecification",
  "variableType" : "ScheduledInstancesLaunchSpecification",
  "documentation" : null,
  "simpleType" : "ScheduledInstancesLaunchSpecification",
  "variableSetterType" : "ScheduledInstancesLaunchSpecification"
},
"wrapper" : false
},
"ScheduledInstancesMonitoring" : {
  "c2jName" : "ScheduledInstancesMonitoring",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes whether monitoring is enabled for a Scheduled Instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
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  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Indicates whether monitoring is enabled.&lt;/p&gt;",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**&lt;p&gt;Indicates whether monitoring is enabled.&lt;/p&gt;\n@param enabled Indicates whether monitoring is enabled.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEnabled",
  "getterDocumentation" : "/**&lt;p&gt;Indicates whether monitoring is enabled.&lt;/p&gt;\n@return Indicates whether monitoring is enabled.*/",
  "getterMethodName" : "getEnabled",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
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    "statusCode" : false,
    "unmarshallLocationName" : "Enabled",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Enabled",
  "setterDocumentation" : "/**&lt;p&gt;Indicates whether monitoring is enabled.&lt;/p&gt;\n@param enabled Indicates whether monitoring is enabled.*/",
  "setterMethodName" : "setEnabled",
  "setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
  }
}];
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@param enabled
Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be
chained together. */",
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"variableType" : "Boolean",
"documentation" : "<p>Indicates whether monitoring is enabled.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
"Enabled" : {
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether monitoring is enabled.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
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Indicates whether monitoring is enabled.
@return Returns a reference to this object so that method calls can be
chained together. */",
"fluentSetterMethodName" : "withEnabled",
"getterDocumentation" : "/**<p>Indicates whether monitoring is enabled.</p>
@return Indicates whether
monitoring is enabled. */",
"getterMethodName" : "getEnabled",
"getterModel" : {
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"documentation" : null
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"isStreaming" : false,
"location" : null,
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"queryString" : false,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
"statusCode": false,
"unmarshallLocationName": "Enabled",
"uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterModel": {
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  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**\n* Indicates whether monitoring is enabled.\n*\n* @param enabled Indicates whether monitoring is enabled.\n*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "ScheduledInstancesMonitoring",
  "xmlNameSpaceUri": null
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"shapeName": "ScheduledInstancesMonitoring",
"unmarshaller": {
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  "variableName": "scheduledInstancesMonitoring",
  "variableType": "ScheduledInstancesMonitoring"}
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    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "Describes a network interface for a Scheduled Instance."
},
"enums" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"members" : [
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        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The ID of the network interface."
    },
    {
        "c2jName" : "withNetworkInterfaceId",
        "c2jShape" : "String",
        "documentation" : "The ID of the network interface."
    },
    {
        "c2jName" : "getNetworkInterfaceId",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
        }
    }
}
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"statusCode" : false,
"unmarshallLocationName" : "NetworkInterfaceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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  "c2jName" : "DeviceIndex",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The index of the device for the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@param deviceIndex The index of the device for the network interface attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeviceIndex",
  "getterDocumentation" : "/**<p>The index of the device for the network interface attachment.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"}
The index of the device for the network interface attachment.*/

"getterMethodName" : "getDeviceIndex",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DeviceIndex",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**\n<p>The index of the device for the network interface attachment.</p>\n<param deviceIndex The index of the device for the network interface attachment.*/

"setterMethodName" : "setDeviceIndex",
"setterModel" : {
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"simpleType" : "Integer",
"variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The index of the device for the network interface attachment.</p>
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"variable" : {
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"documentation" : "<p>The index of the device for the network interface attachment.</p>",
"simpleType" : "Integer"}
"variableSetterType" : "Integer"
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"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the subnet.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;@param subnetId The ID of the subnet.&gt;&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*&gt;/&gt;",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "&lt;**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;@return The ID of the subnet.*&gt;/&gt;",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetId",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SubnetId",
"setterDocumentation" : "&lt;**&lt;p&gt;The ID of the subnet.&lt;/p&gt;&lt;@param subnetId The ID of the subnet.*&gt;/&gt;",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"name" : "Description",
"setterDocumentation" : "/**<p>The description.</p>
@param description The description.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The description.</p>
@param description The description.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "PrivateIpAddress",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
@return The IPv4 address of the network interface within the subnet.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "greedy" : false,
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"queryString" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
"setterDocumentation" : "/**\<p>\The IPv4 address of the network interface within the subnet.</p>\n@param privateIpAddress The IPv4 address of the network interface within the subnet.*/",
"setterMethodName" : "setPrivateIpAddress",
"setterModel" : {
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    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\<p>\The IPv4 address of the network interface within the subnet.\n@param privateIpAddress The IPv4 address of the network interface within the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "privateIpAddress",
    "variableType" : "String",
    "documentation" : "\p>\The IPv4 address of the network interface within the subnet.<p>\n\simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "PrivateIpAddressConfigs",
"c2jShape" : "PrivateIpAddressConfigSet",
"deprecated" : false,
"documentation" : "\p>\The private IPv4 addresses.\p",
"enumType" : null,
"fluentSetterDocumentation" : "/**\<p>\The private IPv4 addresses.\n@param privateIpAddressConfigs The private IPv4 addresses.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddressConfigs",
"getterDocumentation" : "/**\<p>\The private IPv4 addresses.\n@return The private IPv4 addresses.*/",
"getMethodName" : "getPrivateIpAddressConfigs"
"getterModel" : {
  "returnType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PrivateIpAddressConfig",
  "uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "ScheduledInstancesPrivateIpAddressConfig",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "ScheduledInstancesPrivateIpAddressConfig",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "PrivateIpAddressConfig",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "PrivateIpAddressConfig",
      "uri" : false
    }
  }
}
"marshallLocationName" : "PrivateIpAddressConfigSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddressConfigSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesPrivateIpAddressConfig",
  "variableName" : "member",
  "variableType" : "ScheduledInstancesPrivateIpAddressConfig",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesPrivateIpAddressConfig",
  "variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "ScheduledInstancesPrivateIpAddressConfig",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesPrivateIpAddressConfig",
  "variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "PrivateIpAddressConfigSet",
"memberType" : "ScheduledInstancesPrivateIpAddressConfig",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesPrivateIpAddressConfig",
"templateImplType" :
"com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",
"templateType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>"}
"setterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddressConfigs The private IPv4 addresses. */",
"setterMethodName" : "setPrivateIpAddressConfigs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",
  "variableName" : "privateIpAddressConfigs",
  "variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesPrivateIpAddressConfig>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddressConfigs The private IPv4 addresses.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",
  "variableName" : "privateIpAddressConfigs",
  "variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
  "documentation" : "<p>The private IPv4 addresses.</p>",
  "simpleType" : "List<ScheduledInstancesPrivateIpAddressConfig>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SecondaryPrivateIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of secondary private IPv4 addresses.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of secondary private IPv4 addresses.</p>
@param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withSecondaryPrivateIpAddressCount",
"getterDocumentation" : "/**<p>The number of secondary private IPv4 addresses.</p>
@return The number of secondary private IPv4 addresses. */",
"getterMethodName" : "getSecondaryPrivateIpAddressCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddressConfigs",
"setterDocumentation" : "/**<p>The private IPv4 addresses.</p>
@param privateIpAddressConfigs The private IPv4 addresses. */",
"setterMethodName" : "setPrivateIpAddressConfigs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesPrivateIpAddressConfig>",
  "variableName" : "privateIpAddressConfigs",
  "variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesPrivateIpAddressConfig>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesPrivateIpAddressConfig>"
},
"simple" : false,
"http": { 
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "SecondaryPrivateIpAddressCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecondaryPrivateIpAddressCount",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SecondaryPrivateIpAddressCount",
"setterDocumentation": "/**\n\t* The number of secondary private IPv4 addresses.\n\t* @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.*/",
"setterMethodName": "setSecondaryPrivateIpAddressCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "secondaryPrivateIpAddressCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**\n\t* The number of secondary private IPv4 addresses.\n\t* @param secondaryPrivateIpAddressCount The number of secondary private IPv4 addresses.\n\t* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "secondaryPrivateIpAddressCount",
  "variableType": "Integer",
  "documentation": "<p>The number of secondary private IPv4 addresses.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
{ 
  "c2jName": "AssociatePublicIpAddress",
  "c2jShape": "Boolean"
"deprecated" : false,
"documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssociatePublicIpAddress",
"getterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>
@return Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.*/",
"getterMethodName" : "getAssociatePublicIpAddress",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AssociatePublicIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AssociatePublicIpAddress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AssociatePublicIpAddress",
"setterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a
VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a
new network interface, not an existing one. You cannot specify more than one network interface in the request. If
launching into a default subnet, the default value is <code>true</code>.
</p>\n@param associatePublicIpAddress
Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only
be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one.
You cannot specify more than one network interface in the request. If launching into a default subnet, the default
value is <code>true</code::.*/",
"setterMethodName" : "setAssociatePublicIpAddress",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether to assign a public IPv4 address to instances launched
in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a
new network interface, not an existing one. You cannot specify more than one network interface in the request. If
launching into a default subnet, the default value is <code>true</code>.
</p>\n@param associatePublicIpAddress
Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only
be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one.
You cannot specify more than one network interface in the request. If launching into a default subnet, the default
value is <code>true</code>.
\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "associatePublicIpAddress",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The
public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network
interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a
default subnet, the default value is <code>true</code>. </p>
\n@returns {\n  * The IDs of one or more security groups.
  * @param groups The IDs
  */
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Groups",
"c2jShape" : "ScheduledInstancesSecurityGroupIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>\n@returns {\n  * The IDs of one or more security groups.
  * @param groups The IDs
  */
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
\n* @return Returns a reference to this object so that method calls can be chained
together.*/
  "variableSetterType" : "Boolean"
},
"simple" : true,
of one or more security groups.

```java
@Retention(RetentionPolicy.RUNTIME)
public @interface SecurityGroupReference {
    String value();
    String prefix();
    String delimiter();
    boolean override();
    boolean autoCreate();
}
```

The IDs of one or more security groups.

```java
public List<String> getGroups();
```

Returns a reference to this object so that method calls can be chained together.

```java
public SecurityGroupReference withGroups(String... groups)
```

The IDs of one or more security groups.

```java
public SecurityGroupReference withGroups(List<String> groups)
```

Returns a reference to this object so that method calls can be chained together.

```java
public List<String> getGroupList();
```

The IDs of one or more security groups.

```java
public SecurityGroupReference withGroupList(List<String> groupList)
```

Returns a reference to this object so that method calls can be chained together.

```java
public String getGroupName();
```

The name of this security group.

```java
public SecurityGroupReference withGroupName(String name)
```

Returns a reference to this object so that method calls can be chained together.
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "SecurityGroupId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SecurityGroupId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"memberLocationName": "SecurityGroupId",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setGroups(java.util.Collection)] or [@link #withGroups(java.util.Collection)] if you want to override the existing values.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "groups",
  "variableType" : "java.util.List<String>",
  "documentation" : "The IDs of one or more security groups.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>
@returns Indicates whether to delete the interface when the instance is terminated.*/",
"getterMethodName" : "getDeleteOnTermination",
"getterModel" : {

"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "DeleteOnTermination",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DeleteOnTermination",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteOnTermination",
"setterDocumentation": "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.</p>*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "deleteOnTermination",
"variableType": "Boolean",
"documentation": "",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether to delete the interface when the instance is terminated.</p>@param deleteOnTermination Indicates whether to delete the interface when the instance is terminated.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "deleteOnTermination",
"variableType": "Boolean",
"documentation": "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "Ipv6Addresses",
  "c2jShape" : "ScheduledInstancesIpv6AddressList",
  "deprecated" : false,
  "documentation" : "<p>One or more specific IPv6 addresses from the subnet range.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p><\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6Addresses",
  "getterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p><\n@return One or more specific IPv6 addresses from the subnet range.*/",
  "getterMethodName" : "getIpv6Addresses",
  "getterModel" : {
    "returnType" : "java.util.List<ScheduledInstancesIpv6Address>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6Address",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Ipv6Address",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "ScheduledInstancesIpv6Address",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "java.util.List<ScheduledInstancesIpv6Address>",
        "documentation" : null
      }
    }
  },
"getterMethodName" : "getMember",
"getterModel" : {
    "returnType" : "ScheduledInstancesIpv6Address",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6Address",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Ipv6Address",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ScheduledInstancesIpv6Address",
    "variableName" : "member",
    "variableType" : "ScheduledInstancesIpv6Address",
    "documentation" : "",
    "simpleType" : "ScheduledInstancesIpv6Address",
    "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
    "variableDeclarationType" : "ScheduledInstancesIpv6Address",
    "variableName" : "member",
    "variableType" : "ScheduledInstancesIpv6Address",
    "documentation" : "",
    "simpleType" : "ScheduledInstancesIpv6Address",
    "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"xmlNameSpaceUri" : null
"memberLocationName" : "Ipv6Address",
"memberType" : "ScheduledInstancesIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
"templateType" : "java.util.List<ScheduledInstancesIpv6Address>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p>
@param
ipv6Addresses One or more specific IPv6 addresses from the subnet range.*\*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesIpv6Address>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p><h>NOTE:</h> This method appends the values to the existing list (if any). Use { @link #setIpv6Addresses(java.util.Collection)) or { @link #withIpv6Addresses(java.util.Collection)) if you want to override the existing values.<p/>
*\*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
  "documentation" : "<p>One or more specific IPv6 addresses from the subnet range.</p>",
  "simpleType" : "List<ScheduledInstancesIpv6Address>",
  "variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "Ipv6AddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "\/**\p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n\n@returns The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\*/",
"fluentSetterMethodName" : "withIpv6AddressCount",
"getterDocumentation" : "\/**\p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n\n@returns The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\*/",
"getterMethodName" : "getIpv6AddressCount",
"getterModel" : { 
   "returnType" : "Integer",
   "documentation" : null
 },
"http" : { 
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Ipv6AddressCount",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Ipv6AddressCount",
   "uri" : false
 },
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6AddressCount",
"setterDocumentation" : "\/**\p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n\n@returns Returns a reference to this object so that method calls can be chained together.\*/",
"setterMethodName" : "setIpv6AddressCount",
"setterModel" : { 
   "variableDeclarationType" : "Integer",
   "variableName" : "ipv6AddressCount",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
 },
"simple": true,

"varargSetterDocumentation": "/**<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",

"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "ipv6AddressCount",
  "variableType": "Integer",
  "documentation": "<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},

"xmlNameSpaceUri": null

},

"membersAsMap": {
  "AssociatePublicIpAddress": {
    "c2jName": "AssociatePublicIpAddress",
    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

    "getterDocumentation": "/**<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.<p>

    "getterMethodName": "getAssociatePublicIpAddress",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "AssociatePublicIpAddress",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AssociatePublicIpAddress",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "AssociatePublicIpAddress",
"setterDocumentation": "/**\n * Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can
only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing
one. You cannot specify more than one network interface in the request. If launching into a default subnet, the
default value is <code>true</code>.\n */
 @param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can
only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing
one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default
value is <code>true</code>.\n @return Returns a reference to this object so that method calls can be chained
 */",
"setterMethodName": "setAssociatePublicIpAddress",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "associatePublicIpAddress",
  "variableType": "AssociatePublicIpAddress",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n * Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can
only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing
one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default
value is <code>true</code>.\n */
 @param associatePublicIpAddress Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can
only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing
one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default
value is <code>true</code>.\n @return Returns a reference to this object so that method calls can be chained
 */
 @param return Returns a reference to this object so that method calls can be chained
 */"
Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is `<code>true</code>`.

```java
public class AssociatePublicIpAddressRequest {
    // ...
    public void setAssociatePublicIpAddress(Boolean associatePublicIpAddress) {
        // ...
    }
}
```
"listModel": null,
"map": false,
"mapModel": null,
"name": "DeleteOnTermination",
"setterDocumentation": "/**\n* Indicates whether to delete the interface when the instance is
terminated.\n*/\n@param deleteOnTermination Indicates whether to delete the interface when the instance is
terminated.*/",
"setterMethodName": "setDeleteOnTermination",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**\n* Indicates whether to delete the interface when the instance is
terminated.\n*/\n@param deleteOnTermination Indicates whether to delete the interface when the instance is
terminated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "deleteOnTermination",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"Description": {
  "c2jName": "Description",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The description.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "<p>The description.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withDescription",
  "getterDocumentation": "<p>The description.\n@return The description.*/",
  "getterMethodName": "getDescription",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n* The description.
\n@param description The description.
*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The description.
\n@param description The description.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The description.
\n@param description The description.
\n@return Returns a reference to this object so that method calls can be chained together.
*/",
"DeviceIndex" : {
  "c2jName" : "DeviceIndex",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The index of the device for the network interface attachment.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The index of the device for the network interface
attachment.\n@ param deviceIndex The index of the device for the network interface attachment.\n@ return
Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withDeviceIndex",
"getterDocumentation" : "/**<p>The index of the device for the network interface attachment.\n</p>@return
The index of the device for the network interface attachment. */",
"getterMethodName" : "getDeviceIndex",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DeviceIndex",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DeviceIndex",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceIndex",
"setterDocumentation" : "/**<p>The index of the device for the network interface attachment.\n</p>@param deviceIndex The index of the device for the network interface attachment. */",
"setterMethodName" : "setDeviceIndex",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "deviceIndex",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The index of the device for the network interface attachment.\n</p>@param deviceIndex The index of the device for the network interface attachment.\n@ return
Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableType" : "Integer"}
"variableName" : "deviceIndex",
"variableType" : "Integer",
"documentation" : "<p>The index of the device for the network interface attachment.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"Groups" : {
"c2jName" : "Groups",
"c2jShape" : "ScheduledInstancesSecurityGroupIdSet",
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : " */<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : " */<p>The IDs of one or more security groups.</p>
@return The IDs of one or more security groups.
",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Group",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Group",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"documentation" : "<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterDocumentation" : " */<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withGroups",
"getterDocumentation" : " */<p>The IDs of one or more security groups.</p>
@return The IDs of one or more security groups.
",
"getterMethodName" : "getGroups",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Group",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Group",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SecurityGroupId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "SecurityGroupId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Groups",
"setterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
@param groups The IDs of one or more security groups.*/",
"setterMethodName" : "setGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IDs of one or more security groups.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setGroups(java.util.Collection)} or {@link #withGroups(java.util.Collection)} if you want to override the existing values.</p>
@param groups The IDs of one or more security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "groups",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The IDs of one or more security groups.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
"xmlNameSpaceUri" : null
},
"Ipv6AddressCount" : {
  "c2jName" : "Ipv6AddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n  @param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation" : "GetIpv6AddressCount",
  "getterMethodName" : "getIpv6AddressCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6AddressCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Ipv6AddressCount",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Ipv6AddressCount",
  "setterDocumentation" : "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n  @param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "setterMethodName" : "setIpv6AddressCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>\n@param ipv6AddressCount The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "ipv6AddressCount",
    "variableType" : "Integer",
    "documentation" : "The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range."
},
"xmlNameSpaceUri" : null
},
"Ipv6Addresses" : {
    "c2jName" : "Ipv6Addresses",
    "c2jShape" : "ScheduledInstancesIpv6AddressList",
    "deprecated" : false,
    "documentation" : "One or more specific IPv6 addresses from the subnet range.
@param ipv6Addresses One or more specific IPv6 addresses from the subnet range.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6Addresses",
"getterDocumentation" : "/**\n<p>One or more specific IPv6 addresses from the subnet range.</p>\n@return One or more specific IPv6 addresses from the subnet range.*/",
"getterMethodName" : "getIpv6Addresses",
"getterModel" : {
    "returnType" : "java.util.List<ScheduledInstancesIpv6Address>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Address",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Ipv6Address",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "ScheduledInstancesIpv6Address",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n* @param member
* @return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n* @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "ScheduledInstancesIpv6Address",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Ipv6Address",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Ipv6Address",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ScheduledInstancesIpv6Address",
  "variableName" : "member",
  "variableType" : "ScheduledInstancesIpv6Address",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesIpv6Address",
  "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "ScheduledInstancesIpv6Address",
  "variableName" : "member",
  "variableType" : "ScheduledInstancesIpv6Address",
  "documentation" : "",
  "simpleType" : "ScheduledInstancesIpv6Address",
  "variableSetterType" : "ScheduledInstancesIpv6Address"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "Ipv6Address",
"memberType" : "ScheduledInstancesIpv6Address",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "ScheduledInstancesIpv6Address",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
"templateType" : "java.util.List<ScheduledInstancesIpv6Address>
},
"map" : false,
"mapModel" : null,
"name" : "Iprv6Addresses",
"setterDocumentation" : "/**<p>One or more specific IPv6 addresses from the subnet range.</p>
@param ipv6Addresses One or more specific IPv6 addresses from the subnet range.</p>*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
  "documentation" : "",
  "simpleType" : "List<ScheduledInstancesIpv6Address>",
"xmlNameSpaceUri" : null
}
"variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>",
"simple" : false,
"varargSetterDocumentation" : "/*<p>One or more specific IPv6 addresses from the subnet range.\n*/\n\<p>\n\<b>NOTE:</b> This method appends the values to the existing list (if any). Use \{@link 
#setIpv6Addresses(java.util.Collection)\} or \{@link 
#withIpv6Addresses(java.util.Collection)\} if you want to 
override the existing values.\n\<p>\n\<param name="ipv6Addresses" One or more specific IPv6 addresses from the subnet range.\n\<p>\n\<return Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<ScheduledInstancesIpv6Address>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<ScheduledInstancesIpv6Address>",
"documentation" : "<p>One or more specific IPv6 addresses from the subnet range.\</p>",
"simpleType" : "List<ScheduledInstancesIpv6Address>",
"variableSetterType" : "java.util.Collection<ScheduledInstancesIpv6Address>",
"xmlNameSpaceUri" : null
},

"NetworkInterfaceId" : {
"c2jName" : "NetworkInterfaceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the network interface.\n*/\n\<param name="networkInterfaceId" The ID of the network interface.\n\<p>\n\<return Returns a reference to this object so that method calls can be chained together.*/",

"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/*<p>The ID of the network interface.\n*/\n\<p>\n\<return The ID of the network interface.\n\</p>",

"getMethodName" : "getNetworkInterfaceId",
"getModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterfaceId",
"xmlNameSpaceUri" : empty
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PrivateIpAddress" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
  @param privateIpAddress The IPv4 address of the network interface within the subnet.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddress",
  "getterDocumentation" : "/**<p>The IPv4 address of the network interface within the subnet.</p>
  @param privateIpAddress The IPv4 address of the network interface within the subnet.</p>
  @return The IPv4 address of the network interface within the subnet.</p>\n  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterModel" : {
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"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false
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"name" : "PrivateIpAddress",
"setterDocumentation" : "/**
<p>The IPv4 address of the network interface within the subnet.</p>
@param privateIpAddress The IPv4 address of the network interface within the subnet.</p>

@returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The IPv4 address of the network interface within the subnet.</p>

@returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"PrivateIpAddressConfigs" : {
  "c2jName" : "PrivateIpAddressConfigs",
  "c2jShape" : "PrivateIpAddressConfigSet",
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 addresses.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The private IPv4 addresses.</p>
  @param privateIpAddressConfigs
  @return Returns a reference to this object so that method calls can be chained
  together.*/",
  "fluentSetterMethodName" : "withPrivateIpAddressConfigs",
  "getterDocumentation" : "/**<p>The private IPv4 addresses.</p>
  @return The private IPv4 addresses.</p>",
  "getterMethodName" : "getPrivateIpAddressConfigs",
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    "documentation" : null
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      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : 
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"returnType" : "ScheduledInstancesPrivateIpAddressConfig",
"documentation" : null
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"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddressConfigSet",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
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"setterModel" : {
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"variableName" : "member",
"variableType" : "ScheduledInstancesPrivateIpAddressConfig",
"documentation" : "",
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"variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
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method calls can be chained together.*/",
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"variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
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"xmlNameSpaceUri" : null
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"simple" : false,
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"templateType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>"
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"name" : "PrivateIpAddressConfigs",
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"setterMethodName" : "setPrivateIpAddressConfigs",
"setterModel" : {
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  "variableName" : "privateIpAddressConfigs",
  "variableType" : "java.util.List<ScheduledInstancesPrivateIpAddressConfig>"
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"xmlNameSpaceUri" : null
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  "c2jName" : "SecondaryPrivateIpAddressCount",
  "c2jShape" : "Integer",
  "documentation" : "<p>The private IPv4 addresses.</p>
  @link withSecondaryIpAddressCount(java.util.Collection) if you want to override the existing values.
  @return Returns a reference to this object so that method calls can be chained together."/!",
  "variable" : {
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"SecondaryPrivateIpAddressCount" : {
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  "c2jShape" : "Integer",
  "deprecated" : false,
this object so that method calls can be chained together.

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    "enumType" : null,
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    @return Returns a reference to this object so that method calls can be chained together.
    
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    "getterDocumentation" : "The ID of the subnet.
    @return The ID of the subnet.
    
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "SubnetId",
    "setterDocumentation" : "The ID of the subnet.
    @param subnetId The ID of the subnet.
    
    setterMethodName" : "withSubnetId",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The ID of the subnet.
 */

@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The Availability Zone.</p>
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  "getterModel" : { 
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    "documentation" : null
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "AvailabilityZone",
    "uri" : false
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AvailabilityZone",
  "setterDocumentation" : "/**<p>The Availability Zone.</p>
@<param availabilityZone The Availability Zone.
*/",
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@<param availabilityZone The Availability Zone.
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    "setterName" : "AvailabilityZone",
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    "versionWrapper" : false
  }
}];
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    "variableSetterType" : "String"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>The Availability Zone.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "c2jShape" : "String",
    "deprecated" : false,
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    "fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
    @param groupName The name of the placement group.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupName",
    "getterDocumentation" : "/**<p>The name of the placement group.</p>
    @return The name of the placement group.*/",
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    "getterModel" : {
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        "documentation" : null
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        "isStreaming" : false,
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    }
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"list" : false,
"listModel" : null,
"map" : false,
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@param groupName The name of the placement group.
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  "variableSetterType" : "String"
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<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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    "documentation" : "<p>The Availability Zone.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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    "getterDocumentation" : "/**
<p>The Availability Zone.</p>
@return The Availability Zone.
*/",
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    "getterModel" : {
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      "result" : "AvailabilityZone"
    }
  }
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 "isStreaming" : false,
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 "statusCode" : false,
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 "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
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@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
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 "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The Availability Zone.</p>
@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"c2jShape" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the placement group.</p>
@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group.</p>
@return The name of the placement group.*/",
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"getterModel" : {
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   "documentation" : null
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   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
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   "statusCode" : false,
   "unmarshallLocationName" : "GroupName",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
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@param groupName The name of the placement group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"unmarshaller": {
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  "resultWrapper": null
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  "variableType": "ScheduledInstancesPlacement",
  "documentation": null,
  "simpleType": "ScheduledInstancesPlacement",
  "variableSetterType": "ScheduledInstancesPlacement"
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"wrapper": false
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"ScheduledInstancesPrivateIpAddressConfig": {
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  "customization": {
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
  "documentation": "<p>Describes a private IPv4 address for a Scheduled Instance.</p>",
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  "errorCode": null,
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  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
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"c2jShape" : "String",
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"documentation" : "<p>The IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 address.</p>
@param privateIpAddress The IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "/**<p>The IPv4 address.</p>
@return The IPv4 address.*/",
"getterMethodName" : "getPrivateIpAddress",
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"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PrivateIpAddress",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PrivateIpAddress",
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@return The IPv4 address.*/",
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv4 address.
 * @param privateIpAddress The IPv4 address.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "privateIpAddress",
"variableType" : "String",
"documentation" : "The IPv4 address.
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address."
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.
 * @param primary Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**\n * Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.
 * @return Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.
 */",
"getterMethodName" : "getPrimary",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
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IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.*/",
"setterMethodName" : "setPrimary",
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"variableSetterType" : "Boolean"
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secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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address.</p>",
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secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
"fluentSetterMethodName" : "withPrimary",
"getterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@return Indicates whether this is a primary IPv4 address. Otherwise, this is a

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secondary IPv4 address.*/",
"getterMethodName" : "getPrimary",
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"returnType" : "Boolean",
"documentation" : null
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "Primary",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Primary",
"setterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.*/",
"setterMethodName" : "setPrimary",
"setterModel" : {
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"variableName" : "primary",
"variableType" : "Boolean",
"documentation" : "",
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"variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a
secondary IPv4 address.</p>\n@param primary Indicates whether this is a primary IPv4 address. Otherwise, this is
a secondary IPv4 address.\n@return Returns a reference to this object so that method calls can be chained
together.*/",
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"variableDeclarationType" : "Boolean",
"variableName" : "primary",
"variableType" : "Boolean",

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"documentation" : "\p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.\p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "\p>The IPv4 address.\p>",
"enumType" : null,
"fluentSetterDocumentation" : "*/\p>The IPv4 address.*/\p>\n@\param privateIpAddress The IPv4 address.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddress",
"getterDocumentation" : "*/\p>The IPv4 address.*/\p>\n@\return The IPv4 address.*/",
"getterMethodName" : "getPrivateIpAddress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
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"statusCode" : false,
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"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "*/\p>The IPv4 address.*/\p>\n@\param privateIpAddress The IPv4 address.*/",
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"setterModel" : {
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"variableSetterType" : "Boolean"}
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"documentation" : "",
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"variableSetterType" : "String"
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@param privateIpAddress The IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
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"unmarshaller" : {
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"variableName" : "scheduledInstancesPrivateIpAddressConfig",
"variableType" : "ScheduledInstancesPrivateIpAddressConfig",
"documentation" : null,
"simpleType" : "ScheduledInstancesPrivateIpAddressConfig",
"variableSetterType" : "ScheduledInstancesPrivateIpAddressConfig"
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"wrapper" : false
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"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
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"deprecated" : false,
"documentation" : "",
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"name": "AvailabilityZone",
"value": "Availability Zone"
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"name": "Region",
"value": "Region"
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"required": null,
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  "variableType": "Scope",
  "documentation": null,
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  "variableSetterType": "Scope"
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"c2jShape": "String",
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"documentation": "<p>The AWS account ID of the owner of the security group.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The AWS account ID of the owner of the security group.</p>
@param
ownerId The AWS account ID of the owner of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withOwnerId",
"getterDocumentation": "/**<p>The AWS account ID of the owner of the security group.</p>
@return The AWS account ID of the owner of the security group.*/",
"getterMethodName": "getOwnerId",
"getterModel": {
"returnType": "String",
"documentation": null
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"flattened": false,
"greedy": false,
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"statusCode": false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
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@param
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOwnerId",
"setterModel": {
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"variableName": "ownerId",
"variableType": "String",
"documentation": "",
"simpleType": "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the security group.</p>
@param
ownerId The AWS account ID of the owner of the security group.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableType" : "String",
"documentation" : "<p>The AWS account ID of the owner of the security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The name of the security group.</p>
@param groupName The name of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the security group.</p>
@return The name of the security group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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  "documentation": ": "",
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  "getterDocumentation": "/**\p><p>The ID of the security group.</p><p>@return The ID of the security group.</p>*/",
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  "getterModel": {
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    "documentation": null
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"isStreaming" : false,
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"map" : false,
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "The ID of the security group.\n\n<p>A description of the security group.</p>\n@param description A description of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A description of the security group.</p>\n@param description A description of the security group.\n@return Returns a reference to this object so that method calls can be chained together.\n"",
"fluentSetterMethodName" : "withDescription",}
"getterDocumentation" : "/**<p>A description of the security group.</p>
@return A description of the security group.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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    "documentation" : null
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "groupDescription",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>A description of the security group.</p>
@param description A description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>A description of the security group.</p>
@param description A description of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "String",
    "documentation" : "<p>A description of the security group.</p>"};
"c2jName" : "IpPermissions",
"c2jShape" : "IpPermissionList",
"deprecated" : false,
"documentation" : "<p>One or more inbound rules associated with the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
@return One or more inbound rules associated with the security group.*/",
"getterMethodName" : "getIpPermissions",
"getterModel" : {
"returnType" : "java.util.List<IpPermission>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flatTened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "IpPermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that...
method calls can be chained together.*/*",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/*",
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  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission"
"variableSetterType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissions",
"setterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
@param ipPermissions One or more inbound rules associated with the security group.*/",
"setterMethodName" : "setIpPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \[@link #setIpPermissions(java.util.Collection)\] or \[@link #withIpPermissions(java.util.Collection)\] if you want to override the existing values.</p>
@param ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "ipPermissions",
"variableType" : "java.util.List<IpPermission>",
"documentation" : "<p>One or more inbound rules associated with the security group.</p>",
"simpleType" : "List<IpPermission>",
"variableSetterType" : "java.util.Collection<IpPermission>"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "IpPermissionsEgress",
"c2jShape" : "IpPermissionList"}
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpPermissionsEgress",
"getterDocumentation" : "/**<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
\n@returns [EC2-VPC] One or more outbound rules associated with the security group.*/",
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"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpPermissionsEgress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipPermissionsEgress",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "IpPermission",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\n@returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\n@return *
\n@returns
\n@param member
\n@returns
\nReturns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "IpPermission",
      "documentation" : null
    }
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "IpPermission",
  "variableName" : "member",
  "variableType" : "IpPermission",
  "documentation" : "",
  "simpleType" : "IpPermission",
  "variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "IpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType" : "java.util.List<IpPermission>",
},
"map" : false,
"mapModel" : null,
"name" : "IpPermissionsEgress",
"setterDocumentation" : "/*\*\*<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>\n@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security group.*/",
"setterMethodName" : "setIpPermissionsEgress",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissionsEgress",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>",
},
"simple" : false,
"varargSetterDocumentation" : "/*\*\*<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>\n@NOTE: This method appends the values to the existing list (if any). Use { @link #setIpPermissionsEgress(java.util.Collection)} or { @link #withIpPermissionsEgress(java.util.Collection)} if you want to override the existing values.</p>\n@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
  "variableName" : "ipPermissionsEgress",
  "variableType" : "java.util.List<IpPermission>",
  "documentation" : "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>",
  "simpleType" : "List<IpPermission>",
  "variableSetterType" : "java.util.Collection<IpPermission>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the VPC for the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*\*\*<p>[EC2-VPC] The ID of the VPC for the security group.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/"
method calls can be chained together.*/

"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@return [EC2-VPC] The ID of the VPC for the security group.*/

"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@param vpcId [EC2-VPC] The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/

"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>
@param vpcId [EC2-VPC] The ID of the VPC for the security group.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"variableType" : "String",
"documentation" : "<p>[EC2-VPC] The ID of the VPC for the security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
], {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>Any tags assigned to the security group.</p>
@param tags Any tags assigned to the security group.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/** <p>Any tags assigned to the security group.</p>
@return Any tags assigned to the security group.</p>"
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "**

"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag"}
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the security group.</p><@param tags Any tags assigned to the security group.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the security group.</p><@p>This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p><@param tags Any tags assigned to the security group.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the security group.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Description" : {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description of the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A description of the security group.</p>@param description A
description of the security group.</param><p>@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**<p>A description of the security group.</p>@return A description of
the security group.</p>*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupDescription",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupDescription",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Description",
  "setterDocumentation" : "/**<p>A description of the security group.</p>@param description A
description of the security group.</param>*/",
  "setterMethodName" : "setDescription",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple": true,
"varargSetterDocumentation": "/**\n* A description of the security group.
*\n* @param description A description of the security group.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": "<p>A description of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"GroupId": {
  "c2jName": "GroupId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n* The ID of the security group.
*\n* @param groupId The ID of the security group.
*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withGroupId",
  "getterDocumentation": "/**\n* The ID of the security group.
*\n* @return The ID of the security group.*/",
  "getterMethodName": "getGroupId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "GroupId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "groupId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"GroupName" : {
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*\n@param groupName The name of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "/*\n@return The name of the security group.*/",
  "getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"setterDocumentation" : /**\n<p>The name of the security group.</p>
@param groupName The name of the
security group.</n>*/,
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**\n<p>The name of the security group.</p>
@param groupName The name of the
security group.
@return Returns a reference to this object so that method calls can be chained together.*/,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"IpPermissions" : {
  "c2jName" : "IpPermissions",
  "c2jShape" : "IpPermissionList",
  "deprecated" : false,
  "documentation" : "<p>One or more inbound rules associated with the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : /**\n<p>One or more inbound rules associated with the security
group.</p>
@param ipPermissions One or more inbound rules associated with the security group.
@return

Returns a reference to this object so that method calls can be chained together. */

    "fluentSetterMethodName" : "withIpPermissions",
    "getterDocumentation" : "/**<p>One or more inbound rules associated with the security group.</p>
    @return One or more inbound rules associated with the security group.*/",
    "getterMethodName" : "getIpPermissions",
    "getterModel" : {
        "returnType" : "java.util.List<IpPermission>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "IpPermissions",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ipPermissions",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : true,
    "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
            "c2jName" : "member",
            "c2jShape" : "IpPermission",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**\n @param member \n @return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName" : "withMember",
            "getterDocumentation" : "/**\n @return */",
            "getterMethodName" : "getMember",
            "getterModel" : {
                "returnType" : "IpPermission",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "IpPermission",
"variableName" : "member",
"variableType" : "IpPermission",
"documentation" : "",
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IpPermission",
"variableName" : "member",
"variableType" : "IpPermission",
"documentation" : "",
"simpleType" : "IpPermission",
"variableSetterType" : "IpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "IpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"superclass": "com.amazonaws.internal.SdkInternalList<IpPermission>"}];
"templateImplType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"templateType": "java.util.List<IpPermission>",
"map": false,
"mapModel": null,
"name": "IpPermissions",
"setterDocumentation": "/**
 * One or more inbound rules associated with the security group.
 */
@param
ipPermissions One or more inbound rules associated with the security group.
*/"

, "setterMethodName": "setIpPermissions",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * One or more inbound rules associated with the security group.
 * NOTE: This method appends the values to the existing list (if any). Use
 * @link #setIpPermissions(java.util.Collection) or @link #withIpPermissions(java.util.Collection)
 * if you want to override the existing values.
 */
@param
ipPermissions One or more inbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.
*/"

, "variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "One or more inbound rules associated with the security group.
"",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri": null
},
"IpPermissionsEgress": {
"c2jName": "IpPermissionsEgress",
"c2jShape": "IpPermissionList",
"deprecated": false,
"documentation": "One or more outbound rules associated with the security group.
"",
"enumType": null,
"fluuentSetterDocumentation": "/**
 * One or more outbound rules associated with the security group.
 */
@return
IpPermissionsEgress One or more outbound rules associated with the security group.
@returns
IpPermissionsEgress
[EC2-VPC] One or more outbound rules associated with the security group.
*/"

, "fluuentSetterMethodName": "withIpPermissionsEgress",
"getterDocumentation": "/**
 * One or more outbound rules associated with the security group.
 */
@returns
IpPermissionsEgress
[EC2-VPC] One or more outbound rules associated with the security group.
*/"

, "getterMethodName": "getIpPermissionsEgress",
"getterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * One or more outbound rules associated with the security group.
 */
@returns
IpPermissionsEgress
[EC2-VPC] One or more outbound rules associated with the security group.
*/"

, "variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<IpPermission>",
"variableName": "ipPermissions",
"variableType": "java.util.List<IpPermission>",
"documentation": "One or more outbound rules associated with the security group.
"",
"simpleType": "List<IpPermission>",
"variableSetterType": "java.util.Collection<IpPermission>"
},
"xmlNameSpaceUri": null
}
"name" : "IpPermissionsEgress",
"setterDocumentation" : "/**<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security group.*/",
"setterMethodName" : "setIpPermissionsEgress",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
 "variableName" : "ipPermissionsEgress",
 "variableType" : "java.util.List<IpPermission>",
 "documentation" : "",
 "simpleType" : "List<IpPermission>",
 "variableSetterType" : "java.util.Collection<IpPermission>",
"simple" : false,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpPermissionsEgress(java.util.Collection)} or { @link #withIpPermissionsEgress(java.util.Collection)} if you want to override the existing values.<p>}</b>
@param ipPermissionsEgress [EC2-VPC] One or more outbound rules associated with the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<IpPermission>",
 "variableName" : "ipPermissionsEgress",
 "variableType" : "java.util.List<IpPermission>",
 "documentation" : "<p>[EC2-VPC] One or more outbound rules associated with the security group.</p>
"simpleType" : "List<IpPermission>",
 "variableSetterType" : "java.util.Collection<IpPermission>",
"xmlNameSpaceUri" : null,
"OwnerId" : {
 "c2jName" : "OwnerId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The AWS account ID of the owner of the security group.</p>
"enumType" : null,
 "fluentSetterDocumentation" : "/**<p>The AWS account ID of the owner of the security group.</p>
@param ownerId The AWS account ID of the owner of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withOwnerId",
 "getterDocumentation" : "/**<p>The AWS account ID of the owner of the security group.</p>
@return The AWS account ID of the owner of the security group.*/",
 "getterMethodName" : "getOwnerId",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the owner of the security group.</p>
@param ownerId The AWS account ID of the owner of the security group.</p>*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the owner of the security group.</p>
@param ownerId The AWS account ID of the owner of the security group.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the owner of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "c2jName" : "Tags",
  "c2jShape" : "TagList"
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Any tags assigned to the security group.</p>*/
@returns A reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/*<p>Any tags assigned to the security group.</p>*/
@returns Any tags assigned to the security group.
",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>@param member <p>*/
    @returns A reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/*<p>@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    }
  }
}
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"
},
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**
 * Any tags assigned to the security group.
 */
@param tags Any tags assigned to the security group.*",
"setterMethodName": "setTags",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "",
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**
 * Any tags assigned to the security group.
 */
@param tags Any tags assigned to the security group.

NOTE:
This method appends the values to the existing list (if any). Use {
@link #setTags(java.util.Collection)} or {
@link #withTags(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName": "tags",
"variableType": "java.util.List<Tag>",
"documentation": "<p>Any tags assigned to the security group.</p>
"simpleType": "List<Tag>",
"variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},
"VpcId": {
"c2jName": "VpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>[EC2-VPC] The ID of the VPC for the security group.</p>
"enumType": null,
"fluentSetterDocumentation": "/**
 * The ID of the VPC for the security group.
 */
@param vpcId [EC2-VPC] The ID of the VPC for the security group.

@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName": "withVpcId"
"getterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>\n@return [EC2-VPC] The ID of the VPC for the security group.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>\n@param vpcId [EC2-VPC] The ID of the VPC for the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>[EC2-VPC] The ID of the VPC for the security group.</p>\n@param vpcId [EC2-VPC] The ID of the VPC for the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>[EC2-VPC] The ID of the VPC for the security group.</p>"
"simpleType": "String",
"variableSetterType": "String",
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "SecurityGroup",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "SecurityGroup",
"variableName": "securityGroup",
"variableType": "SecurityGroup",
"documentation": null,
"simpleType": "SecurityGroup",
"variableSetterType": "SecurityGroup"
},
"wrapper": false
},
"SecurityGroupReference": {
"c2jName": "SecurityGroupReference",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "Describes a VPC with a security group that references your security group.

<p>The ID of your security group.</p>
"enumType": null,
"fluentSetterDocumentation": "The ID of your security group.

"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "GroupId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of your security group.

"enumType": null,
"fluentSetterDocumentation": "The ID of your security group."}
security group.

@return Returns a reference to this object so that method calls can be chained together.

@F

"fluentSetterMethodName" : "withGroupId",

"getterDocumentation" : "/**<p>The ID of your security group.</p>

@return The ID of your security group.</p>*/",

"getterMethodName" : "getGroupId",

"getterModel" : {

"returnType" : "String",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocationName" : "GroupId",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "groupId",

"uri" : false

},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "GroupId",

"setterDocumentation" : "/**<p>The ID of your security group.</p>

@param groupId The ID of your security group.

@return Returns a reference to this object so that method calls can be chained together.*/",

"setterMethodName" : "setGroupId",

"setterModel" : {

"variableDeclarationType" : "String",

"variableName" : "groupId",

"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"

},

"simple" : true,

"varargSetterDocumentation" : "/**<p>The ID of your security group.</p>

@vararg(groupId) The ID of your security group.

@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {

"variableDeclarationType" : "String",

"variableName" : "groupId",

"variableType" : "String",

"documentation" : "",

"simpleType" : "String",

"variableSetterType" : "String"}
"documentation": "<p>The ID of your security group.</p>",
"simpleType": "String",
"variableSetterType": "String",
},
"xmlNameSpaceUri": null,
},
"c2jName": "ReferencingVpcId",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The ID of the VPC with the referencing security group.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The ID of the VPC with the referencing security group.</p>
@param referencingVpcId The ID of the VPC with the referencing security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withReferencingVpcId",
"getterDocumentation": "/**<p>The ID of the VPC with the referencing security group.</p>
@return The ID of the VPC with the referencing security group.*/",
"getterMethodName": "getReferencingVpcId",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "ReferencingVpcId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "referencingVpcId",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "ReferencingVpcId",
"setterDocumentation": "/**<p>The ID of the VPC with the referencing security group.</p>
@param referencingVpcId The ID of the VPC with the referencing security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setReferencingVpcId",
"setterModel": {
"variableDeclarationType": "String",
"variableSetterType": "String"}
"variableName" : "referencingVpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@param referencingVpcId The ID of the VPC with the referencing security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
"variableName" : "referencingVpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC with the referencing security group.</p>",
"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "VpcPeeringConnectionId",
   "queryString" : false,
   "statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "GroupId" : {
    "c2jName" : "GroupId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of your security group.</p>
"enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of your security group.</p>
@param
 groupId The ID of your security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withGroupId",
    "getterDocumentation" : "/**<p>The ID of your security group.</p>
@param
 groupId The ID of your security group.
@return The ID of your security group.*/",
    "getterMethodName" : "getGroupId",
    "getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**\<p>The ID of your security group.</p>\n@param groupId The ID of your security group.*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\<p>The ID of your security group.</p>\n@param groupId The ID of your security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of your security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReferencingVpcId" : {
  "c2jName" : "ReferencingVpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC with the referencing security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@<param referencingVpcId The ID of the VPC with the referencing security group.*/
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withReferencingVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@returns The ID of the VPC with the referencing security group.*/",
  "getterMethodName" : "getReferencingVpcId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ReferencingVpcId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "referencingVpcId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ReferencingVpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@returns The ID of the VPC with the referencing security group.*/",
  "setterMethodName" : "setReferencingVpcId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "referencingVpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC with the referencing security group.</p>
@param referencingVpcId The ID of the VPC with the referencing security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "referencingVpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC with the referencing security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcPeeringConnectionId" : {
  "c2jName" : "VpcPeeringConnectionId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcPeeringConnectionId",
  "getterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@return The ID of the VPC peering connection.*/",
  "getterMethodName" : "getVpcPeeringConnectionId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VpcPeeringConnectionId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcPeeringConnectionId",
    "uri" : false
  },
  "idempotencyToken" : false,
}
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*\*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "GroupId", "ReferencingVpcId" ],
"shapeName" : "SecurityGroupReference",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SecurityGroupReference",
  "variableName" : "securityGroupReference",
  "variableType" : "SecurityGroupReference",
  "documentation" : null,
  "simpleType" : "SecurityGroupReference",
  "variableSetterType" : "SecurityGroupReference"
},
"wrapper" : false
"ShutdownBehavior" : {
  "c2jName" : "ShutdownBehavior",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Stop",
    "value" : "stop"
  }, {
    "name" : "Terminate",
    "value" : "terminate"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ShutdownBehavior",
  "unmarshaller" : {
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    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "shutdownBehavior",
    "variableType" : "ShutdownBehavior",
    "documentation" : null,
    "simpleType" : "ShutdownBehavior",
    "variableSetterType" : "ShutdownBehavior"
  },
  "wrapper" : false
},
"SlotDateTimeRangeRequest" : {
  "c2jName" : "SlotDateTimeRangeRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "Stop",
    "value" : "stop"
  }, {
    "name" : "Terminate",
    "value" : "terminate"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : { },
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  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "SlotDateTimeRangeRequest",
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "SlotDateTimeRangeRequest",
    "variableName" : "slotDateTimeRangeRequest",
    "variableType" : "SlotDateTimeRangeRequest",
    "documentation" : null,
    "simpleType" : "SlotDateTimeRangeRequest",
    "variableSetterType" : "SlotDateTimeRangeRequest"
  },
  "wrapper" : false
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"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false},
"deprecated": false,
"documentation": "<p>Describes the time period for a Scheduled Instance to start its first schedule. The time period must span less than one day.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
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"c2jName": "EarliestTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withEarliestTime",
"getterDocumentation": "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>
@return The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
"getterMethodName": "getEarliestTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "EarliestTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EarliestTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EarliestTime",
"setterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.</p>*/",
"setterMethodName" : "setEarliestTime",
"setterModel" : {
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  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "withEarliestTime",
"getterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>
@return The earliest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>*/",
"getterMethodName" : "getEarliestTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null,
},
{
  "c2jName" : "LatestTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start.
This value must be later than or equal to the earliest date and at most three months in the future.</p>@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withLatestTime",
  "getterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start. This
value must be later than or equal to the earliest date and at most three months in the future.</p>@return The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.</p>*/",
  "getterMethodName" : "getLatestTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
  }
}
**LatestTime**

The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.

```java
public Date getLatestTime() {
    return latestTime;
}
```

```java
public void setLatestTime(Date latestTime) {
    this.latestTime = latestTime;
}
```

```java
public void setLatestTime(String latestTime) {
    this.latestTime = java.time.LocalDate.parse(latestTime);
}
```
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlnsSpaceUri" : null
} ]

"membersAsMap" : {
"EarliestTime" : {
"c2jName" : "EarliestTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start."",
"enumType" : null,
"fluentSetterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.\n@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.\n@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withEarliestTime",
"getterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.\n@return The earliest date and time, in UTC, for the Scheduled Instance to start.*",
"getterMethodName" : "getEarliestTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EarliestTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EarliestTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EarliestTime",
"setterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.\n@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.*",
"setterMethodName" : "setEarliestTime",
"setterModel" : {

"variableDeclarationType" : "java.util.Date",
"variableName" : "earliestTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param The earliest date and time, in UTC, for the Scheduled Instance to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
  "documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.
  \n  @param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
  \n  @return \n  Returns a reference to this object so that method calls can be chained together.*/",
  "getterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.
  \n  @return The earliest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.\n  
  @param latestTime The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getLatestTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
**Setter Documentation**:

```java
/**
 * The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.
 */
```

**Setter Model**:

```java
{ 
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "latestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}
```

**Variable**

```java
{ 
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "latestTime",
  "variableType" : "java.util.Date",
  "documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start. This value must be later than or equal to the earliest date and at most three months in the future.",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}
```

---

Open Source Used In Virtualized Voice Browser 12.6(1) 26117
"requestSignerClassFqcn" : null,
"required" : [ "EarliestTime", "LatestTime" ],
"shapeName" : "SlotDateTimeRangeRequest",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "SlotDateTimeRangeRequest",
    "variableName" : "slotDateTimeRangeRequest",
    "variableType" : "SlotDateTimeRangeRequest",
    "documentation" : null,
    "simpleType" : "SlotDateTimeRangeRequest",
    "variableSetterType" : "SlotDateTimeRangeRequest"
},
"wrapper" : false
},
"SlotStartDateTimeRangeRequest" : {
    "c2jName" : "SlotStartDateTimeRangeRequest",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes the time period for a Scheduled Instance to start its first schedule.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        "c2jName" : "EarliestTime",
        "c2jShape" : "DateTime",
        "deprecated" : false,
        "documentation" : "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>\n@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withEarliestTime",
        "getterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>\n@return The earliest date and time, in UTC, for the Scheduled Instance to start.*/",
        "getterMethodName" : "getEarliestTime",
        "getterModel" : 

"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "EarliestTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EarliestTime",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EarliestTime",
"setterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.*\*/",
"setterMethodName" : "setEarliestTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "earliestTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>
"simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
"c2jName" : "LatestTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.",
"enumType" : null,
"fluent SetterDocumentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.\n@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluent SetterMethodName" : "withLatestTime",
"getter Documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.\n@return The latest date and time, in UTC, for the Scheduled Instance to start.*/",
"getter MethodName" : "getLatestTime",
"getter Model" : {
  "returnType" : "java.util.Date",
  "documentation" : null
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  "additional UnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshall LocationName" : "LatestTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshall LocationName" : "LatestTime",
  "uri" : false
},
"idempotency Token" : false,
"list" : false,
"list Model" : null,
"map" : false,
"map Model" : null,
"name" : "LatestTime",
"setter Documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.\n@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.*/",
"setter MethodName" : "setLatestTime",
"setter Model" : {
  "variableDeclarationType" : "java.util.Date",
  "variable Name" : "latestTime",
  "variable Type" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variable Setter Type" : "java.util.Date"
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "latestTime",
    "variableType" : "java.util.Date",
    "documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.

@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlnsSpaceUri" : null
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"membersAsMap" : {
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        "c2jName" : "EarliestTime",
        "c2jShape" : "DateTime",
        "deprecated" : false,
        "documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.

@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*",
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        "fluentSetterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.

@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*",
        "fluentSetterMethodName" : "withEarliestTime",
        "getterDocumentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.

@return The earliest date and time, in UTC, for the Scheduled Instance to start.*",
        "getterMethodName" : "getEarliestTime",
        "getterModel" : {
            "returnType" : "java.util.Date",
            "documentation" : null
        }
    },
    "http" : {
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        "marshallLocationName" : "EarliestTime",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "EarliestTime",
        "uri" : false
    }
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "EarliestTime",
"setterDocumentation": "/**<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>*/
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.

setterMethodName": "setEarliestTime",
"setterModel": {
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  "variableName": "earliestTime",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/*<p>The earliest date and time, in UTC, for the Scheduled Instance to
start.</p>*/
@param earliestTime The earliest date and time, in UTC, for the Scheduled Instance to start.

variable": {
  "variableDeclarationType": "java.util.Date",
  "variableName": "earliestTime",
  "variableType": "java.util.Date",
  "documentation": "<p>The earliest date and time, in UTC, for the Scheduled Instance to start.</p>",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"LatestTime": {
  "c2jName": "LatestTime",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The latest date and time, in UTC, for the Scheduled Instance to start.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/*<p>The latest date and time, in UTC, for the Scheduled Instance to
start.</p>*/
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.

fluentSetterMethodName": "withLatestTime",
"getterDocumentation": "/*<p>The latest date and time, in UTC, for the Scheduled Instance to
start.</p>*/
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.

getterMethodName": "getLatestTime",
"getterModel": {
  "returnType": "java.util.Date",
  "documentation": null
}
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "LatestTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LatestTime",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LatestTime",
"setterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start.<p>*/
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setLatestTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "latestTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**<p>The latest date and time, in UTC, for the Scheduled Instance to start.<p>*/
@param latestTime The latest date and time, in UTC, for the Scheduled Instance to start.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The latest date and time, in UTC, for the Scheduled Instance to start.<p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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  "resultWrapper" : null
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  "variableType" : "SlotStartTimeRangeRequest",
  "documentation" : null,
  "simpleType" : "SlotStartTimeRangeRequest",
  "variableSetterType" : "SlotStartTimeRangeRequest"
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    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Describes a snapshot.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
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     "deprecated" : false,
     "documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
     "enumType" : null,
     "fluentsetterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
     \n     @param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
     \n     @return Returns a reference to this object so that method calls can be chained together.*/",
     "fluentsetterMethodName" : "withSnapshotId",
     "getterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
     \n     @return The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
     \n     @return Returns a reference to this object so that method calls can be chained together.*/",
     "getterMethodName" : "getSnapshotId",
    }]}
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "marshallLocationName" : "SnapshotId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "snapshotId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "snapshotId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>
@\param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "",
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"variableSetterType" : "String",
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>
@return The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeId",
purpose.</p>
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by
the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/

"setterMethodName" : "setVolumeId",
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by
the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>*/
@returns a reference to this object so that method calls can be chained together.*/

"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The ID of the volume that was used to create the snapshot. Snapshots created by
the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
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  "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null
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  "c2jName" : "State",
  "c2jShape" : "SnapshotState",
  "deprecated" : false,
  "documentation" : "<p>The snapshot state.</p>
  @param state The snapshot state.
  @return Returns a reference to this object so that method calls can be chained together.
  @see SnapshotState*/

"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The snapshot state.</p>
  @param state The snapshot state.
  @return The snapshot state.
  @see SnapshotState*/

"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "flattened" : false,
  "greedy" : false,
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"isStreaming" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The snapshot state.</p>
@param state The snapshot state.
@see SnapshotState*/",
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  "variableName" : "state",
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  "documentation" : "",
  "simpleType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The snapshot state.</p>
@param state The snapshot state.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotState*/",
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  "variableType" : "String",
  "documentation" : "<p>The snapshot state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>"},
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>

@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStateMessage",
"getterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>

@return Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*/",
"getterMethodName" : "getStateMessage",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
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  "unmarshallLocationName" : "statusMessage",
  "uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "StateMessage",
"setterDocumentation" : "/**<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>

@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

@return Returns a reference to this object so that method calls can be chained together.*/"
diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*\/*

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`setterModel`: {
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    "documentation": "",
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    "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>
@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
@return Returns a reference to this object so that method calls can be chained together.*\/*

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    "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "StartTime",
"c2jShape": "DateTime",
"deprecated": false,
"documentation": "<p>The time stamp when the snapshot was initiated.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time stamp when the snapshot was initiated.</p>
@param startTime The time stamp when the snapshot was initiated.
@return Returns a reference to this object so that method calls can be chained together.*\/*

"fluentSetterMethodName": "withStartTime",
"getterDocumentation": "/**<p>The time stamp when the snapshot was initiated.</p>
@return The time stamp when the snapshot was initiated.*\/*

"getterMethodName": "getStartTime",
"getterModel": {
    "returnType": "java.util.Date",
    "documentation": null
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"http": {
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  "isPayload": false,
  "isStreaming": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "startTime",
"setterDocumentation": "/**<p>The time stamp when the snapshot was initiated.</p>
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"setterModel": {
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@param startTime The time stamp when the snapshot was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "java.util.Date",
  "documentation": "The time stamp when the snapshot was initiated.",
  "simpleType": "Date",
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"c2jName": "Progress"
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The progress of the snapshot, as a percentage.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The progress of the snapshot, as a percentage.&lt;/p&gt;
@param progress
The progress of the snapshot, as a percentage.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*/&gt;",
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"getterDocumentation" : "/**&lt;p&gt;The progress of the snapshot, as a percentage.&lt;/p&gt;
&lt;@return The progress of the snapshot, as a percentage.*/&gt;",
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  "documentation" : null
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**&lt;p&gt;The progress of the snapshot, as a percentage.&lt;/p&gt;&lt;@param progress
The progress of the snapshot, as a percentage.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.*/&gt;",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n * The progress of the snapshot, as a percentage.\n * @param progress The progress of the snapshot, as a percentage.\n * @return Returns a reference to this object so that method calls can be chained together. */",
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    "simpleType" : "String",
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"xmlNameSpaceUri" : null
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"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The AWS account ID of the EBS snapshot owner.\n * @param ownerId The AWS account ID of the EBS snapshot owner.\n * @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**\n * The AWS account ID of the EBS snapshot owner.\n * @return The AWS account ID of the EBS snapshot owner.\n */",
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    "documentation" : null
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "ownerId",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**\n<p>The AWS account ID of the EBS snapshot owner.</p>\n@param ownerId The AWS account ID of the EBS snapshot owner.*/",
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"setterModel" : {
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The AWS account ID of the EBS snapshot owner.</p>\n@param ownerId The AWS account ID of the EBS snapshot owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description for the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The description for the snapshot.</p>\n@param description The description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**\n<p>The description for the snapshot.</p>\n@return The description for the snapshot.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
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"documentation" : null
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"isStreaming" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The description for the snapshot.\n@param description The description for the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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"varargSetterDocumentation" : "/**<p>The description for the snapshot.\n@param description The description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The description for the snapshot.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
}, {
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.\n</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.\n@param volumeSize The size of the volume, in GiB.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"fluentSetterMethodName" : "withVolumeSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@return The size of the volume, in GiB.*/",
"getterMethodName" : "getVolumeSize",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeSize",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : ":<p>The size of the volume, in GiB.</p>"
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerAlias",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>
@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withOwnerAlias",
"getterDocumentation" : "/** <p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>
@return Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. */",
"getterMethodName" : "getOwnerAlias",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshalLocationName" : "OwnerAlias",
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "ownerAlias",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerAlias",
"setterDocumentation" : "/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>\n@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. */",
"setterMethodName" : "setOwnerAlias",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerAlias",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>\n@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerAlias",
  "variableType" : "String",
  "documentation" : "<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the snapshot.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>\n@param tags Any tags assigned to the snapshot.\n@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>\n@return Any tags assigned to the snapshot.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*
     */",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*
     */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
     * @return *
     */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "uri" : false
    }
  }
}
}
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclaratorType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
  "variableDeclaratorType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>
@param tags Any tags assigned to the snapshot.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<code>setTags(java.util.Collection)</code>] or [<code>withTags(java.util.Collection)</code>] if you want to override the existing values.</p>
@param tags Any tags assigned to the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the snapshot.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
{
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted Indicates whether the snapshot is encrypted.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withEncrypted",
  "getterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@return Indicates whether the snapshot is encrypted.*/",
  "getterMethodName" : "getEncrypted",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
Indicates whether the snapshot is encrypted.

**setterMethodName** : "setEncrypted",

**setterModel** : {

  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"

},

"simple" : true,

**varargSetterDocumentation** : "/**

Indicates whether the snapshot is encrypted.

@param encrypted Returns a reference to this object so that method calls can be chained together. */",

**variable** : {

  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : " Indicates whether the snapshot is encrypted. */",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"

},

"xmlNameSpaceUri" : null
},

"c2jName" : "KmsKeyId",

"c2jShape" : "String",

deprecated" : false,

"documentation" : " <p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume. </p>",

"enumType" : null,

"fluentSetterDocumentation" : "/**

The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent
volume.</p>@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
@return Returns a reference to this object so that method calls can be chained together.*/

    "fluentSetterMethodName" : "withKmsKeyId",
    "getterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.*/",
    "getterMethodName" : "getKmsKeyId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KmsKeyId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "kmsKeyId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "KmsKeyId",
    "setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.*/",
    "setterMethodName" : "setKmsKeyId",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "kmsKeyId",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.

```java
@param kmsKeyId

The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.

```
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DataEncryptionKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dataEncryptionKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DataEncryptionKeyId",
"setterDocumentation" : "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>

@param dataEncryptionKeyId The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.*/",
"setterMethodName" : "setDataEncryptionKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dataEncryptionKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameters is only returned by the <a>DescribeSnapshots</a> API operation.*/"
The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the DescribeSnapshots operation.

```plaintext
@param dataEncryptionKeyId
The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the DescribeSnapshots operation.

@return Returns a reference to this object so that method calls can be chained together.
```

```javascript

```
returned by the `<a>DescribeSnapshots</a>` API operation.

`<p>@return The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.*"/`,

```
"getterMethodName" : "getDataEncryptionKeyId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "DataEncryptionKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "dataEncryptionKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DataEncryptionKeyId",
"setterDocumentation" : "/**<p>The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the `<a>DescribeSnapshots</a>` API operation.*"/",

```
"setterMethodName" : "setDataEncryptionKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dataEncryptionKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
```

"variableSetterType" : "String",
"simple" : true,
"variableName" : "dataEncryptionKeyId",
"variableType" : "String",
"documentation" : "The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

\@param dataEncryptionKeyId
The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
\@return Returns a reference to this object so that method calls can be chained together.",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "dataEncryptionKeyId",
"variableType" : "String",
"documentation" : "The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.
\@param description
The description for the snapshot.
\@return Returns a reference to this object so that method calls can be chained together.",
"Description" : {
"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The description for the snapshot."},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description for the snapshot.</p>\n@param description The description for the snapshot.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description for the snapshot.</p>\n@param description The description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Encrypted" : {
  "c2jName" : "Encrypted",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Encrypted",
  "setterDocumentation" : "/**<p>The encryption state for the snapshot</p>
@param encrypted Indicates whether the snapshot is encrypted.*/",
  "setterMethodName" : "setEncrypted",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "encrypted",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The encryption state for the snapshot</p>
@param encrypted Indicates whether the snapshot is encrypted.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "encrypted",
    "variableType" : "String",
    "documentation" : "<p>The encryption state for the snapshot</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted Indicates whether the snapshot is encrypted
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@return Indicates whether the snapshot is encrypted.

\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Encrypted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted Indicates whether the snapshot is encrypted.

\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEncrypted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the snapshot is encrypted.</p>
@param encrypted Indicates whether the snapshot is encrypted
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "encrypted",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
    "c2jName" : "KmsKeyId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/*<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withKmsKeyId",
    "getterDocumentation" : "/*<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>*/",
    "getterMethodName" : "getKmsKeyId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KmsKeyId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "kmsKeyId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "deprecated" : false
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.*"/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.
@return Returns a reference to this object so that method calls can be chained together.*"/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "kmsKeyId",
    "variableType" : "String",
    "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>
",  
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"OwnerAlias" : {
    "c2jName" : "OwnerAlias",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>
@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.
@return Returns a reference to this object so that method calls can be chained together.*"/"}
console

`@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withOwnerAlias",
    "getterDocumentation" : "/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>*/
    @return Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. */",
    "getterMethodName" : "getOwnerAlias",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "OwnerAlias",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ownerAlias",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "OwnerAlias",
    "setterDocumentation" : "/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>*/
    @param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. */",
    "setterMethodName" : "setOwnerAlias",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "ownerAlias",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
}
"simple": true,

"varargSetterDocumentation": "\/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. \</p>\n@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

"variable": {
    "variableDeclarationType": "String",
    "variableName": "ownerAlias",
    "variableType": "String",
    "documentation": "\/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. </p>\n@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

    "simpleType": "String",
    "variableSetterType": "String"
},

"xmlNameSpaceUri": null,

"OwnerId": {
    "c2jName": "OwnerId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "\/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@return The AWS account ID of the EBS snapshot owner.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",

    "enumType": null,
    "fluentSetterDocumentation": "\/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@param ownerId The AWS account ID of the EBS snapshot owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",

    "fluentSetterMethodName": "withOwnerId",
    "getterDocumentation": "\/**<p>The AWS account ID of the EBS snapshot owner.</p>\n@return The AWS account ID of the EBS snapshot owner.\n@return Returns a reference to this object so that method calls can be chained together.*/",

    "getterMethodName": "getOwnerId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "OwnerId",
        "queryString": false,
        "statusCode": false,
        "simple": true,
        "varargSetterDocumentation": "\/**<p> Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console. \</p>\n@param ownerAlias Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.\</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"unmarshalLocationName" : "ownerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param ownerId
The AWS account ID of the EBS snapshot owner.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the EBS snapshot owner.</p>
@param ownerId
The AWS account ID of the EBS snapshot owner.

@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "setOwnerId",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ownerId",
  "variableType" : "String",
  "documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>

@return The AWS account ID of the EBS snapshot owner.

@returns A reference to this object so that method calls can be chained together.
",
"xmlNameSpaceUri" : null
},
"Progress" : {
  "c2jName" : "Progress",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The progress of the snapshot, as a percentage.</p>

@returns The progress of the snapshot, as a percentage.

@returns A reference to this object so that method calls can be chained together.
",
"fluentSetterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>

@returns The progress of the snapshot, as a percentage.

@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**<p>The progress of the snapshot, as a percentage.</p>

@returns The progress of the snapshot, as a percentage.
",
"getterMethodName" : "getProgress",
"getterModel" : {"xmlNameSpaceUri" : null}
"returnType" : "String",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "Progress",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "progress",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Progress",
"setterDocumentation" : "/**\n*p>The progress of the snapshot, as a percentage.\n*\n@param progress The progress of the snapshot, as a percentage.*/",
"setterMethodName" : "setProgress",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "progress",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The progress of the snapshot, as a percentage.\n*\n@param progress The progress of the snapshot, as a percentage.\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "progress",
   "variableType" : "String",
   "documentation" : "<p>The progress of the snapshot, as a percentage.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"SnapshotId" : {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.",
  "enumType" : null,
  "fluentSetterDocumentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
  
  \n  \n  @param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
  \n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "withSnapshotId",
  "getterDocumentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
  
  \n  \n  @return The ID of the snapshot. Each snapshot receives a unique identifier when it is created.",
  "getterMethodName" : "getSnapshotId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SnapshotId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "snapshotId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "SnapshotId",
  "setterDocumentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
  
  \n  \n  @param snapshotId The ID of the snapshot. Each snapshot receives a unique identifier when it is created.
  
  @return The ID of the snapshot. Each snapshot receives a unique identifier when it is created.",
  "setterMethodName" : "setSnapshotId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "snapshotId",
    "variableType" : "String",}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n\n@throws \n\n\*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created. \n\n@throws \n\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"variableName" : "snapshotId",
"variableType" : "String",
"documentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The ID of the snapshot. Each snapshot receives a unique identifier when it is created.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The time stamp when the snapshot was initiated.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The time stamp when the snapshot was initiated.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The time stamp when the snapshot was initiated.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "The time stamp when the snapshot was initiated.

@throws

@return Returns a reference to this object so that method calls can be chained together.*/"}
"unmarshallLocationName" : "startTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StartTime",
"setterDocumentation" : "/**<p>The time stamp when the snapshot was initiated.</p>
@param startTime The time stamp when the snapshot was initiated.*/",
"setterMethodName" : "setStartTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the snapshot was initiated.</p>
@param startTime The time stamp when the snapshot was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "startTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time stamp when the snapshot was initiated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"State" : {
"c2jName" : "State",
"c2jShape" : "SnapshotState",
"deprecated" : false,
"documentation" : "<p>The snapshot state.</p>",
"enumType" : "SnapshotState",
"fluentSetterDocumentation" : "/**<p>The snapshot state.</p>
@param state The snapshot state.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The snapshot state.</p>
@return The snapshot state.
@see SnapshotState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"xmlNameSpaceUri" : null
},
"xmlNameSpaceUri" : null
}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
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  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n<p>The snapshot state.</p>
@param state The snapshot state.
@see SnapshotState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The snapshot state.</p>
@param state The snapshot state.
@return Returns a reference to this object so that method calls can be chained together.
@see SnapshotState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The snapshot state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StateMessage" : {
Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

@returns
Returns a reference to this object so that method calls can be chained together.

getterDocumentation": 
Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

getterMethodName": 
Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.

idempotencyToken": false,

list": false,

listModel": null,

map": null,
Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the DescribeSnapshots API operation.

```

@param stateMessage Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the DescribeSnapshots API operation.

@return Returns a reference to this object so that method calls can be chained together.
```

Any tags assigned to the snapshot.

```

@fluentSetterDocumentation

/**
Any tags assigned to the snapshot.

@return Any tags assigned to the snapshot.
```

Any tags assigned to the snapshot.
assigned to the snapshot.\n\n@return Returns a reference to this object so that method calls can be chained together.*/,”
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n<p>Any tags assigned to the snapshot.</p>\n@return Any tags assigned to the snapshot.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>
@param tags Any tags assigned to
the snapshot.*/",
"setterMethodName" : "setTags",
"setterModel" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the snapshot.</p>
@tags Any tags assigned to
the snapshot.*/
@param tags Any tags assigned
to the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the snapshot.</p>
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"VolumeId" : {
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the volume that was used to create the snapshot.Snapshots created by the
<a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created by the
<a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>
@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the
<a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The ID of the volume that was used to create the snapshot. Snapshots created
"}
by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose.</p>

```java
@returns The ID of the volume that was used to create the snapshot. Snapshots created by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose. */

getterMethodName" : "getVolumeId",
getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/** <p>The ID of the volume that was used to create the snapshot. Snapshots created by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose.</p>

@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose. */

setterMethodName" : "setVolumeId",
setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the volume that was used to create the snapshot. Snapshots created by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose.</p>

@param volumeId The ID of the volume that was used to create the snapshot. Snapshots created by the `<a>CopySnapshot</a>` action have an arbitrary volume ID that should not be used for any purpose.*/

Retention
Returns a reference to this object so that method calls can be chained together. */
```
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "<p>The ID of the volume that was used to create the snapshot. Snapshots created by the <a>CopySnapshot</a> action have an arbitrary volume ID that should not be used for any purpose.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeSize" : {
"c2jName" : "VolumeSize",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>*/
@param volumeSize The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withVolumeSize",
"getterDocumentation" : "/**<p>The size of the volume, in GiB.</p>*/
@return The size of the volume, in GiB.
",
"getterMethodName" : "getVolumeSize",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeSize",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeSize",}
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p><\n@param volumeSize The size of the volume, in GiB.*/",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p><\n@param volumeSize The size of the volume, in GiB.<\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "<p>The size of the volume, in GiB.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Snapshot",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Snapshot",
  "variableName" : "snapshot",
  "variableType" : "Snapshot",
  "documentation" : null,
  "simpleType" : "Snapshot",
  "variableSetterType" : "Snapshot"
},
"wrapper" : false
},
"SnapshotAttributeName" : {
  "c2jName" : "SnapshotAttributeName",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
  }
}
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "ProductCodes",
    "value": "productCodes"
  },
  {
    "name": "CreateVolumePermission",
    "value": "createVolumePermission"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "SnapshotAttributeName",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "SnapshotAttributeName",
  "variableName": "snapshotAttributeName",
  "variableType": "SnapshotAttributeName",
  "documentation": null,
  "simpleType": "SnapshotAttributeName",
  "variableSetterType": "SnapshotAttributeName"
},
"wrapper": false,
"SnapshotDetail": {
  "c2jName": "SnapshotDetail",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes the snapshot created from the imported disk. </p>"
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [ {
  "c2jName": "DiskImageSize",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": "The size of the disk in the snapshot, in GiB.",
  "enumType": null,
  "fluentSetterDocumentation": "The size of the disk in the snapshot, in GiB.
  \n  @param diskImageSize The size of the disk in the snapshot, in GiB.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  
  fluentSetterMethodName": "withDiskImageSize",
  "getterDocumentation": "The size of the disk in the snapshot, in GiB.
  \n  @return The size of the disk in the snapshot, in GiB.
  
  getterMethodName": "getDiskImageSize",
  "getterModel": { 
    "returnType": "Double",
    "documentation": null
  },
  "http": { 
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "DiskImageSize",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "diskImageSize",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "DiskImageSize",
  "setterDocumentation": "The size of the disk in the snapshot, in GiB.
  \n  @param diskImageSize The size of the disk in the snapshot, in GiB.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  
  setterMethodName": "setDiskImageSize"}
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "diskImageSize",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
  "simple" : true,
"varargSetterDocumentation" : "/**\n\n@param\ndiskImageSize The size of the disk in the snapshot, in GiB.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "diskImageSize",
  "variableType" : "Double",
  "documentation" : "<p>The size of the disk in the snapshot, in GiB.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
  {
  "c2jName" : "Description",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A description for the snapshot.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n\n@param description A description for the snapshot.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDescription",
  "getterDocumentation" : "/**\n\n@return A description for the snapshot.*/",
  "getterMethodName" : "getDescription",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Description",
    "queryString" : false,
    "xmlNameSpaceUri" : null
  }
}
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**\n*p>A description for the snapshot.\n*/
@param description A description for the snapshot.
*/",
"setterMethodName" : "setDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>A description for the snapshot.\n*/
@param description A description for the snapshot.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>A description for the snapshot.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Format",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The format of the disk image from which the snapshot is created.\n*/
"enumType" : null,
"fluentSetterDocumentation" : "/**\n*p>The format of the disk image from which the snapshot is created.\n*/
@param format The format of the disk image from which the snapshot is created.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFormat",
"getterDocumentation" : "/**\n*p>The format of the disk image from which the snapshot is created.\n*/
@return The format of the disk image from which the snapshot is created.\n*/",
"getterMethodName" : "getFormat",
"getterModel" : {
  "returnType" : "String",
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The format of the disk image from which the snapshot is created.\n*/
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Format",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "format",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Format",
"setterDocumentation" : "/**<p>The format of the disk image from which the snapshot is
created.<p>/**
@param format The format of the disk image from which the snapshot is created.*/",
"setterMethodName" : "setFormat",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The format of the disk image from which the snapshot is
created.<p>/n@param format The format of the disk image from which the snapshot is created.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "format",
  "variableType" : "String",
  "documentation" : "<p>The format of the disk image from which the snapshot is created.<p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
}
"c2jName" : "Url",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The URL used to access the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUrl",
"getterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@return The URL used to access the disk image.*/",
"getterMethodName" : "getUrl",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Url",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "url",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUrl",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "url",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "<p>The URL used to access the disk image.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "UserBucket",
"c2jShape" : "UserBucketDetails",
"deprecated" : false,
"documentation" : "<p>The S3 bucket for the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserBucket",
"getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
"getterMethodName" : "getUserBucket",
"getterModel" : {
  "returnType" : "UserBucketDetails",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserBucket",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userBucket",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserBucket",
"setterDocumentation" : "@param userBucket The S3 bucket for the disk image.*",
"setterMethodName" : "setUserBucket",
"setterModel" : {
  "variableDeclarationType" : "UserBucketDetails",
  "variableName" : "userBucket",
  "variableType" : "UserBucketDetails",
  "documentation" : "",
  "simpleType" : "UserBucketDetails",
  "variableSetterType" : "UserBucketDetails"
},
"simple" : false,
"varargSetterDocumentation" : "@param userBucket The S3 bucket for the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*",
"variable" : {
  "variableDeclarationType" : "UserBucketDetails",
  "variableName" : "userBucket",
  "variableType" : "UserBucketDetails",
  "documentation" : "The S3 bucket for the disk image.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "variableSetterType" : "UserBucketDetails"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "DeviceName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The block device mapping for the snapshot.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "@param deviceName The block device mapping for the snapshot.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDeviceName",
  "getterDocumentation" : "The block device mapping for the snapshot.\n  \n  @return The block device mapping for the snapshot.*/",
  "getterMethodName" : "getDeviceName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "documentation" : "The block device mapping for the snapshot.\n  \n  @return The block device mapping for the snapshot.*/",
    "getterMethodName" : "getDeviceName",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "documentation" : "The block device mapping for the snapshot.\n  \n  @return The block device mapping for the snapshot.*/"}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeviceName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deviceName",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeviceName",
"setterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@param deviceName The block device mapping for the snapshot.*/",
"setterMethodName" : "setDeviceName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The block device mapping for the snapshot.</p>
@param deviceName The block device mapping for the snapshot.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "deviceName",
  "variableType" : "String",
  "documentation" : "<p>The block device mapping for the snapshot.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SnapshotId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The snapshot ID of the disk being imported.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The snapshot ID of the disk being imported.</p>
@param snapshotId
@return Returns a reference to this object so that method calls can be chained together.*/", Open Source Used In Virtualized Voice Browser 12.6(1) 26177
The snapshot ID of the disk being imported.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**\n* The snapshot ID of the disk being imported.\n*\n@return The snapshot ID of the disk being imported.*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together. */",
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@return The percentage of progress for the task. */",
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation" : "A brief status of the snapshot creation.
@return A brief status of the snapshot creation.
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@return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@return A detailed status message for the snapshot creation.*/",
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  "documentation" : "/**
   * A detailed status message for the snapshot creation.
   */",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>A detailed status message for the snapshot creation.</p>
@param statusMessage A detailed status message for the snapshot creation.
@return Returns a reference to this object so that method calls can be chained together.*"",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*"",
  "fluentSetterMethodName" : "withUrl",
  "getterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@return The URL used to access the disk image.*"",
  "getterMethodName" : "getUrl",
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    "documentation" : null
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"isStreaming" : false,
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@param url The URL used to access the disk image.*/",
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  "variableType" : "String",
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL used to access the disk image.</p>
@param url The URL used to access the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "UserBucketDetails",
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.</param>\n@return Returns a reference to this object so that method calls can be chained together.*/"}
bucket for the disk image.

@return Returns a reference to this object so that method calls can be chained together.*/

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@return Returns a reference to this object so that method calls can be chained together.*/"
method calls can be chained together.*/*

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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).""}
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@param url The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).
@return Returns a reference to this object so that method calls can be chained together.*/", 
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  * @return Returns a reference to this object so that method calls can be chained together.*/",
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* @return Returns a reference to this object so that method calls can be chained together.*/",
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* @return Returns a reference to this object so that method calls can be chained together.*/",
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    @param format
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    @param format
The format of the disk image being imported.
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@return Returns a reference to this object so that method calls can be chained together."/",
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@return Returns a reference to this object so that method calls can be chained together."/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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\n@return Returns a reference to this object so that method calls can be chained together.
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\n@return Returns a reference to this object so that method calls can be chained together.
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@return The URL of the disk image from which the snapshot is created.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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 * @return Returns a reference to this object so that method calls can be chained together.
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 * @return Returns a reference to this object so that method calls can be chained together.
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 * @return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.
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@return The description of the snapshot.
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@return The size of the disk in the snapshot, in GiB.*/",
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The percentage of completion for the import snapshot task.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "&lt;\*/p&gt;The percentage of completion for the import snapshot task.&lt;/p&gt;\n@\param progress The percentage of completion for the import snapshot task.&lt;br&gt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;\*/p&gt;",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "&lt;\*/p&gt;The percentage of completion for the import snapshot task.&lt;/p&gt;\n@\return The percentage of completion for the import snapshot task.&lt;br&gt;\n@\getterMethodName" : "getProgress",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Progress",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "progress",
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"idempotencyToken": false,
"list": false,
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"map": false,
"mapModel": null,
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"setterDocumentation": "/**<p>The percentage of completion for the import snapshot task.</p>
@param progress The percentage of completion for the import snapshot task.*/",
"setterMethodName": "setProgress",
"setterModel": {
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  "variableName": "progress",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**<p>The percentage of completion for the import snapshot task.</p>
@param progress The percentage of completion for the import snapshot task.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "progress",
  "variableType": "String",
  "documentation": "<p>The percentage of completion for the import snapshot task.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SnapshotId": {
  "c2jName": "SnapshotId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The snapshot ID of the disk being imported.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The snapshot ID of the disk being imported.</p>
@param snapshotId The snapshot ID of the disk being imported.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSnapshotId",
  "getterDocumentation": "/**<p>The snapshot ID of the disk being imported.</p>
@return The snapshot ID of the disk being imported.*/",
  "getterMethodName": "getSnapshotId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
}
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  "isStreaming": false,
  "location": null,
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  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "snapshotId",
  "uri": false
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "SnapshotId",
"setterDocumentation": "/**<p>The snapshot ID of the disk being imported.</p>
@param snapshotId The snapshot ID of the disk being imported.*/",
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  "variableName": "snapshotId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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@param snapshotId The snapshot ID of the disk being imported.<p></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The snapshot ID of the disk being imported.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"Status": {

"c2jName" : "Status",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A brief status for the import snapshot task.

"enumType" : null,
"fluentSetterDocumentation" : "/** A brief status for the import snapshot task.
\n@returns {String} A brief status for the import snapshot task.
\n@throws {Error} Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/** A brief status for the import snapshot task.
\n@returns {String} A brief status for the import snapshot task.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/** A brief status for the import snapshot task.
\n@returns {String} A brief status for the import snapshot task.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
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  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simple" : true,
"varargSetterDocumentation" : "/**<p>A brief status for the import snapshot task.</p>
@param status A brief status for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "status",
  "variableType" : "String",
  "documentation" : "<p>A brief status for the import snapshot task.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StatusMessage" : {
  "c2jName" : "StatusMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A detailed status message for the import snapshot task.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@param statusMessage A detailed status message for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@return A detailed status message for the import snapshot task.*/",
  "getterMethodName" : "getStatusMessage",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@param statusMessage A detailed status message for the import snapshot task.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
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    "variableName" : "statusMessage",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>A detailed status message for the import snapshot task.</p>
@param statusMessage A detailed status message for the import snapshot task.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "statusMessage",
    "variableType" : "String",
    "documentation" : "<p>A detailed status message for the import snapshot task.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Url" : {
    "c2jName" : "Url",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The URL of the disk image from which the snapshot is created.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is created.</p>
@param url The URL of the disk image from which the snapshot is created.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withUrl",
    "getterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is created.</p>
@return The URL of the disk image from which the snapshot is created.*/",
    "getterMethodName" : "getUrl",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
    },
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Url",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "url",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Url",
"setterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is
created.</p>
@param url The URL of the disk image from which the snapshot is created. */",
"setterMethodName" : "setUrl",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The URL of the disk image from which the snapshot is
created.</p>
@param url The URL of the disk image from which the snapshot is created.</p>
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "url",
  "variableType" : "String",
  "documentation" : "<p>The URL of the disk image from which the snapshot is created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"UserBucket" : {
  "c2jName" : "UserBucket",
  "c2jShape" : "UserBucketDetails",
  "deprecated" : false,
"documentation" : "<p>The S3 bucket for the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUserBucket",
"getterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@return The S3 bucket for the disk image.*/",
"getterMethodName" : "getUserBucket",
"getterModel" : {
  "returnType" : "UserBucketDetails",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UserBucket",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "userBucket",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserBucket",
"setterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setUserBucket",
"setterModel" : {
  "variableDeclarationType" : "UserBucketDetails",
  "variableName" : "userBucket",
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  "simpleType" : "UserBucketDetails",
  "variableSetterType" : "UserBucketDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The S3 bucket for the disk image.</p>
@param userBucket The S3 bucket for the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/"
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  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "simpleType" : "UserBucketDetails",
  "variableSetterType" : "UserBucketDetails"
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}
}
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"requestSignerClassFqcn" : null,
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"shapeName" : "SnapshotTaskDetail",
"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableName" : "snapshotTaskDetail",
  "variableType" : "SnapshotTaskDetail",
  "documentation" : null,
  "simpleType" : "SnapshotTaskDetail",
  "variableSetterType" : "SnapshotTaskDetail"
},
"wrapper" : false
}
"SpotDatafeedSubscription" : {
  "c2jName" : "SpotDatafeedSubscription",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the data feed for a Spot instance.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
  ]
}
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the account.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The AWS account ID of the account.</p>
\n@param ownerId The AWS account ID of the account.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the account.</p>
\n@return The AWS account ID of the account.*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ownerId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the account.</p>
\n@param ownerId The AWS account ID of the account.*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "ownerId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}.
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID of the account.</p>
@param ownerId The AWS account ID of the account.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "<p>The AWS account ID of the account.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
]
"c2jName": "Bucket",
"c2jShape": "String",
"deprecated": false,
"documentation": 
  "<p>The Amazon S3 bucket where the Spot instance data feed is located.<p>
  
@return The Amazon S3 bucket where the Spot instance data feed is located.*/",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>
  
@param bucket The Amazon S3 bucket where the Spot instance data feed is located.

@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withBucket",
  "getterDocumentation": "/**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>
  
@return The Amazon S3 bucket where the Spot instance data feed is located.*/",
  "getterMethodName": "getBucket",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "Bucket",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "bucket",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
"map" : false,
"mapModel" : null,
"name" : "Bucket",
"setterDocumentation" : /**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>*/
@param bucket The Amazon S3 bucket where the Spot instance data feed is located.
*/
"setterMethodName" : "setBucket",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>*/
@param bucket The Amazon S3 bucket where the Spot instance data feed is located.
@return Returns a reference to this object so that method calls can be chained together.
*/
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bucket",
  "variableType" : "String",
  "documentation" : "<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "Prefix",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The prefix that is prepended to data feed files.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : /**<p>The prefix that is prepended to data feed files.</p>*/
@param prefix The prefix that is prepended to data feed files.
@return Returns a reference to this object so that method calls can be chained together.
*/
"fluentSetterMethodName" : "withPrefix",
"getterDocumentation" : /**<p>The prefix that is prepended to data feed files.</p>*/
@return The prefix that is prepended to data feed files.
"getterMethodName" : "getPrefix",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefix",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/**<p>The prefix that is prepended to data feed files.</p>
@param prefix The prefix that is prepended to data feed files.*/",
"setterMethodName" : "setPrefix",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The prefix that is prepended to data feed files.</p>
@param prefix The prefix that is prepended to data feed files.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "<p>The prefix that is prepended to data feed files.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "State",
"c2jShape" : "DatafeedSubscriptionState",
"deprecated" : false,
"documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
"enumType" : "DatafeedSubscriptionState",
"fluentSetterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>\n@returns A reference to this object so that method calls can be chained together.*/"
The state of the Spot instance data feed subscription.

```java
@see DatafeedSubscriptionState*
```

```java
"getterMethodName" : "getState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "The state of the Spot instance data feed subscription.

```java
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The state of the Spot instance data feed subscription.

```java
"variable" : {
    "variableDeclarationType" : "String",
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"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Fault",
"c2jShape" : "SpotInstanceStateFault",
"deprecated" : false,
"documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFault",
"getterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@return The fault codes for the Spot instance request, if any.*/",
"getterMethodName" : "getFault",
"getterModel" : {
"returnType" : "SpotInstanceStateFault",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Fault",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fault",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Fault",
"setterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
*/",
"setterMethodName" : "setFault",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
"setterModel" : {
    "variableDeclarationType" : "SpotInstanceStateFault",
    "variableName" : "fault",
    "variableType" : "SpotInstanceStateFault",
    "documentation" : "",
    "simpleType" : "SpotInstanceStateFault",
    "variableSetterType" : "SpotInstanceStateFault"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* The fault codes for the Spot instance request, if any.\n* @param fault\nThe fault codes for the Spot instance request, if any.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotInstanceStateFault",
    "variableName" : "fault",
    "variableType" : "SpotInstanceStateFault",
    "documentation" : "The fault codes for the Spot instance request, if any.\n* \n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "simpleType" : "SpotInstanceStateFault",
    "variableSetterType" : "SpotInstanceStateFault"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
    "Bucket" : {
        "c2jName" : "Bucket",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "The Amazon S3 bucket where the Spot instance data feed is located.\n*\n* @param bucket The Amazon S3 bucket where the Spot instance data feed is located.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterDocumentation" : "/**\n* The Amazon S3 bucket where the Spot instance data feed is located.\n* @param bucket The Amazon S3 bucket where the Spot instance data feed is located.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
        "getterDocumentation" : "/**\n* The Amazon S3 bucket where the Spot instance data feed is located.\n* @return The Amazon S3 bucket where the Spot instance data feed is located.*/",
        "getterMethodName" : "getBucket",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "isWrapper" : false,
            "marshallingTargetClass" : null,
            "marshallingType" : "string",
            "name" : "Bucket",
            "targetClass" : null
        }
    }
}
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "bucket",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Bucket",
"setterDocumentation" : "/**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>
@param bucket The Amazon S3 bucket where the Spot instance data feed is located.*/",
"setterMethodName" : "setBucket",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>
@param bucket The Amazon S3 bucket where the Spot instance data feed is located.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "bucket",
  "variableType" : "String",
  "documentation" : "<p>The Amazon S3 bucket where the Spot instance data feed is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"Fault" : {
  "c2jName" : "Fault",
  "c2jShape" : "SpotInstanceStateFault",
  "deprecated" : false,
  "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withFault",
  "name" : "Fault",
  "marshallLocationName" : "Fault",
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/
}
"getterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@return The fault codes for the Spot instance request, if any.*/",
"getterMethodName" : "getFault",
"getterModel" : {
  "returnType" : "SpotInstanceStateFault",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Fault",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "fault",
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Fault",
"setterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any. */",
"setterMethodName" : "setFault",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceStateFault",
  "variableName" : "fault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : "",
  "simpleType" : "SpotInstanceStateFault",
  "variableSetterType" : "SpotInstanceStateFault"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any. */
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "SpotInstanceStateFault",
  "variableName" : "fault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>"
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The AWS account ID of the account.
 * @param ownerId The AWS account ID of the account.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "The AWS account ID of the account.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Prefix" : {
"c2jName" : "Prefix",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The prefix that is prepended to data feed files.",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The prefix that is prepended to data feed files.
 * @param prefix The prefix that is prepended to data feed files.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrefix",
"getterDocumentation" : "/**\n * The prefix that is prepended to data feed files.
 * @return The prefix that is prepended to data feed files.*/",
"getterMethodName" : "getPrefix",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Prefix",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "prefix",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Prefix",
"setterDocumentation" : "/**\n<p>The prefix that is prepended to data feed files.\n@param prefix The prefix that is prepended to data feed files.*/",
"setterMethodName" : "setPrefix",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The prefix that is prepended to data feed files.\n@param prefix The prefix that is prepended to data feed files.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "prefix",
  "variableType" : "String",
  "documentation" : "<p>The prefix that is prepended to data feed files.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "DatafeedSubscriptionState",
  "deprecated" : false,
  "documentation" : "<p>The state of the Spot instance data feed subscription.</p>
  "enumType" : "DatafeedSubscriptionState",
  "fluentSetterDocumentation" : "/**\n<p>The state of the Spot instance data feed subscription.\n@param state The state of the Spot instance data feed subscription.\n@return Returns a reference to this object so that method calls can be chained together.\n@see DatafeedSubscriptionState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**\n<p>The state of the Spot instance data feed subscription.\n@return The state of the Spot instance data feed subscription.\n@see DatafeedSubscriptionState*/",
  "getterMethodName" : "getState",
  "xmlNameSpaceUri" : null
},
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@param state The state of the Spot instance data feed subscription.
@see DatafeedSubscriptionState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see DatafeedSubscriptionState*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"setterDocumentation" : "/**<p>The state of the Spot instance data feed subscription.</p>
@param state The state of the Spot instance data feed subscription.
@see DatafeedSubscriptionState*/";
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotDatafeedSubscription",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "SpotDatafeedSubscription",
"variableName" : "spotDatafeedSubscription",
"variableType" : "SpotDatafeedSubscription",
"documentation" : null,
"simpleType" : "SpotDatafeedSubscription",
"variableSetterType" : "SpotDatafeedSubscription"
},
"wrapper" : false
},
"SpotFleetLaunchSpecification" : {
"c2jName" : "SpotFleetLaunchSpecification",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the launch specification for one or more Spot instances."",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "ImageId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the AMI."",
"enumType" : null,
"fluentSetterDocumentation" : "Fluent returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withImageId",
"getterDocumentation" : "The ID of the AMI."
"getterMethodName" : "getImageId",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "ImageId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "imageId",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ImageId",
"setterDocumentation" : "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.*/",
"setterMethodName" : "setImageId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "imageId",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"varargSetterDocumentation" : "/**<p>The name of the key pair.</p>@param keyName The name of the key pair.<br/>
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "keyName",
"variableType" : "String",
"documentation" : "<p>The name of the key pair.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "SecurityGroups",
"c2jShape" : "GroupIdentifierList",
"deprecated" : false,
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>@param securityGroups One or more security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.<br/>
@return Returns a reference to this object so that method calls can be chained together.*"/

"fluentSetterMethodName" : "withSecurityGroups",
"getterDocumentation" : "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
@return One or more security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*"/

"getterMethodName" : "getSecurityGroups",
"getterModel" : {
"returnType" : "java.util.List<GroupIdentifier>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "GroupIdentifier",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "GroupIdentifier",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "GroupIdentifier",
"variableType" : "GroupIdentifier",
"variableUsageContext" : "member"
}
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "GroupIdentifier",
"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>"
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "**One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"}
"simple": false,
"varargSetterDocumentation": "/**\n * One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n */\n\n * \NOTE: This method appends the values to the existing list (if any). Use \{ @link #setSecurityGroups(java.util.Collection) \} or \{ @link #withSecurityGroups(java.util.Collection) \} if you want to override the existing values.\n */\n\n * @param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n * @return Returns a reference to this object so that method calls can be chained together.\*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
  "variableName": "securityGroups",
  "variableType": "java.util.List<GroupIdentifier>",
  "documentation": "One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n */",
  "simpleType": "List<GroupIdentifier>",
  "variableSetterType": "java.util.Collection<GroupIdentifier>"
},
"xmlNameSpaceUri": null,
"c2jName": "UserData",
"c2jShape": "String",
"deprecated": false,
"documentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n */",
"enumType": null,
"fluentSetterDocumentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n */\n\n * @param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n * @return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName": "withUserData",
"getterDocumentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n */\n\n * @return The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n */",
"getterMethodName": "getUserData",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UserData",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userData",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UserData",
"setterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return Returns a reference to this object so that method calls can be chained together.*/"",
"setterMethodName" : "setUserData",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : ",",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n@return Returns a reference to this object so that method calls can be chained together.*/"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userData",
  "variableType" : "String",
  "documentation" : "<p>The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n</p>"",
  "simpleType" : "String",
  "variableSetterType" : "String"
{,
  "xmlNameSpaceUri" : null
},
{
  "c2jName" : "AddressingType",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Deprecated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Deprecated.</p>
@param addressingType Deprecated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAddressingType",
  "getterDocumentation" : "/**<p>Deprecated.</p>
@return Deprecated.*/",
  "getterMethodName" : "getAddressingType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AddressingType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "addressingType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AddressingType",
  "setterDocumentation" : "/**<p>Deprecated.</p>
@param addressingType Deprecated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setAddressingType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "addressingType",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.</p>\n@param addressingType Deprecated.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "addressingType",
  "variableType" : "String",
  "documentation" : "<p>Deprecated.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceType",
"c2jShape" : "InstanceType",
"deprecated" : false,
"documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"enumType" : "InstanceType",
"fluentSetterDocumentation" : "(/*\n@param instanceType The instance type. Note that T2 and HS1 instance types are not
supported.\n@return Returns a reference to this object so that method calls can be chained together.\n@see InstanceType*/",
"fluentSetterMethodName" : "withInstanceType",
"getterDocumentation" : "(/*\n@return The instance type. Note that T2 and HS1 instance types are not
supported.\n@see InstanceType*/",
"getterMethodName" : "getInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceType",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceType",
"setterDocumentation": "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>*/
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@see InstanceType*/",
"setterMethodName": "setInstanceType",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "instanceType",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
,"simple": true,
"varargSetterDocumentation": "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>*/
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "instanceType",
"variableType": "String",
"documentation": "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
"simple": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{"c2jName": "Placement",
"c2jShape": "SpotPlacement",
"deprecated": false,
"documentation": "<p>The placement information.</p>
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.
@see Placement*/",
"fluentSetterDocumentation": "/**<p>The placement information.</p>*/
@param placement The placement information.
@return Returns a reference to this object so that method calls can be chained together.
@see Placement*/",
"fluentSetterMethodName": "withPlacement",
"getterDocumentation": "<p>The placement information.</p>
@return The placement information.
@see Placement*/",
"getterMethodName": "getPlacement",
"getterModel": {
"returnType": "SpotPlacement",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Placement",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "placement",
"uri" : false}
,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/** <p>The placement information.</p>
@param placement The placement information. */",
"setterMethodName" : "setPlacement",
"setterModel" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "",
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/** <p>The placement information.</p>
@param placement The placement information. 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "placement",
  "variableType" : "SpotPlacement",
  "documentation" : "The placement information.<p>
"xmlNameSpaceUri" : null
},
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The ID of the kernel.</p>
\n@param kernelId The ID of the
kernel.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>
@returns The ID of the kernel.*/",
"getterMethodName" : "getKernelId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "KERNEL_ID",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "kernelId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KERNEL_ID",
"setterDocumentation" : "/**<p>The ID of the kernel.</p>
@para kernelId The ID of the kernel.*/",
"setterMethodName" : "setKernelId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@para kernelId The ID of the kernel.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kernelId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the kernel.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "RamdiskId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RamdiskId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ramdiskId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",}
"variableSetterType" : "String",
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@param ramdiskId The ID of the RAM disk.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ramdiskId",
"variableType" : "String",
"documentation" : "<p>The ID of the RAM disk.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"c2jName" : "BlockDeviceMappings",
"c2jShape" : "BlockDeviceMappingList",
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withBlockDeviceMappings",
"getterDocumentation" : "<p>One or more block device mapping entries.</p>
@return One or more block device mapping entries.*/",
"getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
"returnType" : "java.util.List<BlockDeviceMapping>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "BlockDeviceMapping",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDeviceMapping",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "BlockDeviceMapping",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "BlockDeviceMapping",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
*/",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "BlockDeviceMapping",
"variableName" : "member",
"variableType" : "BlockDeviceMapping",
"documentation" : "",
"simpleType" : "BlockDeviceMapping",
"variableSetterType" : "BlockDeviceMapping"}
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
}.
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>"
},
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param blockDeviceMappings One or more block device mapping entries.*/",
"setterMethodName" : "setBlockDeviceMappings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"
}.
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
<br>NOTE:<br>This method appends the values to the existing list (if any). Use {@link #setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>"}.
"variableName": "blockDeviceMappings",
"variableType": "java.util.List<BlockDeviceMapping>",
"documentation": "<p>One or more block device mapping entries.</p>",
"simpleType": "List<BlockDeviceMapping>",
"variableSetterType": "java.util.Collection<BlockDeviceMapping>"
},
"xmlNameSpaceUri": null
},
"c2jName": "Monitoring",
"c2jShape": "SpotFleetMonitoring",
"deprecated": false,
"documentation": "<p>Enable or disable monitoring for the instances.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMonitoring",
"getterDocumentation": "/**<p>Enable or disable monitoring for the instances.</p>
@return Enable or disable monitoring for the instances.*/",
"getterMethodName": "getMonitoring",
"getterModel": {
"returnType": "SpotFleetMonitoring",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Monitoring",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "monitoring",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Monitoring",
"setterDocumentation": "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMonitoring"
"setterModel": {
  "variableDeclarationType": "SpotFleetMonitoring",
  "variableName": "monitoring",
  "variableType": "SpotFleetMonitoring",
  "documentation": "",
  "simpleType": "SpotFleetMonitoring",
  "variableSetterType": "SpotFleetMonitoring"
},
"simple": false,
"varargSetterDocumentation": "/**\n\n@param monitoring Enable or disable monitoring for the instances.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "SpotFleetMonitoring",
  "variableName": "monitoring",
  "variableType": "SpotFleetMonitoring",
  "documentation": "Enable or disable monitoring for the instances.
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n...
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, subnet-a61dafcf, subnet-65ea5f08v.

**setterDocumentation**:

```
/**
 * The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, subnet-a61dafcf, subnet-65ea5f08v.
 */

@returns A reference to this object so that method calls can be chained together.
```
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p><p><code>\n@return</code> Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withNetworkInterfaces",
"getterDocumentation" : "/**
@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
@return One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>*/",
"getterMethodName" : "getNetworkInterfaces",
"getterModel" : {
"returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceNetworkInterfaceSpecification",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"name" : "member",
"nameExpression" : "member",
"nameFilters" : null,
"nameMap" : null,
"nameSet" : null,
"namespace" : null,
"operations" : null,
"policies" : null,
"propertyPath" : null,
"xmlNameSpaceUri" : null,
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**\<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\</p>\n\@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
"setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\</p>\<b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setNetworkInterfaces(java.util.Collection)] or [@link #withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.\</p>\n\@param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\</p>\p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.\</p>\"",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
{"c2jName": "IamInstanceProfile",
"c2jShape": "IamInstanceProfileSpecification",
"deprecated": false,
"documentation": "<p>The IAM instance profile.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withIamInstanceProfile",
"getterDocumentation": "/**<p>The IAM instance profile.\n@return The IAM instance profile.*/",
"getterMethodName": "getIamInstanceProfile",
"getterModel": {
"returnType": "IamInstanceProfileSpecification",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "IamInstanceProfile",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "iamInstanceProfile",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "IamInstanceProfile",
"setterDocumentation": "/**<p>The IAM instance profile.\n@param iamInstanceProfile The IAM instance profile.*/",
"setterMethodName": "setIamInstanceProfile",
"setterModel": {
"variableDeclarationType": "IamInstanceProfileSpecification",
"variableName": "iamInstanceProfile",
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"documentation": "",
"simpleType": "IamInstanceProfileSpecification",
"variableSetterType": "IamInstanceProfileSpecification"}
"simple" : false,
"varargSetterDocumentation" : "*/<p>The IAM instance profile.</p>\n@param iamInstanceProfile The IAM instance profile.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "<p>The IAM instance profile.</p>",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "EbsOptimized",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n<p>Default: <code>false</code></p>\n"fluentSetterDocumentation" : "*/<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n<p>Default: <code>false</code></p>\n<p>@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n<p>Default: <code>false</code></p>\n<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "*/<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n<p>Default: <code>false</code></p>\n<p>@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>\n<p>Default: <code>false</code></p>\n<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EbsOptimized",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ebsOptimized",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS Optimized instance.</p><p>Default: <code>false</code></p><p>@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an
optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p><p>Default: <code>false</code></p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/
setterDocumentation" : ";*/
setterMethodName" : "setEbsOptimized",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization
provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p><p>Default: <code>false</code></p><p>@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p><p>Default: <code>false</code></p><p>@return Returns a reference to this object so that method calls can be chained together.*/
*/
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.<p> <p>Default: <code>false</code></p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"c2jName" : "WeightedCapacity",
"c2jShape" : "Double",
"deprecated" : false,
"documentation" : "<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.</p>@param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.</p>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withWeightedCapacity",
"getterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.</p>
@return The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1.*/",
"getterMethodName" : "getWeightedCapacity",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
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"location" : null,
"marshallLocationName" : "WeightedCapacity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "weightedCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "WeightedCapacity",
"setterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the
same units that you chose to set the target capacity in terms (instances or a performance characteristic such as
vCPUs, memory, or I/O). </p> <p>If the target capacity divided by this value is not a whole number, we round the
number of instances to the next whole number. If this value is not specified, the default is 1.</p>

@param weightedCapacity The number of units provided by the specified instance type. These are the same units that you
chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or
I/O). </p>

If the target capacity divided by this value is not a whole number, we round the number of instances to
the next whole number. If this value is not specified, the default is 1. */

.setterMethodName" : "setWeightedCapacity",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "weightedCapacity",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of units provided by the specified instance type. These are the
same units that you chose to set the target capacity in terms (instances or a performance characteristic such as
vCPUs, memory, or I/O). </p> <p>If the target capacity divided by this value is not a whole number, we round the
number of instances to the next whole number. If this value is not specified, the default is 1.</p>\n
@vararg

.weightedCapacity The number of units provided by the specified instance type. These are the same units that you
chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or
I/O). </p>

If the target capacity divided by this value is not a whole number, we round the number of instances to
the next whole number. If this value is not specified, the default is 1.\n
@return Returns a reference to this object so

.method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "weightedCapacity",
  "variableType" : "Double",
  "documentation" : "<p>The number of units provided by the specified instance type. These are the same units
that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory,
or I/O). </p> <p>If the target capacity divided by this value is not a whole number, we round the number of

instances to the next whole number. If this value is not specified, the default is 1.\n</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "\nThe bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.\n</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "\n\nThe bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "\n\nThe bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.\n\n@returns The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.\n",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",

"setterDocumentation" : "/**\nThe bid price per unit hour for the specified instance type. If this value is not
specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the
Spot bid price by the value of \<code\>WeightedCapacity</code>.\n\n@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the
fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of
\<code\>WeightedCapacity</code>.\n\n@return Returns a reference to this object so that method calls can be chained
together.*/",

"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : ":",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,

"varargSetterDocumentation" : "/**\nThe bid price per unit hour for the specified instance type. If this value is not
specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the
Spot bid price by the value of \<code\>WeightedCapacity</code>.\n\n@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the
fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of
\<code\>WeightedCapacity</code>.\n\n@return Returns a reference to this object so that method calls can be chained
together.*/",

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "The bid price per unit hour for the specified instance type. If this value is not specified,
the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid
price by the value of \<code\>WeightedCapacity</code>.\n\n\n\nReturns a reference to this object so that method calls can be chained
together.*/",

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} },
Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withAddressingType",
"getterDocumentation" : "/**<p>Deprecated.</p>
@return Deprecated.*/",
"getterMethodName" : "getAddressingType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AddressingType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "addressingType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AddressingType",
"setterDocumentation" : "/**<p>Deprecated.</p>
@param addressingType Deprecated.
@return
Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setAddressingType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "addressingType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Deprecated.</p>
@param addressingType Deprecated.
@return
Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "addressingType",
"variableType" : "String",
"documentation" : "<p>Deprecated.</p>",
"simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"BlockDeviceMappings" : {
  "c2jName" : "BlockDeviceMappings",
  "c2jShape" : "BlockDeviceMappingList",
  "deprecated" : false,
  "documentation" : "<p>One or more block device mapping entries</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more block device mapping entries</p>
@param blockDeviceMappings One or more block device mapping entries
@return Returns a reference to this object so that method calls can be chained together */",
  "fluentSetterMethodName" : "withBlockDeviceMappings",
  "getterDocumentation" : "/**<p>One or more block device mapping entries</p>
@return One or more block device mapping entries
*/",
  "getterMethodName" : "getBlockDeviceMappings",
  "getterModel" : {
    "returnType" : "java.util.List<BlockDeviceMapping>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDeviceMapping",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "blockDeviceMapping",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "BlockDeviceMapping",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*\n
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "BlockDeviceMapping",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n* @param member *
* @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n* @param member @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "BlockDeviceMapping",
  "variableName" : "member",
  "variableType" : "BlockDeviceMapping",
  "documentation" : "",
  "simpleType" : "BlockDeviceMapping",
  "variableSetterType" : "BlockDeviceMapping"}
"variableSetterType" : "BlockDeviceMapping",
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "BlockDeviceMapping",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "BlockDeviceMapping",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
"templateType" : "java.util.List<BlockDeviceMapping>",
"map" : false,
"mapModel" : null,
"name" : "BlockDeviceMappings",
"setterDocumentation" : "/**<p>One or more block device mapping entries.</p>
@param\n@param blockDeviceMappings One or more block device mapping entries.*\n*/
getterMethodName" : "getBlockDeviceMappings",
"getterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more block device mapping entries.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link
setBlockDeviceMappings(java.util.Collection)} or {@link #withBlockDeviceMappings(java.util.Collection)} if
you want to override the existing values.</p>
@noReturn Returns a reference to this object so that method calls can be chained together.*\n*/
getter" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<BlockDeviceMapping>",
  "variableName" : "blockDeviceMappings",
  "variableType" : "java.util.List<BlockDeviceMapping>",
  "documentation" : "<p>One or more block device mapping entries.</p>",
  "simpleType" : "List<BlockDeviceMapping>",
  "variableSetterType" : "java.util.Collection<BlockDeviceMapping>",
},
"xmlNameSpaceUri" : null
},
"EbsOptimized" : {
  "c2jName" : "EbsOptimized",
}
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code> </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code> </p>
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together */",
"fluentSetterMethodName" : "withEbsOptimized",
"getterDocumentation" : "/**<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default: <code>false</code> </p>
@return Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> <p>Default:<code>false</code>
@return Returns a reference to this object so that method calls can be chained together */",
"getterMethodName" : "getEbsOptimized",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "EbsOptimized",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ebsOptimized",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EbsOptimized",
"setterDocumentation" : "/**\nIndicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\nDefault: <code>false</code> */
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\nDefault: <code>false</code>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEbsOptimized",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\nDefault: <code>false</code> */
@param ebsOptimized Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\nDefault: <code>false</code>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsOptimized",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.\n\nDefault: <code>false</code> </p>"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
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"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
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"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IamInstanceProfile" : {
"c2jName" : "IamInstanceProfile",
"c2jShape" : "IamInstanceProfileSpecification",
"deprecated" : false,
"documentation" : "The IAM instance profile.\n\nDefault: <code>null</code> Returns a reference to this object so that method calls can be chained together.*/",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIamInstanceProfile",
"getterDocumentation" : "/**<p>The IAM instance profile.</p>
@return The IAM instance profile.*/",
"getterMethodName" : "getIamInstanceProfile",
"getterModel" : {
"returnType" : "IamInstanceProfileSpecification",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IamInstanceProfile",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iamInstanceProfile",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamInstanceProfile",
"setterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIamInstanceProfile",
"setterModel" : {
"variableDeclarationType" : "IamInstanceProfileSpecification",
"variableName" : "iamInstanceProfile",
"variableType" : "IamInstanceProfileSpecification",
"documentation" : "",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IAM instance profile.</p>
@param iamInstanceProfile The IAM instance profile.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "iamInstanceProfile",
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"documentation" : "",
"simpleType" : "IamInstanceProfileSpecification",
"variableSetterType" : "IamInstanceProfileSpecification"}
"variableType": "IamInstanceProfileSpecification",
"documentation": "<p>The IAM instance profile.</p>",
"simpleType": "IamInstanceProfileSpecification",
"variableSetterType": "IamInstanceProfileSpecification"
},
"xmlNameSpaceUri": null
},
"ImageId": {
  "c2jName": "ImageId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the AMI.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the AMI.</p>
  @param imageId The ID of the AMI.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withImageId",
  "getterDocumentation": "/**<p>The ID of the AMI.</p>
  @return The ID of the AMI.
  */",
  "getterMethodName": "getImageId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "ImageId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "imageId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "ImageId",
  "setterDocumentation": "/**<p>The ID of the AMI.</p>
  @param imageId The ID of the AMI.
  */",
  "setterMethodName": "setImageId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "imageId"
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"vargSetterDocumentation": "/**<p>The ID of the AMI.</p>
@param imageId The ID of the AMI.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "imageId",
"variableType": "String",
"documentation": "<p>The ID of the AMI.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"InstanceType": {
 "c2jName": "InstanceType",
 "c2jShape": "InstanceType",
 "deprecated": false,
 "documentation": "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
 "enumType": "InstanceType",
 "fluentSetterDocumentation": "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.</p>",
 "fluentSetterMethodName": "withInstanceType",
 "getterDocumentation": "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@return The instance type. Note that T2 and HS1 instance types are not supported.
@see InstanceType*/",
 "getterMethodName": "getInstanceType",
 "getterModel": {
 "returnType": "String",
 "documentation": null
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 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
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 "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "instanceType",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceType",
"setterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@see InstanceType*/",
"setterMethodName" : "setInstanceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"KernelId" : {
"c2jName" : "KernelId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel:
@return Returns a reference to this object so that method calls can be chained together.
@see KernelId*/",
"fluentSetterMethodName" : "withKernelId",
"getterDocumentation" : "/**<p>The ID of the kernel.</p>
@return The ID of the kernel.
@see getKernelId*/",
"getterMethodName" : "getKernelId"
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "KernelId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "kernelId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "KernelId",
"setterDocumentation": "/**<p>The ID of the kernel.</p>
@param kernelId The ID of the kernel.</p>*/",
"setterMethodName": "setKernelId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": ""/**<p>The ID of the kernel.</p>\n@param kernelId The ID of the kernel.\n\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kernelId",
  "variableType": "String",
  "documentation": "<p>The ID of the kernel.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
"KeyName" : {
    "c2jName" : "KeyName",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKeyName",
    "getterDocumentation" : "/**<p>The name of the key pair.</p>
@return The name of the key pair."/",
    "getterMethodName" : "getKeyName",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "KeyName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "keyName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "KeyName",
    "setterDocumentation" : "/**<p>The name of the key pair.</p>
@param keyName The name of the key pair.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setKeyName",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "keyName",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
"varargSetterDocumentation" : "/**\n<p>The name of the key pair.</p>
@param keyName The name of the key pair.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "keyName",
  "variableType" : "String",
  "documentation" : "<p>The name of the key pair.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Monitoring" : {
  "c2jName" : "Monitoring",
  "c2jShape" : "SpotFleetMonitoring",
  "deprecated" : false,
  "documentation" : "<p>Enable or disable monitoring for the instances.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMonitoring",
  "getterDocumentation" : "/**\n<p>Enable or disable monitoring for the instances.</p>
@return Enable or disable monitoring for the instances.*/",
  "getterMethodName" : "getMonitoring",
  "getterModel" : {
    "returnType" : "SpotFleetMonitoring",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Monitoring",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "monitoring",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"name" : "Monitoring",
"setterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.*/",
"setterMethodName" : "setMonitoring",
"setterModel" : {
    "variableDeclarationType" : "SpotFleetMonitoring",
    "variableName" : "monitoring",
    "variableType" : "SpotFleetMonitoring",
    "documentation" : "",
    "simpleType" : "SpotFleetMonitoring",
    "variableSetterType" : "SpotFleetMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Enable or disable monitoring for the instances.</p>
@param monitoring Enable or disable monitoring for the instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotFleetMonitoring",
    "variableName" : "monitoring",
    "variableType" : "SpotFleetMonitoring",
    "documentation" : "<p>Enable or disable monitoring for the instances.</p>
"simpleType" : "SpotFleetMonitoring",
    "variableSetterType" : "SpotFleetMonitoring"
},
"xmlNameSpaceUri" : null
},
"NetworkInterfaces" : {
    "c2jName" : "NetworkInterfaces",
    "c2jShape" : "InstanceNetworkInterfaceSpecificationList",
    "deprecated" : false,
    "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
"enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
"numberOfArguments" : "//param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
"return" : "//param networkInterfaces Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaces",
    "getterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
"numberOfArguments" : "//param networkInterfaces One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.
"return" : "//param networkInterfaces Returns one or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.*/",
    "getterMethodName" : "getNetworkInterfaces",
    "getterModel" : {
        "returnType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
        "documentation" : null
    }
}
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"variable" : {
"variableDeclarationType" : "InstanceNetworkInterfaceSpecification",
"variableName" : "member",
"variableType" : "InstanceNetworkInterfaceSpecification",
"documentation" : "",
"simpleType" : "InstanceNetworkInterfaceSpecification",
"variableSetterType" : "InstanceNetworkInterfaceSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceNetworkInterfaceSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceNetworkInterfaceSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
"templateType" : "java.util.List<InstanceNetworkInterfaceSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaces",
"setterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must
specify subnet IDs and security group IDs using the network interface.

```java
@Param networkInterfaces
One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface. */

setterMethodName" : "setNetworkInterfaces",
"setterModel" : {
  "variableDeclarationType" :
  "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
  "variableName" : "networkInterfaces",
  "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
  "documentation" : "",
  "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
  "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
},
"simple" : false,
  "varargSetterDocumentation" : "/**<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>
   <b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setNetworkInterfaces(java.util.Collection)] or [@link #withNetworkInterfaces(java.util.Collection)] if you want to override the existing values.</p>
@Param networkInterfaces
One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface. */

  "variable" : {
    "variableDeclarationType" :
    "com.amazonaws.internal.SdkInternalList<InstanceNetworkInterfaceSpecification>",
    "variableName" : "networkInterfaces",
    "variableType" : "java.util.List<InstanceNetworkInterfaceSpecification>",
    "documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
    "simpleType" : "List<InstanceNetworkInterfaceSpecification>",
    "variableSetterType" : "java.util.Collection<InstanceNetworkInterfaceSpecification>"
  },
  "xmlNameSpaceUri" : null
},
"Placement" : {
  "c2jName" : "Placement",
  "c2jShape" : "SpotPlacement",
  "deprecated" : false,
  "documentation" : "<p>The placement information.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The placement information.</p>
   @Param placement
   The placement information. */

@Param placement
The placement information. */

  "fluentSetterMethodName" : "withPlacement",
  "getterDocumentation" : "/**<p>The placement information.</p>
   @Param return
   The placement information. */

  "getterMethodName" : "getPlacement",
  "getterModel" : {
    "returnType" : "SpotPlacement",
    "documentation" : null
  }
}
```
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Placement",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "placement",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Placement",
"setterDocumentation" : "/**<p>The placement information.</p>\n@see placement The placement information.*/",
"setterMethodName" : "setPlacement",
"setterModel" : {
    "variableDeclarationType" : "SpotPlacement",
    "variableName" : "placement",
    "variableType" : "SpotPlacement",
    "documentation" : "",
    "simpleType" : "SpotPlacement",
    "variableSetterType" : "SpotPlacement"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The placement information.</p>\n@see placement The placement information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotPlacement",
    "variableName" : "placement",
    "variableType" : "SpotPlacement",
    "documentation" : "<p>The placement information.</p>",
    "simpleType" : "SpotPlacement",
    "variableSetterType" : "SpotPlacement"
},
"xmlNameSpaceUri" : null
},
"RamdiskId" : {
    "c2jName" : "RamdiskId",
    "c2jShape" : "String"
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRamdiskId",
"getterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return The ID of the RAM disk.*/",
"getterMethodName" : "getRamdiskId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "RamdiskId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ramdiskId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RamdiskId",
"setterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setRamdiskId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ramdiskId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the RAM disk.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {

"variableDeclarationType": "String",
"variableName": "ramdiskId",
"variableType": "String",
"documentation": "<p>The ID of the RAM disk.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"SecurityGroups": {
  "c2jName": "SecurityGroups",
  "c2jShape": "GroupIdentifierList",
  "deprecated": false,
  "documentation": "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withSecurityGroups",
  "getterDocumentation": "/**<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.</p>
@return One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
  "getterMethodName": "getSecurityGroups",
  "getterModel": {
    "returnType": "java.util.List<GroupIdentifier>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "GroupSet",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "groupSet",
    "uri": false
  }
}
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "GroupIdentifier",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
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        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "GroupIdentifier",
            "variableName" : "member",
            "variableType" : "GroupIdentifier",
            "documentation" : "",
            "deprecated" : false,
            "enumType" : null
        }
    }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "GroupIdentifier",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "GroupIdentifier",
            "variableName" : "member",
            "variableType" : "GroupIdentifier",
            "documentation" : "",
            "deprecated" : false,
            "enumType" : null
        }
    }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "GroupIdentifier",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "GroupIdentifier",
            "variableName" : "member",
            "variableType" : "GroupIdentifier",
            "documentation" : "",
            "deprecated" : false,
            "enumType" : null
        }
    }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "GroupIdentifier",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "Item",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "GroupIdentifier",
            "variableName" : "member",
            "variableType" : "GroupIdentifier",
            "documentation" : "",
            "deprecated" : false,
            "enumType" : null
        }
    }
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "c2jName" : "member",
        "c2jShape" : "GroupIdentifier",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
        "fluentSetterMethodName" : "withMember",
        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
        "getterModel" : {
            "returnType" : "GroupIdentifier",
            "documentation" : null
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        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
        },
        "idempotencyToken" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "name" : "Member",
        "setterDocumentation" : "/**\n@param member */",
        "setterMethodName" : "setMember",
        "setterModel" : {
            "variableDeclarationType" : "GroupIdentifier",
            "variableName" : "member",
            "variableType" : "GroupIdentifier",
            "documentation" : "",
            "deprecated" : false,
            "enumType" : null
        }
    }
}
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "GroupIdentifier",
"documentation" : "",
"simpleType" : "GroupIdentifier",
"variableSetterType" : "GroupIdentifier"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "GroupIdentifier",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "GroupIdentifier",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"templateType" : "java.util.List<GroupIdentifier>
},
"map" : false,
"mapModel" : null,
"name" : "SecurityGroups",
"setterDocumentation" : "/**\nOne or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.\n*/\n@param securityGroups One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.*/",
"setterMethodName" : "setSecurityGroups",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<GroupIdentifier>",
"variableName" : "securityGroups",
"variableType" : "java.util.List<GroupIdentifier>",
"documentation" : "",
"simpleType" : "List<GroupIdentifier>",
"variableSetterType" : "java.util.Collection<GroupIdentifier>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\nOne or more security groups. When requesting instances in a VPC, you
must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

**NOTE:** This method appends the values to the existing list (if any). Use 

```java
@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection)
```

if you want to override the existing values.

When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

```java
@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection)
```

If you want to override the existing values.

When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

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@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection)
```

If you want to override the existing values.

When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.

```java
@link #setSecurityGroups(java.util.Collection) or
@link #withSecurityGroups(java.util.Collection)
```

If you want to override the existing values.

When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of the security groups.
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@param spotPrice The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of <code>WeightedCapacity</code>.

@return Returns a reference to this object so that method calls can be chained together.</p>*/";
Spot bid price by the value of `<code>WeightedCapacity</code>`.

```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \"subnet-a61dacf, subnet-65ea5f08\"."",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \"subnet-a61dacf, subnet-65ea5f08\".

@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \"subnet-a61dacf, subnet-65ea5f08\".

@returns The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \"subnet-a61dacf, subnet-65ea5f08\".
",
"getterMethodName" : "getSubnetId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SubnetId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "subnetId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "SubnetId",
"setterDocumentation": "/**<p>The ID of the subnet in which to launch the instances. To specify multiple
subnets, separate them using commas; for example, \\"subnet-a61dafcf, subnet-65ea5f08\".</p>
@param subnetId
The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for
example, \\"subnet-a61dafcf, subnet-65ea5f08\".*/",
"setterMethodName": "setSubnetId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the subnet in which to launch the instances. To specify
multiple subnets, separate them using commas; for example, \\"subnet-a61dafcf, subnet-65ea5f08\".</p>
@param subnetId The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using
commas; for example, \\"subnet-a61dafcf, subnet-65ea5f08\".
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableDeclarationType": "String",
  "variableName": "subnetId",
  "variableType": "String",
  "documentation": "<p>The ID of the subnet in which to launch the instances. To specify multiple subnets,
separate them using commas; for example, "subnet-a61dafcf, subnet-65ea5f08".</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UserData": {
  "c2jName": "UserData",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The user data to make available to the instances. If you are using an AWS SDK or
command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.<p/>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The user data to make available to the instances. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>
@param userData The user data to make available to the instances. If you are using an AWS SDK or command line tool,
Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withUserData",
  "getterDocumentation": "/**<p>The user data to make available to the instances. If you are using an AWS SDK
or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
"}
you must provide Base64-encoded text. Otherwise, you must provide Base64-encoded text.*"},
   "getterMethodName" : "getUserData",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "UserData",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "userData",
      "uri" : false
   },
   "idempotencyToken" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "name" : "UserData",
   "setterDocumentation" :="/**<p>The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.</p>//\n\@param userData The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.*/",
   "setterMethodName" : "setUserData",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "userData",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "varargSetterDocumentation" :="/**<p>The user data to make available to the instances. If you are using an
AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file.
Otherwise, you must provide Base64-encoded text.</p>//\n\@param userData The user data to make available to the instances. If you are using an AWS
SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise,
you must provide Base64-encoded text.*/"
load the text from a file. Otherwise, you must provide Base64-encoded text. In return, you provide Base64-encoded text.

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "userData",
    "variableType" : "String",
    "documentation" : "The user data to make available to the instances. If you are using an AWS SDK or
    command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
    must provide Base64-encoded text.
    
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"WeightedCapacity" : {
    "c2jName" : "WeightedCapacity",
    "c2jShape" : "Double",
    "deprecated" : false,
    "documentation" : "The number of units provided by the specified instance type. These are the same units
    that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory,
    or I/O).
    If the target capacity divided by this value is not a whole number, we round the number of
    instances to the next whole number. If this value is not specified, the default is 1.
    In return, you provide Base64-encoded text.

    "enumType" : null,
    "fluentSetterDocumentation" : "The number of units provided by the specified instance type. These are the
    same units that you chose to set the target capacity in terms (instances or a performance characteristic such as
    vCPUs, memory, or I/O).
    If the target capacity divided by this value is not a whole number, we round the number of
    instances to the next whole number. If this value is not specified, the default is 1.

    "param weightedCapacity The number of units provided by the specified instance type. These are the same units
    that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory,
    or I/O).
    If the target capacity divided by this value is not a whole number, we round the number of
    instances to the next whole number. If this value is not specified, the default is 1.
    In return, you provide Base64-encoded text.

    "getterDocumentation" : "The number of units provided by the specified instance type. These are the
    same units that you chose to set the target capacity in terms (instances or a performance characteristic such as
    vCPUs, memory, or I/O).
    If the target capacity divided by this value is not a whole number, we round the number of
    instances to the next whole number. If this value is not specified, the default is 1.
    In return, you provide Base64-encoded text.

    "getterMethodName" : "getWeightedCapacity",
    "getterModel" : {
        "returnType" : "Double",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
    }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "WeightedCapacity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "weightedCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "WeightedCapacity",
"setterDocumentation" : "/**\n * The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
 */
 * \n * @param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
 */
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"setterMethodName" : "setWeightedCapacity",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "weightedCapacity",
  "variableType" : "Double",
  "documentation" : "",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
 */
 * \n * @param weightedCapacity The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O).
 */
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"variable" : {
  "variableDeclarationType" : "Double",

"variableName": "weightedCapacity",
"variableType": "Double",
"documentation": "The number of units provided by the specified instance type. These are the same units that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory, or I/O). If the target capacity divided by this value is not a whole number, we round the number of instances to the next whole number. If this value is not specified, the default is 1."",

"simpleType": "Double",
"variableSetterType": "Double"
},
"xmlNameSpaceUri": null
}
]
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "SpotFleetLaunchSpecification",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "SpotFleetLaunchSpecification",
"variableName": "spotFleetLaunchSpecification",
"variableType": "SpotFleetLaunchSpecification",
"documentation": null,
"simpleType": "SpotFleetLaunchSpecification",
"variableSetterType": "SpotFleetLaunchSpecification"
},
"wrapper": false
],
"SpotFleetMonitoring": [{
"c2jName": "SpotFleetMonitoring",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "Describes whether monitoring is enabled."",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
}
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Enables monitoring for the instance.</p> <p>Default: false</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Enables monitoring for the instance.</p> <p>Default: false</p> 
@param enabled Enables monitoring for the instance.</p> <p>Default: false</p> 
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>Enables monitoring for the instance.</p> <p>Default: false</p> 
@return Enables monitoring for the instance.</p> <p>Default: false</p>*/",
"getterMethodName" : "getEnabled",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "enabled",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Enabled",
"setterDocumentation" : "/**<p>Enables monitoring for the instance.</p> <p>Default: false</p> 
@param enabled Enables monitoring for the instance.</p> <p>Default: false</p>*/",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean" 
}.
"simple" : true,
"varargSetterDocumentation" : "/**<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code></p>
@param enabled Enables monitoring for the instance.</p> <p>Default: <code>false</code>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code></p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}]},
"membersAsMap" : {
  "Enabled" : {
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code></p>
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code></p>
    @param enabled Enables monitoring for the instance.</p> <p>Default: <code>false</code>
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withEnabled",
    "getterDocumentation" : "<p>Enables monitoring for the instance.</p> <p>Default: <code>false</code>
    
    "getterMethodName" : "getEnabled",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Enabled",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "enabled",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Enabled",
"setterDocumentation" : "/**<p>Enables monitoring for the instance.</p>
@param enabled Enables monitoring for the instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</param>*/",
"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Enables monitoring for the instance.</p>
@param enabled Enables monitoring for the instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</param>*/",
"variable" : {
"variableDeclarationType" : "SpotFleetMonitoring",
"variableName" : "spotFleetMonitoring",
"variableType" : "SpotFleetMonitoring",
"documentation" : null,
"simpleType" : "SpotFleetMonitoring",
"variableSetterType" : "SpotFleetMonitoring"
},
"wrapper" : false
"SpotFleetRequestConfig" : {
    "c2jName" : "SpotFleetRequestConfig",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a Spot fleet request.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [ {
        "c2jName" : "SpotFleetRequestId",
        "c2jShape" : "String",
        "deprecated" : false,
        "documentation" : "<p>The ID of the Spot fleet request.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**\n\n@param spotFleetRequestId The ID of the Spot fleet request.\n\n@return The ID of the Spot fleet request.*/",
        "getterDocumentation" : "/**\n\n@return The ID of the Spot fleet request.*/",
        "getterMethodName" : "getSpotFleetRequestId",
        "getModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocationName" : "SpotFleetRequestId",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "spotFleetRequestId",
        }
    }
},
"SpotFleetRequestConfig" : {
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The ID of
the Spot fleet request.</p>*/",
"setterMethodName" : "setSpotFleetRequestId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot fleet request.</p>
@param spotFleetRequestId The
ID of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained
together.
"*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "SpotFleetRequestState",
"c2jShape" : "BatchState",
"deprecated" : false,
"documentation" : "<p>The state of the Spot fleet request.</p>",
"enumType" : "BatchState",
"fluentSetterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@return Returns a reference to this object so that method calls can be chained
together.
@see BatchState*/",
"fluentSetterMethodName" : "withSpotFleetRequestState",
"getterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@return The state of the Spot fleet
request.
@see BatchState*/",
"getterMethodName" : "getSpotFleetRequestState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotFleetRequestState",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotFleetRequestState",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestState",
"setterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@see BatchState*/",
"setterMethodName" : "setSpotFleetRequestState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The state of the Spot fleet request.</p>
@param spotFleetRequestState The state of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.
@see BatchState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "<p>The state of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "SpotFleetRequestConfig",
"varargSetterDocumentation" : "/**\n* Information about the configuration of the Spot fleet request.\n* @param spotFleetRequestConfig Information about the configuration of the Spot fleet request.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfigData",
  "variableName" : "spotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfigData",
  "documentation" : "<p>Information about the configuration of the Spot fleet request.</p>",
  "simpleType" : "SpotFleetRequestConfigData",
  "variableSetterType" : "SpotFleetRequestConfigData"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CreateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The creation date and time of the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The creation date and time of the request.</p>\n* @param createTime The creation date and time of the request.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCreateTime",
"getterDocumentation" : "<p>The creation date and time of the request.</p>\n* @return The creation date and time of the request.*/",
"getterMethodName" : "getCreateTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The creation date and time of the request.</p>
@param createTime The creation date and time of the request.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The creation date and time of the request.</p>
@param createTime The creation date and time of the request.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The creation date and time of the request.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
{ "c2jName" : "ActivityStatus",
  "c2jShape" : "ActivityStatus",
  "deprecated" : false,
  "documentation" : "<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending termination</code> while Spot instances are terminating.</p>
  "enumType" : "ActivityStatus",
  "fluentSetterDocumentation" : "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending termination</code> while Spot instances are terminating.</p>
  @see ActivityStatus*/",
  "fluentSetterMethodName" : "withActivityStatus",
  "getterDocumentation" : "/**<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending termination</code> while Spot instances are terminating.</p>
  @see ActivityStatus*/",
  "getterMethodName" : "getActivityStatus",
  "getValue" : "valueOf",
  "simple" : true,
  "value" : {
"valueDeclarationType" : "java.lang.String",
"valueName" : "activityStatus",
"valueType" : "java.lang.String",
"documentation" : "<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending termination</code> while Spot instances are terminating.</p>"}
The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

```
The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
```

```java
/**
 * The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
 */
```

```
/**
 * The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
 */
```

```
/**
 * The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
 */
```

```
/**
 * The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
 */
```

```
/**
 * The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
 */
```
"simple": true,

"varargSetterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the
fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>*/

@param activityStatus The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the
fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.*/

@return Returns a reference to this object so that method calls can be chained together.*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "activityStatus",
  "variableType": "String",
  "documentation": "The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the
fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "ActivityStatus": {
    "c2jName": "ActivityStatus",
    "c2jShape": "ActivityStatus",
    "deprecated": false,
    "documentation": "The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the
fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

"enumType": "ActivityStatus",
"fluentSetterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

@see ActivityStatus*/

"fluentSetterMethodName": "withActivityStatus",
"getterDocumentation": "/**<p>The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

@see ActivityStatus*/

"getC2jName": "ActivityStatus",
"getDocumentation": "The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is
decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

@see ActivityStatus*/

"getVariableDeclarationType": "String",
"getVariableName": "activityStatus",
"getVariableType": "String",
"getXmlNameSpaceUri": null
}
the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.

```java
/*<p>The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>
@param activityStatus The progress of the Spot fleet request. If there is an error, the status is <code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.
*/
```

```java
setterMethodName" : "setActivityStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "activityStatus",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The progress of the Spot fleet request. If there is an error, the status is
```
The progress of the Spot fleet request. If there is an error, the status is `<code>error</code>`. After all bids are placed, the status is `<code>pending_fulfillment</code>`. If the size of the fleet is equal to or greater than its target capacity, the status is `<code>fulfilled</code>`. If the size of the fleet is decreased, the status is `<code>pending_termination</code>` while Spot instances are terminating.

```java
/**
 * The progress of the Spot fleet request. If there is an error, the status is `<code>error</code>`. After all bids are placed, the status is `<code>pending_fulfillment</code>`. If the size of the fleet is equal to or greater than its target capacity, the status is `<code>fulfilled</code>`. If the size of the fleet is decreased, the status is `<code>pending_termination</code>` while Spot instances are terminating.
 */
```
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "createTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The creation date and time of the request.<p>*/
@param createTime The creation date and time of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The creation date and time of the request.<p>*/
@param createTime The creation date and time of the request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The creation date and time of the request.</p>
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestConfig" : {
"c2jName" : "SpotFleetRequestConfig",
"c2jShape" : "SpotFleetRequestConfigData",
"deprecated" : false,
"documentation" : "<p>Information about the configuration of the Spot fleet request.</p>
"simpleType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.<p>*/
@param spotFleetRequestConfig Information about the configuration of the Spot fleet request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotFleetRequestConfig",
"getterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.<p>*/
"getterMethodName" : "getSpotFleetRequestConfig",
"getterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"}
"getterMethodName" : "getSpotFleetRequestConfig",
"getterModel" : {
    "returnType" : "SpotFleetRequestConfigData",
    "documentation" : null
},

"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SpotFleetRequestConfig",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "spotFleetRequestConfig",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "SpotFleetRequestConfig",

"setterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.</p>
@param spotFleetRequestConfig Information about the configuration of the Spot fleet request.*/",

"setterMethodName" : "setSpotFleetRequestConfig",

"setterModel" : {
    "variableDeclarationType" : "SpotFleetRequestConfigData",
    "variableName" : "spotFleetRequestConfig",
    "variableType" : "SpotFleetRequestConfigData",
    "documentation" : "",
    "simpleType" : "SpotFleetRequestConfigData",
    "variableSetterType" : "SpotFleetRequestConfigData"
},

"simple" : false,

"varargSetterDocumentation" : "/**<p>Information about the configuration of the Spot fleet request.</p>
\n@vararg spotFleetRequestConfig Information about the configuration of the Spot fleet request.\n
@returns Returns a reference to this object so that method calls can be chained together.*/",

"variable" : {
    "variableDeclarationType" : "SpotFleetRequestConfigData",
    "variableName" : "spotFleetRequestConfig",
    "variableType" : "SpotFleetRequestConfigData",
    "documentation" : "<p>Information about the configuration of the Spot fleet request.</p>",
    "simpleType" : "SpotFleetRequestConfigData",
    "variableSetterType" : "SpotFleetRequestConfigData"
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the Spot fleet request.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "spotFleetRequestId",
"variableType" : "String",
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SpotFleetRequestState" : {
"c2jName" : "SpotFleetRequestState",
"c2jShape" : "BatchState",
"deprecated" : false,
"documentation" : "<p>The state of the Spot fleet request.</p>",
"enumType" : "BatchState",
"fluentSetterDocumentation" : "/*<p>The state of the Spot fleet request.</p>\n@returns A reference to this object so that method calls can be chained together.\n@see BatchState*/",
"fluentSetterMethodName" : "withSpotFleetRequestState",
"getterDocumentation" : "/*<p>The state of the Spot fleet request.</p>\n@returns The state of the Spot fleet request.\n@see BatchState*/",
"getterMethodName" : "getSpotFleetRequestState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotFleetRequestState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotFleetRequestState",
"xmlNameSpaceUri" : null
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotFleetRequestState",
"setterDocumentation" : "/*\n@ see BatchState*/",
"setterMethodName" : "setSpotFleetRequestState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
  "simple" : true,
"varargSetterDocumentation" : "/*\n@ see BatchState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotFleetRequestState",
  "variableType" : "String",
  "documentation" : "<p>The state of the Spot fleet request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "SpotFleetRequestId", "SpotFleetRequestState", "SpotFleetRequestConfig", "CreateTime" ],
"shapeName" : "SpotFleetRequestConfig",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotFleetRequestConfig",
  "variableName" : "SpotFleetRequestConfig",
  "variableType" : "SpotFleetRequestConfig",
  "documentation" : null,
  "simpleType" : "SpotFleetRequestConfig",
  "xmlNameSpaceUri" : null
}
"variableSetterType" : "SpotFleetRequestConfig",
"wrapper" : false
",
"SpotFleetRequestConfigData" : {
  "c2jName" : "SpotFleetRequestConfigData",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the configuration of a Spot fleet request."
},
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  { "c2jName" : "ClientToken",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "enumType" : null,
    "fluentSetterDocumentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "fluentSetterMethodName" : "withClientToken",
    "getterDocumentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
    "getterMethodName" : "getClientToken",
    "getterModel" : {
      "returnType" : "String",
    }
  ]
**ClientToken**

A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html).

```java
public void setClientToken(String clientToken) {
    // Set the clientToken
}

// Get the clientToken
public String getClientToken() {
    // Get the clientToken
}
```

### setterDocumentation

> A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see [Ensuring Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html).

### setterMethodName

```
public void setClientToken(String clientToken) {
    // Set the clientToken
}
```

### setterModel

```
variableDeclarationType : "String",
variableName : "clientToken",
variableType : "String",
documentation : "",
simpleType : "String",
variableSetterType : "String"
```
"variableDeclarationType" : "String",
"variableName" : "clientToken",
"variableType" : "String",
"documentation" : "A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
}, {
"c2jName" : "SpotPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The bid price per unit hour.",
"enumType" : null,
"fluentSetterDocumentation" : "The bid price per unit hour.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "The bid price per unit hour.\n@return The bid price per unit hour.*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "SpotPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "spotPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "The bid price per unit hour.\n@return The bid price per unit hour.*/"}
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The bid price per unit hour</p>\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "The bid price per unit hour. 
@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
  "xmlNameSpaceUri" : null
},
{ "c2jName" : "TargetCapacity",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.

@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**\n<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\n@returns\n\nReturns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetCapacity",
"getterDocumentation" : "/**\n<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\n@returns\n\nReturns the number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.*/",
"getterMethodName" : "getTargetCapacity",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetCapacity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetCapacity",
"setterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.<p/>\n@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.*/",
"setterMethodName" : "setTargetCapacity",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "targetCapacity",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.<p/>\n@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "targetCapacity",
   "variableType" : "Integer",
   "documentation" : "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.\”,
   "varargSetterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.*/",
   "varargSetterMethod" : "setTargetCapacity",
   "varargSetterModel" : {
      "variableDeclarationType" : "Integer",
      "variableName" : "targetCapacity",
      "variableType" : "Integer",
      "documentation" : "",
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
   }
}
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
],
"c2jName" : "ValidFrom",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The start date and time of the request, in UTC format (for example,<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</p>\n@param validFrom The start date and time of the request, in UTC format (for example,<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValidFrom",
"getterDocumentation" : "/**<p>The start date and time of the request, in UTC format (for example,<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.</p>\n@return The start date and time of the request, in UTC format (for example,<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request immediately.*/",
"getterMethodName" : "getValidFrom",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). The default is to start fulfilling the request immediately.</p>\n@param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). The default is to start fulfilling the request immediately.*/",
"setterMethodName" : "setValidFrom",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). The default is to start fulfilling the request immediately.</p>\n@param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). The default is to start fulfilling the request immediately.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The start date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). The default is to start fulfilling the request immediately.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ValidUntil",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>\n@param validUntil The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>-<i>HH</i>-<i>MM</i>-<i>SS</i>-<i>Z</i>). At this point, no new Spot instance requests are placed or enabled to fulfill the request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValidUntil",
"getterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example,
At this point, no new Spot instance requests are placed or enabled to fulfill the request.*/",

```
getterMethodName" : "getValidUntil",
getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ValidUntil",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "validUntil",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example,
<tt>&lt;i&gt;YYYY&lt;/i&gt;-&lt;i&gt;MM&lt;/i&gt;-&lt;i&gt;DD&lt;/i&gt;T&lt;i&gt;HH&lt;/i&gt;:&lt;i&gt;MM&lt;/i&gt;:&lt;i&gt;SS&lt;/i&gt;Z&lt;/tt>). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>*/",

```
setterMethodName" : "setValidUntil",
setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The end date and time of the request, in UTC format (for example,
<tt>&lt;i&gt;YYYY&lt;/i&gt;-&lt;i&gt;MM&lt;/i&gt;-&lt;i&gt;DD&lt;/i&gt;T&lt;i&gt;HH&lt;/i&gt;:&lt;i&gt;MM&lt;/i&gt;:&lt;i&gt;SS&lt;/i&gt;Z&lt;/tt>). At this point, no new Spot instance requests are placed or enabled to fulfill the request.</p>*/",

```

in UTC format (for example, `<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z`). At this point, no new Spot instance requests are placed or enabled to fulfill the request.

```java
return Returns a reference to this object so that method calls can be chained together.*/
```

```java
variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "validUntil",
    "variableType" : "java.util.Date",
    "documentation" : "The end date and time of the request, in UTC format (for example, `<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z`). At this point, no new Spot instance requests are placed or enabled to fulfill the request."
},
```

```java
xmlNameSpaceUri" : null
```

```java
c2jName" : "TerminateInstancesWithExpiration",
c2jShape" : "Boolean",
deprecated" : false,
documentation" : "Indicates whether running Spot instances should be terminated when the Spot fleet request expires.

```java
return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/
```

```java
enumType" : null,
"fluentSetterDocumentation" : "/**Indicates whether running Spot instances should be terminated when the Spot fleet request expires.

```java
return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/
```

```java
getterDocumentation" : "/**Indicates whether running Spot instances should be terminated when the Spot fleet request expires.

```java
return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/
```

```java
getterMethodName" : "getTerminateInstancesWithExpiration",
getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

```
http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TerminateInstancesWithExpiration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "terminateInstancesWithExpiration",
    "uri" : false
```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstancesWithExpiration",
"setterDocumentation" : "/**\n<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>\n@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/",
"setterMethodName" : "setTerminateInstancesWithExpiration",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "terminateInstancesWithExpiration",
  "variableType" : "Boolean",
  "documentation" : 
  "Indicates whether running Spot instances should be terminated when the Spot fleet request expires. */",
  "simple" : true,
  "varargSetterDocumentation" : "/**\n<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>\n@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n@return Returns a reference to this object so that method calls can be chained together. */",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "terminateInstancesWithExpiration",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether running Spot instances should be terminated when the Spot fleet request expires. */",
    "simple" : true,
    "varargSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
},
"c2jName" : "IamFleetRole",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>. */",
"enumType" : null,
"fluentSetterDocumentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>. */",
"var" : {
  "c2jName" : "IamFleetRole",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>. */",
  "enumType" : null,
  "fluentSetterDocumentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>. */"
can be chained together.*}/

"getterDocumentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.</p>
@return Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using
<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set
<code>terminateInstancesWithExpiration</code>.*/",
"getterMethodName" : "getIamFleetRole",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IamFleetRole",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iamFleetRole",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IamFleetRole",
"setterDocumentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.</p>
@param iamFleetRole Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using
<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set
<code>terminateInstancesWithExpiration</code>.*/",
"setterMethodName" : "setIamFleetRole",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "iamFleetRole",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>. Returns a reference to this object so that method calls can be chained together.

### LaunchSpecifications

Information about the launch specifications for the Spot fleet request.

**Getter documentation**

```java
public java.util.List<SpotFleetLaunchSpecification> getLaunchSpecifications();
```

**Setter documentation**

```java
public LaunchSpecifications withLaunchSpecifications(java.util.List<SpotFleetLaunchSpecification> launchSpecifications);
```
"variableDeclarationType" : "SpotFleetLaunchSpecification",
"variableName" : "member",
"variableType" : "SpotFleetLaunchSpecification",
"documentation" : "",
"simpleType" : "SpotFleetLaunchSpecification",
"variableSetterType" : "SpotFleetLaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "SpotFleetLaunchSpecification",
"variableName" : "member",
"variableType" : "SpotFleetLaunchSpecification",
"documentation" : "",
"simpleType" : "SpotFleetLaunchSpecification",
"variableSetterType" : "SpotFleetLaunchSpecification"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SpotFleetLaunchSpecification",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SpotFleetLaunchSpecification",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SpotFleetLaunchSpecification>",
"templateType" : "java.util.List<SpotFleetLaunchSpecification>"
},
"map" : false,
"mapModel" : null,
"name" : "LaunchSpecifications",
"setterDocumentation" : "/**<p>Information about the launch specifications for the Spot fleet request.</p>*/
@param launchSpecifications Information about the launch specifications for the Spot fleet request.*/",
"setterMethodName" : "setLaunchSpecifications",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetLaunchSpecification>",
"variableName" : "launchSpecifications",
"variableType" : "java.util.List<SpotFleetLaunchSpecification>",
"documentation" : "",
"simpleType" : "List<SpotFleetLaunchSpecification>",
"variableSetterType" : "java.util.Collection<SpotFleetLaunchSpecification>"
},
"simple" : false,
Information about the launch specifications for the Spot fleet request.

**NOTE:** This method appends the values to the existing list (if any). Use [@link #setLaunchSpecifications(java.util.Collection)] or [@link #withLaunchSpecifications(java.util.Collection)] if you want to override the existing values.

```java
public void varargSetterMethod(SpotFleetLaunchSpecification... launchSpecifications) {
    this.launchSpecifications.addAll(Arrays.asList(launchSpecifications));
}
```

### documentation

- **Documentation:** Information about the launch specifications for the Spot fleet request.
- **Type:** List of SpotFleetLaunchSpecification
- **Setter:** @link #setLaunchSpecifications(java.util.Collection)
- **Getter:** @link #getLaunchSpecifications()
"statusCode" : false,
"unmarshallLocationName" : "excessCapacityTerminationPolicy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExcessCapacityTerminationPolicy",
"setterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@see ExcessCapacityTerminationPolicy*/",
"setterMethodName" : "setExcessCapacityTerminationPolicy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>
@param excessCapacityTerminationPolicy Indicates whether running Spot instances should be terminated if the target
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
@return Returns a reference to this object so that method calls can be chained together.
@see ExcessCapacityTerminationPolicy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "excessCapacityTerminationPolicy",
  "variableType" : "String",
  "documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of
the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "AllocationStrategy",
"c2jShape" : "AllocationStrategy",
"deprecated" : false,
"documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot
fleet request. The default is <code>lowestPrice</code>.</p>",
"enumType" : "AllocationStrategy",
"fluentSetterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools
across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@see AllocationStrategy*/,
"setterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools
across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@see AllocationStrategy*/"}
specified by the Spot fleet request. The default is `<code>lowestPrice</code>`.

@returns Returns a reference to this object so that method calls can be chained together.

@see AllocationStrategy*/

"fluensetterMethodName" : "withAllocationStrategy",

"geterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is `<code>lowestPrice</code>`.</p>*/

"geterMethodName" : "getAllocationStrategy",

"geterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AllocationStrategy",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "allocationStrategy",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "AllocationStrategy",

"setterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is `<code>lowestPrice</code>`.</p>*/

"setterMethodName" : "setAllocationStrategy",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@param allocationStrategy
@see AllocationStrategy*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "allocationStrategy",
  "variableType": "String",
  "documentation": "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null},
{ "c2jName": "FulfilledCapacity",
"c2jShape": "Double",
"deprecated": false,
"documentation": "<p>The number of units fulfilled by this request compared to the set target capacity.</p>

@see AllocationStrategy*/",
"fluentSetterDocumentation": "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>

@see AllocationStrategy*/",
"fluentSetterMethodName": "withFulfilledCapacity",
"getterDocumentation": "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>

@see AllocationStrategy*/",
"getterMethodName": "getFulfilledCapacity",
"getterModel": {
  "returnType": "Double",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "FulfilledCapacity",
  "queryString": null,
  "statusCode": false,
  "unmarshallLocationName": "fulfilledCapacity",
  "uri": false
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "FulfilledCapacity",
"setterDocumentation": /**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.*/",
"setterMethodName": "setFulfilledCapacity",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "fulfilledCapacity",
  "variableType": "Double",
  "documentation": "",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"varargSetterDocumentation": /**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
@param fulfilledCapacity The number of units fulfilled by this request compared to the set target capacity.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "fulfilledCapacity",
  "variableType": "Double",
  "documentation": <p>The number of units fulfilled by this request compared to the set target capacity.</p>
},
"xmlNameSpaceUri": null
},
"c2jName": "Type",
"c2jShape": "FleetType",
"deprecated": false,
"documentation": "<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.</p>
"enumType": "FleetType",
"fluuentSetterDocumentation": /**<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default:
"
<code>maintain</code>.<p>@param type The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.<p>@return Returns a reference to this object so that method calls can be chained
together.<p>@see FleetType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.<p>@return The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.<p>@see FleetType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type"
The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.

The type of request. Indicates whether the fleet will only request the target capacity or also attempt to maintain it. When you request a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to maintain a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: maintain.
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
], {
"c2jName" : "ReplaceUnhealthyInstances",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>\n@param replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.\n@return Indicates whether Spot fleet should replace unhealthy instances.*/",
"fluentSetterMethodName" : "withReplaceUnhealthyInstances",
"getterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>\n@return Indicates whether Spot fleet should replace unhealthy instances.*/",
"getterMethodName" : "getReplaceUnhealthyInstances",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ReplaceUnhealthyInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "replaceUnhealthyInstances",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReplaceUnhealthyInstances",
"setterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>\n@param replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.*/",
"setterMethodName" : "setReplaceUnhealthyInstances",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "replaceUnhealthyInstances",
"variableType" : "Boolean"}
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether Spot fleet should replace unhealthy instances.</p>
@param replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "replaceUnhealthyInstances",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
"AllocationStrategy" : {
"c2jName" : "AllocationStrategy",
"c2jShape" : "AllocationStrategy",
"deprecated" : false,
"documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>",
"enumType" : "AllocationStrategy",
"fluentSetterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@param allocationStrategy Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
@return Returns a reference to this object so that method calls can be chained together.</p>
@see AllocationStrategy*/",
"fluentSetterMethodName" : "withAllocationStrategy",
"getterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@return Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>
@see AllocationStrategy*/",
"getterMethodName" : "getAllocationStrategy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AllocationStrategy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allocationStrategy",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllocationStrategy",
"setterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@param allocationStrategy Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
@see AllocationStrategy*/",
"setterMethodName" : "setAllocationStrategy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>
@param allocationStrategy Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see AllocationStrategy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "allocationStrategy",
  "variableType" : "String",
  "documentation" : "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ClientToken" : {
  "c2jName" : "ClientToken",
  "c2jShape" : "String",
  "deprecated" : false,
A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

### Fluent Setter Documentation

A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
@Param
@Fluent
public String getClientToken();
```

### Getter Documentation

A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

```java
public String getClientToken();
```

### Fluent Setter Method Name

`getClientToken`

### Getter Method Name

`getClientToken`
A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see Ensuring Idempotency.

```java
@get
public String getClientToken();
```

```java
public void setClientToken(String clientToken);
```

A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see Ensuring Idempotency.

```java
public void withExcessCapacityTerminationPolicy(ExcessCapacityTerminationPolicy excessCapacityTerminationPolicy);
```

Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

```java
public void withExcessCapacityTerminationPolicy(ExcessCapacityTerminationPolicy excessCapacityTerminationPolicy);
```

Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.
**getterDocumentation**: 

"Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet."

**getterMethodName**: "getExcessCapacityTerminationPolicy",

**getterModel**: 

- **returnType**: "String",
- **documentation**: null

**http**: 

- **additionalMarshallingPath**: null,
- **additionalUnmarshallingPath**: null,
- **flattened**: false,
- **greedy**: false,
- **header**: false,
- **isPayload**: false,
- **isStreaming**: false,
- **location**: null,
- **marshallLocationName**: "ExcessCapacityTerminationPolicy",
- **queryString**: false,
- **statusCode**: false,
- **unmarshallLocationName**: "excessCapacityTerminationPolicy",
- **uri**: false

**idempotencyToken**: false,

**list**: false,

**listModel**: null,

**map**: false,

**mapModel**: null,

**name**: "ExcessCapacityTerminationPolicy",

**setterDocumentation**: 

"Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet."

**setterMethodName**: "setExcessCapacityTerminationPolicy",

**setterModel**: 

- **variableDeclarationType**: "String",
- **variableName**: "excessCapacityTerminationPolicy",
- **variableType**: "String",
- **documentation**: "",
- **simpleType**: "String",
- **variableSetterType**: "String"

**simple**: true,

**varargSetterDocumentation**: 

"Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet."
capacity of the Spot fleet request is decreased below the current size of the Spot fleet.

```java
@return Returns a reference to this object so that method calls can be chained together.
@see ExcessCapacityTerminationPolicy*/

"variable": {
  "variableDeclarationType": "String",
  "variableName": "excessCapacityTerminationPolicy",
  "variableType": "String",
  "documentation": "<p>Indicates whether running Spot instances should be terminated if the target capacity of the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FulfilledCapacity": {
  "c2jName": "FulfilledCapacity",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": "<p>The number of units fulfilled by this request compared to the set target capacity.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withFulfilledCapacity",
  "getterDocumentation": "/**<p>The number of units fulfilled by this request compared to the set target capacity.</p>
  @return The number of units fulfilled by this request compared to the set target capacity.*/",
  "getterMethodName": "getFulfilledCapacity",
  "getterModel": {
    "returnType": "Double",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "FulfilledCapacity",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "fulfilledCapacity",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null
}
expires, if you set <code>terminateInstancesWithExpiration</code>.<br/>
@returns Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using
<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set
<code>terminateInstancesWithExpiration</code>.<br/>

__getterMethodName__: "getIamFleetRole",
__getterModel__: {
  "returnType" : "String",
  "documentation" : null
},
__http__: {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IamFleetRole",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iamFleetRole",
  "uri" : false
},
__idempotencyToken__ : false,
__list__ : false,
__listModel__ : null,
__map__ : false,
__mapModel__ : null,
__name__ : "IamFleetRole",
__setterDocumentation__ : "**\n\nGrants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using\n<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set\n<code>terminateInstancesWithExpiration</code>.**",
__setterMethodName__ : "setIamFleetRole",
__setterModel__ : {
  "variableDeclarationType" : "String",
  "variableName" : "iamFleetRole",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
__simple__ : true,
__varargSetterDocumentation__ : "**\n\nGrants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using\n<a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set\n<code>terminateInstancesWithExpiration</code>.**"
expires, if you set <code>terminateInstancesWithExpiration</code>.\n@iamFleetRole Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.\n@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "iamFleetRole",
    "variableType" : "String",
    "documentation" : "Grants the Spot fleet permission to terminate Spot instances on your behalf when you cancel its Spot fleet request using <a>CancelSpotFleetRequests</a> or when the Spot fleet request expires, if you set <code>terminateInstancesWithExpiration</code>.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LaunchSpecifications" : {
    "c2jName" : "LaunchSpecifications",
    "c2jShape" : "LaunchSpecsList",
    "deprecated" : false,
    "documentation" : "Information about the launch specifications for the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterDocumentation" : "Information about the launch specifications for the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/

"getterDocumentation" : "Information about the launch specifications for the Spot fleet request.\n@return Returns a reference to this object so that method calls can be chained together.*/

"getterMethodName" : "getLaunchSpecifications",
"getterModel" : {
    "returnType" : "java.util.List<SpotFleetLaunchSpecification>",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "LaunchSpecifications",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "launchSpecifications",
    "uri" : false
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "SpotFleetLaunchSpecification",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together. */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "SpotFleetLaunchSpecification",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "Item",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Member",
    "setterDocumentation": "/**
     * @param member */",
    "setterMethodName": "setMember",
    "setterModel": {
      "variableDeclarationType": "SpotFleetLaunchSpecification",
      "variableName": "member",
      "variableType": "SpotFleetLaunchSpecification"}
"documentation": "", "simpleType": "SpotFleetLaunchSpecification",
"variable Setter Type": "SpotFleetLaunchSpecification"
}, "simple": false,
"vararg Setter Documentation": "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variable Declaration Type": "SpotFleetLaunchSpecification",
"variable Name": "member",
"variable Type": "SpotFleetLaunchSpecification",
"documentation": "",
"simple Type": "SpotFleetLaunchSpecification",
"variable Setter Type": "SpotFleetLaunchSpecification"
},
"XmlElement Namespace": null
},
"member Location Name": "item",
"member Type": "SpotFleetLaunchSpecification",
"map": false,
"marshall Non Auto Constructed Empty Lists": false,
"member Additional Marshalling Path": null,
"member Additional Unmarshalling Path": null,
"send Empty Query String": false,
"simple": false,
"simple Type": "SpotFleetLaunchSpecification",
"template Impl Type": "com.amazonaws.internal.SdkInternalList<SpotFleetLaunchSpecification>",
"template Type": "java.util.List<SpotFleetLaunchSpecification>"
},
"map": false,
"map Model": null,
"name": "Launch Specifications",
"setter Documentation": "/**
\param launch Specifications Information about the launch specifications for the Spot fleet request.\n\param launch Specifications Information about the launch specifications for the Spot fleet request.*/",
"setter Method Name": "set Launch Specifications",
"setter Model": {
"variable Declaration Type": "com.amazonaws.internal.SdkInternalList<SpotFleetLaunchSpecification>",
"variable Name": "launch Specifications",
"variable Type": "java.util.List<SpotFleetLaunchSpecification>",
"documentation": "",
"simple Type": "List<SpotFleetLaunchSpecification>",
"variable Setter Type": "java.util.Collection<SpotFleetLaunchSpecification>"
},
"simple": false,
"vararg Setter Documentation": "/**
\param launch Specifications Information about the launch specifications for the Spot fleet request.\n\param launch Specifications Information about the launch specifications for the Spot fleet request.*/

NOTE: This method appends the values to the existing list (if any). Use [@link #set Launch Specifications(java.util.Collection)] or [@link #with Launch Specifications(java.util.Collection)] if you
want to override the existing values.

@param launchSpecifications Information about the launch specifications for the Spot fleet request.

@return Returns a reference to this object so that method calls can be chained together.

*/

"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SpotFleetLaunchSpecification>",
  "variableName" : "launchSpecifications",
  "variableType" : "java.util.List<SpotFleetLaunchSpecification>",
  "documentation" : "Information about the launch specifications for the Spot fleet request."
},
"xmlNameSpaceUri" : null
},
"ReplaceUnhealthyInstances" : {
  "c2jName" : "ReplaceUnhealthyInstances",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "Indicates whether Spot fleet should replace unhealthy instances."
},
"fluentSetterDocumentation" : "Indicates whether Spot fleet should replace unhealthy instances."
}
"map" : false,
"mapModel" : null,
"name" : "ReplaceUnhealthyInstances",
"setterDocumentation" : "/**
 * Indicates whether Spot fleet should replace unhealthy instances.
 *
 * @param replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.
 */",
"setterMethodName" : "setReplaceUnhealthyInstances",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "replaceUnhealthyInstances",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * Indicates whether Spot fleet should replace unhealthy instances.
 *
 * @param replaceUnhealthyInstances Indicates whether Spot fleet should replace unhealthy instances.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "replaceUnhealthyInstances",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether Spot fleet should replace unhealthy instances.
",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"SpotPrice" : {
  "c2jName" : "SpotPrice",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The bid price per unit hour.",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
 * The bid price per unit hour.
 *
 * @param spotPrice The bid price per unit hour.
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */",
  "fluentSetterMethodName" : "withSpotPrice",
  "getterDocumentation" : "/**
 * The bid price per unit hour.
 *
 * @return The bid price per unit hour.
 */",
  "getterMethodName" : "getSpotPrice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The bid price per unit hour.</p>
@param spotPrice The bid price per unit hour.*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param spotPrice The bid price per unit hour.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "<p>The bid price per unit hour.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"TargetCapacity" : {
  "c2jName" : "TargetCapacity",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O. </p>*/

@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetCapacity",
"getterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O. </p>*/

@return The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.*/",
"getterMethodName" : "getTargetCapacity",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TargetCapacity",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetCapacity",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetCapacity",
"setterDocumentation" : "/**<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O. </p>*/

@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.

@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTargetCapacity",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "targetCapacity"}
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.<p>
@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "targetCapacity",
"variableType" : "Integer",
"documentation" : "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>
@param targetCapacity The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.
@return Returns a reference to this object so that method calls can be chained together.*/",
"simple" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"TerminateInstancesWithExpiration" : {
"c2jName" : "TerminateInstancesWithExpiration",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.<p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
@param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.<p>
@return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
"getterDocumentation" : "/*<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>
@return Indicates whether running Spot instances should be terminated when the Spot fleet request expires.*/",
"getterMethodName" : "getTerminateInstancesWithExpiration",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TerminateInstancesWithExpiration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TerminateInstancesWithExpiration",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TerminateInstancesWithExpiration",
"setterDocumentation" : "\/**\n* Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n* \n* @param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n* \n* @return Returns a reference to this object so that method calls can be chained together.\*/",
"setterMethodName" : "setTerminateInstancesWithExpiration",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "terminateInstancesWithExpiration",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "\/**\n* Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n* \n* @param terminateInstancesWithExpiration Indicates whether running Spot instances should be terminated when the Spot fleet request expires.\n* \n* @return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "terminateInstancesWithExpiration",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>

@varargSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Type" : {
"c2jName" : "Type",
"c2jShape" : "FleetType",

"deprecated" : false,
"documentation" : "<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.</p>
"enumType" : "FleetType",
"fluentSetterDocumentation" : "/**<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.</p>
@param type The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see FleetType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.</p>
@return The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.
@see FleetType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Type",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "type",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "/**<p>The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.\n@<p><span>param type The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.\n@<p>@see FleetType*/",
"setterMethodName": "setType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.\n@<p><span>param type The type of request. Indicates whether the fleet will only
<code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you
<code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to
replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not
available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to
meet this target capacity. It will also automatically replenish any interrupted instances. Default:
<code>maintain</code>.\n@returns Returns a reference to this object so that method calls can be chained
together.\n@see FleetType*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "The type of request. Indicates whether the fleet will only <code>request</code> the
target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target
capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is
diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to
<code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It
will also automatically replenish any interrupted instances. Default: <code>maintain</code>.\n/**
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ValidFrom" : {
  "c2jName" : "ValidFrom",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The start date and time of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the request
immediately.\n**\n  "enumType" : null,
  "fluentSetterDocumentation" : "The start date and time of the request, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the
request immediately.\n@@\n  "fluentSetterMethodName" : "withValidFrom",
  "getterDocumentation" : "The start date and time of the request, in UTC format (for example,
<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The default is to start fulfilling the
request immediately.\n@@\n  "getterMethodName" : "getValidFrom",
  "getterModel" : {
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    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "validFrom",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidFrom",
"setterDocumentation" : "/**\n * The start date and time of the request, in UTC format (for example, <i>YYYY-MM-DD</i> T<i>HH:mm:ss</i>Z). The default is to start fulfilling the request immediately.\n * @param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY-MM-DD</i> T<i>HH:mm:ss</i>Z). The default is to start fulfilling the request immediately.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setValidFrom",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The start date and time of the request, in UTC format (for example, <i>YYYY-MM-DD</i> T<i>HH:mm:ss</i>Z). The default is to start fulfilling the request immediately.\n * @param validFrom The start date and time of the request, in UTC format (for example, <i>YYYY-MM-DD</i> T<i>HH:mm:ss</i>Z). The default is to start fulfilling the request immediately.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "validFrom",
  "variableType" : "java.util.Date",
  "documentation" : "The start date and time of the request, in UTC format (for example, <i>YYYY-MM-DD</i> T<i>HH:mm:ss</i>Z). The default is to start fulfills the request immediately.*/",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null,
"ValidUntil" : {
"c2jName" : "ValidUntil",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request."
"enumType" : null,
"fluentSetterDocumentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request."
"getterDocumentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request."
"getterMethodName" : "getValidUntil",
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"http" : {
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    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ValidUntil",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "validUntil",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ValidUntil",
"setterDocumentation" : "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request."
in UTC format (for example, `<i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>SS</i>Z`). At this point, no new Spot instance requests are placed or enabled to fulfill the request.

```

"setterMethodName": "setValidUntil",
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  "variableName": "validUntil",
  "variableType": "java.util.Date",
  "documentation": "",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "*/\<p>The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.<p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "documentation": "The end date and time of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>SS</i>Z). At this point, no new Spot instance requests are placed or enabled to fulfill the request.",
  "simpleType": "Date",
  "variableSetterType": "java.util.Date"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "SpotPrice", "TargetCapacity", "IamFleetRole", "LaunchSpecifications" ],
"shapeName": "SpotFleetRequestConfigData",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
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  "variableName": "spotFleetRequestConfigData",
  "variableType": "SpotFleetRequestConfigData",
  "documentation": null,
  "simpleType": "SpotFleetRequestConfigData",
  "variableSetterType": "SpotFleetRequestConfigData"
},
"wrapper": false
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"SpotInstanceRequest" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot instance request.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "SpotInstanceRequestId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the Spot instance request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>\n@param
SpotInstanceRequestId The ID of the Spot instance request.\n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withSpotInstanceRequestId",
    "getterDocumentation" : "/**<p>The ID of the Spot instance request.</p>\n@return The ID of the Spot instance request.*/",
    "getterMethodName" : "getSpotInstanceRequestId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "SpotInstanceRequestId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "spotInstanceRequestId",
      "useIn巩
      "useIn巩
      "useIn巩
      "useIn巩
      "useIn巩
      "useIn巩
  },
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotInstanceRequestId",
"setterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
*/", 
"setterMethodName" : "setSpotInstanceRequestId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "spotInstanceRequestId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the Spot instance request.</p>
@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"variableDeclarationType" : "String",
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"variableType" : "String",
".documentation" : "<p>The ID of the Spot instance request.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "SpotPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@return The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
"returnType" : "String",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withSpotPrice",
"getterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>
@return The maximum hourly price (bid) for the Spot instance launched to fulfill the request.
*/",
"getterMethodName" : "getSpotPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null,
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "spotPrice",
  "uri" : false,
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"list" : false,
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"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p><p>@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
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  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p><p>@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
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  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Type",
"c2jShape" : "SpotInstanceType",
"deprecated" : false,
"documentation" : "<p>The Spot instance request type.</p>",
"enumType" : "SpotInstanceType",
"fluentSetterDocumentation" : "/**<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The Spot instance request type.</p>
@return The Spot instance request type.
@see SpotInstanceType*/",
"getterMethodName" : "getType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isStreaming" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**<p>The Spot instance request type.</p>
@param type The Spot instance request type.
@see SpotInstanceType*/",
"setterMethodName" : "setType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Spot instance request type.</p>\n@param type The Spot instance request type.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The Spot instance request type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "State",
"c2jShape" : "SpotInstanceState",
"deprecated" : false,
"enumType" : "SpotInstanceState",
"fluentSetterDocumentation" : "/**\n<p>The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>\n@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceState*/",
"fluentSetterMethodName" : "withState",
@see SpotInstanceState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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"flattened" : false,
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**\n\nThe state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.</p>
\n@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.
@return Returns a reference to this object so that method calls can be chained together.
@see SpotInstanceState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
\n@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.
\n@see SpotInstanceState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the Spot instance request. Spot bid status information can help you track<br>"}
your Spot instance requests. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html"&gt;Spot Bid Status&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;. 

```json

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "Fault",
"c2jShape" : "SpotInstanceStateFault",
"deprecated" : false,
"documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFault",
"getterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@return The fault codes for the Spot instance request, if any.*/",
"getterMethodName" : "getFault",
"getterModel" : {
"returnType" : "SpotInstanceStateFault",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "fault",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Fault",
"setterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setFault",
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"setterModel" : {
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  "variableName" : "fault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : "",
  "simpleType" : "SpotInstanceStateFault",
  "variableSetterType" : "SpotInstanceStateFault"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The fault codes for the Spot instance request, if any.</p>
@param fault
The fault codes for the Spot instance request, if any.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotInstanceStateFault",
  "variableName" : "fault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : <p>The fault codes for the Spot instance request, if any.</p>
  "simpleType" : "SpotInstanceStateFault",
  "variableSetterType" : "SpotInstanceStateFault"
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"xmlNameSpaceUri" : null
},
"c2jName" : "Status",
"c2jShape" : "SpotInstanceStatus",
"deprecated" : false,
"documentation" : <p>The status code and status message describing the Spot instance request.</p>
  "@param status The status code and status message describing the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStatus",
"getterDocumentation" : "/**<p>The status code and status message describing the Spot instance request.</p>
@return The status code and status message describing the Spot instance request.*/",
"getterMethodName" : "getStatus",
"getterModel" : {
  "returnType" : "SpotInstanceStatus",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status code and status message describing the Spot instance request.</p>
@param status The status code and status message describing the Spot instance request.*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "SpotInstanceStatus",
  "variableName" : "status",
  "variableType" : "SpotInstanceStatus",
  "documentation" : "",
  "simpleType" : "SpotInstanceStatus",
  "variableSetterType" : "SpotInstanceStatus"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The status code and status message describing the Spot instance request.</p>
@param status The status code and status message describing the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SpotInstanceStatus",
  "variableName" : "status",
  "variableType" : "SpotInstanceStatus",
  "documentation" : "<p>The status code and status message describing the Spot instance request.</p>",
  "simpleType" : "SpotInstanceStatus",
  "variableSetterType" : "SpotInstanceStatus"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ValidFrom",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.</p>
@param validFrom The start date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValidFrom"
"getterDocumentation" : "/**<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.</i></p>*/
@return The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.*/",
"setterDocumentation" : "/**<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and
time.</i></p>*/
@param validFrom The start date of the request, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.*/"
The start date of the request, in UTC format (for example, YYYY-MM-DD HH:mm:ssZ). The request becomes active at this date and time.

```
/**
 * @return Returns a reference to this object so that method calls can be chained together.*
 */
```

```
private java.util.Date validFrom;
```

```
public java.util.Date getValidFrom() {
    return validFrom;
}
```

```
public void setValidFrom(java.util.Date validFrom) {
    this.validFrom = validFrom;
}
```

The end date of the request, in UTC format (for example, YYYY-MM-DD HH:mm:ssZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

```
/**
 * The end date of the request, in UTC format (for example, YYYY-MM-DD HH:mm:ssZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
 */
```

```
private java.util.Date validUntil;
```

```
public java.util.Date getValidUntil() {
    return validUntil;
}
```

```
public void setValidUntil(java.util.Date validUntil) {
    this.validUntil = validUntil;
}
```
The end date of the request, in UTC format (for example, YYYY-MM-DD HH:MM:SSZ). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. Returns a reference to this object so that method calls can be chained together.
canceled or this date is reached.

```java
class LaunchGroup {
    private Date createdAt;
    private Date terminatedAt;
    // other fields and methods...

    public LaunchGroup() {
        // default constructor
    }

    public LaunchGroup(Date createdAt, Date terminatedAt) {
        this.createdAt = createdAt;
        this.terminatedAt = terminatedAt;
    }

    // getter and setter methods...
}
```

The instance launch group. Launch groups are Spot instances that launch together and terminate together.

```java
public void launchSpotInstances(String launchGroup) {
    // method to launch Spot instances in a launch group
}
```

Launch groups are Spot instances that launch together and terminate together.

```java
public void terminateSpotInstances(String launchGroup) {
    // method to terminate Spot instances in a launch group
}
```

Launch groups are Spot instances that launch together and terminate together.
instances that launch together and terminate together.*"/

.setterMethodName" : "setLaunchGroup",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "launchGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that
launch together and terminate together.</p>\n@param launchGroup The instance launch group. Launch groups are
Spot instances that launch together and terminate together.</p>
@return Returns a reference to this object so that
method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "launchGroup",
  "variableType" : "String",
  "documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and
terminate together.</p>
@param launchGroup The instance launch group. Launch groups are Spot instances that launch together and
terminate together.
@return Returns a reference to this object so that method calls can be chained together.*"/

.instances that launch together and terminate together.*"/

."setterMethodName" : "setLaunchGroup",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "launchGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance launch group. Launch groups are Spot instances that
launch together and terminate together.</p>
@param launchGroup The instance launch group. Launch groups are
Spot instances that launch together and terminate together.
@return Returns a reference to this object so that
method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "launchGroup",
  "variableType" : "String",
  "documentation" : "<p>The instance launch group. Launch groups are Spot instances that launch together and
terminate together.</p>
@param launchGroup The instance launch group. Launch groups are Spot instances that launch together and
terminate together.
@return Returns a reference to this object so that method calls can be chained together.*"/

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZoneGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZoneGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group 
for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot 
instance requests, all Spot instances are launched in the same Availability Zone.*"",
"setterMethodName" : "setAvailabilityZoneGroup",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone 
group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot 
instance requests, all Spot instances are launched in the same Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot 
instance requests, all Spot instances are launched in the same Availability Zone.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "c2jName" : "LaunchSpecification",
  "c2jShape" : "LaunchSpecification",
  "deprecated" : false,
  "documentation" : "<p>Additional information for launching instances.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Additional information for launching instances.</p>
@<param launchSpecification Additional information for launching instances.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withLaunchSpecification",
  "getterDocumentation" : "/**<p>Additional information for launching instances.</p>
@return Additional information for launching instances.*/",
  "getterMethodName" : "getLaunchSpecification",
  "getterModel" : {
    "returnType" : "LaunchSpecification",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "LaunchSpecification",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "launchSpecification",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "LaunchSpecification",
  "setterDocumentation" : "/**<p>Additional information for launching instances.</p>
@<param launchSpecification Additional information for launching instances.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setLaunchSpecification",
  "setterModel" : {
    "variableDeclarationType" : "LaunchSpecification",
    "variableName" : "launchSpecification",
    "variableType" : "LaunchSpecification",
    "documentation" : "",
    "simpleType" : "LaunchSpecification",
  },
"variableSetterType" : "LaunchSpecification"
},
"simple" : false,
"varargSetterDocumentation" : "/**
** Additional information for launching instances.
*/
@param launchSpecification Additional information for launching instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
"variableDeclarationType" : "LaunchSpecification",
"variableName" : "launchSpecification",
"variableType" : "LaunchSpecification",
"documentation" : "Additional information for launching instances.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variableSetterType" : "LaunchSpecification"
},
"xmlnsNameSpaceUri" : null
],
"c2jName" : "InstanceId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The instance ID, if an instance has been launched to fulfill the Spot instance request.

/**
** The instance ID, if an instance has been launched to fulfill the Spot instance request.
*/
@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**
** The instance ID, if an instance has been launched to fulfill the Spot instance request.
*/
@return The instance ID, if an instance has been launched to fulfill the Spot instance request.
*/
getterMethodName" : "getInstanceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.*/
@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCreateTime",
  "getterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCreateTime",
  "getterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/
"enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).*/
  "xmlNameSpaceUri" : null
},
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
"getterMethodName" : "getCreateTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
}"}
"variableName" : "createTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:MM:SSZ</i>). </p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>The product description associated with the Spot instance.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**<p>The product description associated with the Spot instance.</p>
@param productDescription The product description associated with the Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**<p>The product description associated with the Spot instance.</p>
@return The product description associated with the Spot instance.
@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ProductDescription",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "productDescription",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "/**<p>The product description associated with the Spot instance.</p>
@param productDescription The product description associated with the Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/".
"setterMethodName" : "setProductDescription",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "productDescription",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The product description associated with the Spot instance.</p>
@param productDescription The product description associated with the Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "productDescription",
    "variableType" : "String",
    "documentation" : "<p>The product description associated with the Spot instance.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"c2jName" : "BlockDurationMinutes",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "<p>The duration for the Spot instance, in minutes.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"fluentSetterMethodName" : "withBlockDurationMinutes",
"getterDocumentation" : "/**
<p>The duration for the Spot instance, in minutes.</p>
@return The duration for the Spot instance, in minutes.
@see RIProductDescription*/",
"getterMethodName" : "getBlockDurationMinutes",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "BlockDurationMinutes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "blockDurationMinutes",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BlockDurationMinutes",
"setterDocumentation" : "/**<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.*/",
"setterMethodName" : "setBlockDurationMinutes",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "<p>The duration for the Spot instance, in minutes.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "ActualBlockHourlyPrice",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>
@return Returns a reference to this object so that method calls can be chained together.*/"
"fluentSetterMethodName" : "withActualBlockHourlyPrice",
"getterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>@return If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.*/",
"getterMethodName" : "getActualBlockHourlyPrice",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ActualBlockHourlyPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "actualBlockHourlyPrice",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ActualBlockHourlyPrice",
"setterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>@param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.*/",
"setterMethodName" : "setActualBlockHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "actualBlockHourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>@param actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.<p>\n@return Returns a reference to this object so that method calls can be chained

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If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.

```java
variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "actualBlockHourlyPrice",
    "variableType" : "String",
    "documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>@param tags Any tags assigned to the resource.@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the resource.</p>@return Any tags assigned to the resource.",
"getterMethodName" : "getTags",
"getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
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    "unmarshallLocationName" : "tagSet",
    "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
```
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n * Any tags assigned to the resource.\n */\n @param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Any tags assigned to the resource.\n */\n @param tags Any tags assigned to the resource.\n <b>NOTE: </b>This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.\n @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the resource.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
"c2jName" : "LaunchedAvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The Availability Zone in which the bid is launched.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The Availability Zone in which the bid is launched.&lt;/p&gt;&lt;param

launchedAvailabilityZone The Availability Zone in which the bid is launched.&lt;/p&gt;&lt;\n@return Returns a reference to this

Availability Zone in which the bid is launched.&lt;/p&gt;&lt;\ngetterMethodDocumentation" : "/**&lt;p&gt;The Availability Zone in which the bid is launched.&lt;/p&gt;&lt;\n.setterMethodDocumentation" : "/**&lt;p&gt;The Availability Zone in which the bid is launched.&lt;/p&gt;&lt;\n"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "LaunchedAvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "launchedAvailabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "LaunchedAvailabilityZone",
"setterDocumentation" : "/**&lt;p&gt;The Availability Zone in which the bid is launched.&lt;/p&gt;&lt;\n.setterMethodName" : "setLaunchedAvailabilityZone",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone in which the bid is launched.</p>
@param
launchedAvailabilityZone The Availability Zone in which the bid is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "launchedAvailabilityZone",
"variableType" : "String",
"documentation" : "<p>The Availability Zone in which the bid is launched.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"ActualBlockHourlyPrice" : {
"c2jName" : "ActualBlockHourlyPrice",
"c2jShape" : "String",
"documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\nIf you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withActualBlockHourlyPrice",
"getterDocumentation" : "/*\nIf you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.\n@return If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.*/",
"getterMethodName" : "getActualBlockHourlyPrice",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ActualBlockHourlyPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "actualBlockHourlyPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ActualBlockHourlyPrice",
"setterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was fulfilled, this is
the fixed hourly price in effect for the Spot instance while it runs.</p>@param actualBlockHourlyPrice If you
specified a duration and your Spot instance request was fulfilled, this is the fixed
hourly price in effect for the Spot instance while it runs.*///",
"setterMethodName" : "setActualBlockHourlyPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "actualBlockHourlyPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>If you specified a duration and your Spot instance request was
fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>@param
actualBlockHourlyPrice If you specified a duration and your Spot instance request was fulfilled, this is the fixed
hourly price in effect for the Spot instance while it runs.</p>
@return Returns a reference to this object so that method
calls can be chained together.*///",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "actualBlockHourlyPrice",
  "variableType" : "String",
  "documentation" : "<p>If you specified a duration and your Spot instance request was fulfilled, this is the
fixed hourly price in effect for the Spot instance while it runs.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AvailabilityZoneGroup" : {
  "c2jName" : "AvailabilityZoneGroup",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone group. If you specify the same Availability Zone group for all
Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>"}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>*/
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName" : "withAvailabilityZoneGroup",
"getterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>
@return The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.*/",
"getterMethodName" : "getAvailabilityZoneGroup",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZoneGroup",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZoneGroup",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZoneGroup",
"setterDocumentation" : "/**<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>*/
@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodName" : "setAvailabilityZoneGroup",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "availabilityZoneGroup",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**\n * The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.
\n@param availabilityZoneGroup The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZoneGroup",
  "variableType" : "String",
  "documentation" : "The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"BlockDurationMinutes" : {
  "c2jName" : "BlockDurationMinutes",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The duration for the Spot instance, in minutes.
\n@param blockDurationMinutes The duration for the Spot instance, in minutes.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterDocumentation" : "/**\n * The duration for the Spot instance, in minutes.
 \n * @param blockDurationMinutes The duration for the Spot instance, in minutes.
 \n * @return The duration for the Spot instance, in minutes.
 */",
  "fluentSetterMethodName" : "withBlockDurationMinutes",
  "getterDocumentation" : "/**\n * The duration for the Spot instance, in minutes.
 \n * @return The duration for the Spot instance, in minutes.
 */",
  "getterMethodName" : "getBlockDurationMinutes",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "BlockDurationMinutes",
    "queryString" : false,
    "statusString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "blockDurationMinutes",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "BlockDurationMinutes",
"setterDocumentation" : "/**<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.*/",
"setterMethodName" : "setBlockDurationMinutes",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The duration for the Spot instance, in minutes.</p>
@param blockDurationMinutes The duration for the Spot instance, in minutes.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "blockDurationMinutes",
  "variableType" : "Integer",
  "documentation" : "p>The duration for the Spot instance, in minutes.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"CreateTime" : {
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The date and time when the Spot instance request was created, in UTC format (for example, <code>YYYY/MM/DDTHH:MM:SSZ</code>).</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <code>YYYY/MM/DDTHH:MM:SSZ</code>).</p>
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, <code>YYYY/MM/DDTHH:MM:SSZ</code>).\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCreateTime",
  "getterDocumentation" : "/**<p>The date and time when the Spot instance request was created, in UTC format (for example, <code>YYYY/MM/DDTHH:MM:SSZ</code>).</p>

"xmlNameSpaceUri" : null
"
format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).\n
@return The date and time when the Spot instance request was created, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).*/

"getterMethodName" : "getCreateTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CreateTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "createTime",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : /**\p>The date and time when the Spot instance request was created, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).\n
@param createTime The date and time when the Spot instance request was created, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).*/

"setterMethodName" : "setCreateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*\p>The date and time when the Spot instance request was created, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).\n
@name createTime The date and time when the Spot instance request was created, in UTC format (for example, \texttt{YYYY-MM-DD HH:MM:SS Z}).\n
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The date and time when the Spot instance request was created, in UTC format (for example, <i>YYYY-MM-DD</i>T<i>HH:MM:SS</i>Z).</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simpleTypeSpaceUri" : null
},
"Fault" : {
    "c2jName" : "Fault",
    "c2jShape" : "SpotInstanceStateFault",
    "deprecated" : false,
    "documentation" : "The fault codes for the Spot instance request, if any.

/**
 * The fault codes for the Spot instance request, if any.
 * @param fault The fault codes for the Spot instance request, if any.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
"fluentSetterDocumentation" : "The fault codes for the Spot instance request, if any.

@getterDocumentation" : "The fault codes for the Spot instance request, if any.

@getterMethodName" : "getFault",
"getterModel" : {
    "returnType" : "SpotInstanceStateFault",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Fault",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "fault",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Fault",
"setterDocumentation" : "/**\n<p>The fault codes for the Spot instance request, if any.</p>\n@param fault The fault codes for the Spot instance request, if any.*/",
"setterMethodName" : "setFault",
"setterModel" : {
    "variableDeclarationType" : "SpotInstanceStateFault",
    "variableName" : "fault",
    "variableType" : "SpotInstanceStateFault",
    "documentation" : "",
    "simpleType" : "SpotInstanceStateFault",
    "variableSetterType" : "SpotInstanceStateFault"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The fault codes for the Spot instance request, if any.</p>\n@param fault The fault codes for the Spot instance request, if any.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "SpotInstanceStateFault",
    "variableName" : "fault",
    "variableType" : "SpotInstanceStateFault",
    "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
    "simpleType" : "SpotInstanceStateFault",
    "variableSetterType" : "SpotInstanceStateFault"
},
"xmlNameSpaceUri" : null
},
"InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>\n@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : "/**\n<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>\n@return The instance ID, if an instance has been launched to fulfill the Spot instance request.*/",
    "getterMethodName" : "getInstanceId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p><p>@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.</p>*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The instance ID, if an instance has been launched to fulfill the Spot instance request.</p><p>@param instanceId The instance ID, if an instance has been launched to fulfill the Spot instance request.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "The instance ID, if an instance has been launched to fulfill the Spot instance request.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LaunchGroup" : {
  "c2jName" : "LaunchGroup",
  "c2jShape" : "String",
  "deprecated" : false,
The instance launch group. Launch groups are Spot instances that launch together and terminate together.

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The instance launch group. Launch groups are Spot instances that launch together and terminate together.

The instance launch group. Launch groups are Spot instances that launch together and terminate together.
The instance launch group. Launch groups are Spot instances that launch together and terminate together. 

`@param launchGroup The instance launch group. Launch groups are Spot instances that launch together and terminate together. 

`@return Returns a reference to this object so that method calls can be chained together.

Additional information for launching instances.

`@param launchSpecification Additional information for launching instances. 

`@return Additional information for launching instances.

`@param LaunchSpecification Additional information for launching instances.

`@return Additional information for launching instances.


"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "LaunchSpecification",
"setterDocumentation": "/**\n*p>Additional information for launching instances.\n@\nparam launchSpecification Additional information for launching instances.*/",
"setterMethodName": "setLaunchSpecification",
"setterModel": {
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  "variableName": "launchSpecification",
  "variableType": "LaunchSpecification",
  "documentation": "",
  "simpleType": "LaunchSpecification",
  "variableSetterType": "LaunchSpecification"
},
"simple": false,
"varargSetterDocumentation": "/**\n*p>Additional information for launching instances.\n@\nparam launchSpecification Additional information for launching instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "LaunchSpecification",
  "documentation": "<p>Additional information for launching instances.</p>",
  "simpleType": "LaunchSpecification",
  "variableSetterType": "LaunchSpecification"
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"xmlNameSpaceUri": null
},
"LaunchedAvailabilityZone": {
  "c2jName": "LaunchedAvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The Availability Zone in which the bid is launched.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n*p>The Availability Zone in which the bid is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withLaunchedAvailabilityZone",
  "getterDocumentation": "/**\n*p>The Availability Zone in which the bid is launched.\n@return The Availability Zone in which the bid is launched.*/",
  "getterMethodName": "getLaunchedAvailabilityZone",
  "getterModel": {
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    "documentation": null
  }
}
"http": {
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    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "statusCode": false,
    "unmarshallLocationName": "launchedAvailabilityZone",
    "uri": false
},
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"name": "LaunchedAvailabilityZone",
"setterDocumentation": "/**\n\pnThe Availability Zone in which the bid is launched.\n@\n@param launchedAvailabilityZone The Availability Zone in which the bid is launched.*/",
"setterMethodName": "setLaunchedAvailabilityZone",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "launchedAvailabilityZone",
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    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n\pnThe Availability Zone in which the bid is launched.\n@\n@param launchedAvailabilityZone The Availability Zone in which the bid is launched.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableName": "launchedAvailabilityZone",
    "variableType": "String",
    "documentation": "\n\pnThe Availability Zone in which the bid is launched.\n",
    "simpleType": "String",
    "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"ProductDescription": {
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "The product description associated with the Spot instance.\n@return a reference to this object so that method calls can be chained together.\n@see RIProductDescription",
"fluentSetterDocumentation" : "The product description associated with the Spot instance.\n@param productDescription\n@return Returns a reference to this object so that method calls can be chained together.\n@see RIProductDescription",
"getterDocumentation" : "The product description associated with the Spot instance.\n@return The product description associated with the Spot instance.\n@see RIProductDescription",
"getterMethodName" : "getProductDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ProductDescription",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "productDescription",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ProductDescription",
"setterDocumentation" : "The product description associated with the Spot instance.\n@param productDescription\n@return The product description associated with the Spot instance.\n@see RIProductDescription",
"setterMethodName" : "setProductDescription",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "productDescription",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": "/**<p>The product description associated with the Spot
instance.</p>*/\n@param productDescription The product description associated with the Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"variable": {
  "variableDeclarationType": "String",
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  "variableType": "String",
  "documentation": "<p>The product description associated with the Spot instance.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"SpotInstanceRequestId": {
  "c2jName": "SpotInstanceRequestId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the Spot instance request.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the Spot instance request.</p>*/\n@param spotInstanceRequestId The ID of the Spot instance request.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName": "withSpotInstanceRequestId",
  "getterDocumentation": "/**<p>The ID of the Spot instance request.</p>*/\n@return The ID of the Spot instance request.
*/",
  "getterMethodName": "getSpotInstanceRequestId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "SpotInstanceRequestId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "spotInstanceRequestId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SpotPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "spotPrice",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SpotPrice",
"setterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.*/",
"setterMethodName" : "setSpotPrice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>@param spotPrice The maximum hourly price (bid) for the Spot instance launched to fulfill the request.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "spotPrice",
  "variableType" : "String",
  "documentation" : "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"State" : {
"c2jName" : "State",
"c2jShape" : "SpotInstanceState",
"deprecated" : false,

"enumType" : "SpotInstanceState",

@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.

@return Returns a reference to this object so that method calls can be chained together.

@see SpotInstanceState*/",
"fluentSetterMethodName" : "withState",

@return The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the Amazon Elastic Compute Cloud User Guide.

@see SpotInstanceState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**\nThe state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@see SpotInstanceState*/",
"setterMethodName": "setState",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\nThe state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@param state The state of the Spot instance request. Spot bid status information can help you track your Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html">Spot Bid Status</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceState*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Status": {
    "c2jName": "Status",
    "c2jShape": "SpotInstanceState",
    "deprecated": false,
    "documentation": "The status code and status message describing the Spot instance request.\n\n@see SpotInstanceState*/",
    "enumType": null,
    "fluentSetterDocumentation": "/**\nThe status code and status message describing the Spot instance request.\n\n@param status The status code and status message describing the Spot instance request.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see SpotInstanceState*/"
"variableType" : "SpotInstanceStatus",
"documentation" : "<p>The status code and status message describing the Spot instance request.</p>",
"simpleType" : "SpotInstanceStatus",
"variableSetterType" : "SpotInstanceStatus"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p><param tags Any tags assigned to the resource.</param><return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "<p>Any tags assigned to the resource.</p><param tags Any tags assigned to the resource.</param><return Any tags assigned to the resource.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",}
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
}
,
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to the resource.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "nodeName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.</p>
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "nodeName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "Any tags assigned to the resource.*/",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "SpotInstanceType",
  "deprecated" : false,
  "documentation" : "<p>The Spot instance request type.</p>",
  "enumType" : "SpotInstanceType",
  "fluentSetterDocumentation" : "/**<p>The Spot instance request type.</p>
@\param type The Spot instance request type.<br>@return Returns a reference to this object so that method calls can be chained together.<br>@see SpotInstanceType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The Spot instance request type.</p>
@\return The Spot instance request type.<br>@see SpotInstanceType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "Type",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "type",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Type",
  "setterDocumentation" : "/**<p>The Spot instance request type.</p>
@\param type The Spot instance request type.<br>@return Returns a reference to this object so that method calls can be chained together.<br>@see SpotInstanceType*/",
  "setterMethodName" : "setType",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "type",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,
"varargSetterDocumentation" : "*/p>The Spot instance request type.</p>@param type The Spot instance request type.<p>@return Returns a reference to this object so that method calls can be chained together.</p>@see SpotInstanceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "<p>The Spot instance request type.</p>

@simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"ValidFrom" : {
"c2jName" : "ValidFrom",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The start date of the request, in UTC format (for example, \$YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.</p>

@enumType" : null,
"fluentSetterDocumentation" : "*/p>The start date of the request, in UTC format (for example, \$YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.</p>@param validFrom The start date of the request, in UTC format (for example, \$YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.

@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withValidFrom",
"getterDocumentation" : "*/p>The start date of the request, in UTC format (for example, \$YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.</p>@return The start date of the request, in UTC format (for example, \$YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). The request becomes active at this date and time.*/",
"getterMethodName" : "getValidFrom",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ValidFrom"
**ValidFrom**

```java
/*
 * The start date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.
 */
```

```java
private java.util.Date validFrom;

public void setValidFrom(java.util.Date validFrom) {
    this.validFrom = validFrom;
}
```

**ValidUntil**

```java
/*
 * The end date of the request, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ). The request becomes active at this date and time.
 */
```

```java
private java.util.Date validUntil;

public void setValidUntil(java.util.Date validUntil) {
    this.validUntil = validUntil;
}
```
The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

```java
@parameter validUntil The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.

@return Returns a reference to this object so that method calls can be chained together.

/**
 * The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
 * @return The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
 */

getterMethodName = "getValidUntil",
getterModel = {
  "returnType" = "java.util.Date",
  "documentation" = null
},

http = {
  "additionalMarshallingPath" = null,
  "additionalUnmarshallingPath" = null,
  "flattened" = false,
  "greedy" = false,
  "header" = false,
  "isPayload" = false,
  "isStreaming" = false,
  "location" = null,
  "marshallLocationName" = "ValidUntil",
  "queryString" = false,
  "statusCode" = false,
  "unmarshallLocationName" = "validUntil",
  "uri" = false
},
idempotencyToken = false,
list = false,
listModel = null,
map = false,
mapModel = null,
name = "ValidUntil",
setterDocumentation = "/**
 * The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
 */

"fluentSetterDocumentation" = "/**
 * The end date of the request, in UTC format (for example, \texttt{YYYY-MM-DD HH-MM-SS Z}). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.
 */

"fluentSetterMethodName" = "withValidUntil",

return = false,
result = false,
resultModel = {
  "returnType" = "java.util.Date",
  "documentation" = null
},

status = false,
statusModel = null,
structure = false,
structureModel = null,

...
all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. */

@param validUntil The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i-DD</i>L<i-T<i-HH</i>:i-MM</i>:i-SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. */

setterMethodName" : "setValidUntil",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i-DD</i>L<i-T<i-HH</i>:i-MM</i>:i-SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. */

@param validUntil The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i-DD</i>L<i-T<i-HH</i>:i-MM</i>:i-SS</i>Z). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached. */

return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "validUntil",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNamespaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "SpotInstanceRequest",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotInstanceRequest",
  "variableName" : "spotInstanceRequest", Open Source Used In Virtualized Voice Browser 12.6(1) 26424
"variableType" : "SpotInstanceRequest",
"documentation" : null,
"simpleType" : "SpotInstanceRequest",
"variableSetterType" : "SpotInstanceRequest"
},
"wrapper" : false
},
"SpotInstanceState" : {
"c2jName" : "SpotInstanceState",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ { "name" : "Open",
"value" : "open"
}, { "name" : "Active",
"value" : "active"
}, { "name" : "Closed",
"value" : "closed"
}, { "name" : "Cancelled",
"value" : "cancelled"
}, { "name" : "Failed",
"value" : "failed"
}
],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotInstanceState",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}
"variable" : {
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    "variableName" : "spotInstanceState",
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    "documentation" : null,
    "simpleType" : "SpotInstanceState",
    "variableSetterType" : "SpotInstanceState"
},
"wrapper" : false
},
"SpotInstanceStateFault" : {
    "c2jName" : "SpotInstanceStateFault",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes a Spot instance state change.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
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            "c2jName" : "Code",
            "c2jShape" : "String",
            "deprecated" : false,
            "documentation" : "<p>The reason code for the Spot instance state change.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>
@<param code
The reason code for the Spot instance state change.$@<return Returns a reference to this object so that method calls can be chained together.$*/",
            "fluentSetterMethodName" : "withCode",
            "getterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>
@<return The reason code for the Spot instance state change.$*/",
            "getterMethodName" : "getCode",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
            }
        }
    ]
}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Code",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "code",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Code",
"setterDocumentation": "/**\n<p>The reason code for the Spot instance state change.</p>
@param code The reason code for the Spot instance state change.</n*/",
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"setterModel": {
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  "variableName": "code",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The reason code for the Spot instance state change.</n>/\n@param code The reason code for the Spot instance state change.\n@return Returns a reference to this object so that method calls can be chained together.</n*/",
"variable": {
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  "variableType": "String",
  "documentation": "<p>The reason code for the Spot instance state change.</n>",
  "simpleType": "String",
  "variableSetterType": "String"
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"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The message for the Spot instance state change.</n>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMessage",
"getterDocumentation": "/**<p>The message for the Spot instance state change.</p>
@return The message for the Spot instance state change. */",
"getterMethodName": "getMessage",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Message",
  "queryString": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Message",
"setterDocumentation": "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName": "setMessage",
"setterModel": {
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  "variableName": "message",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "returnType": "String",
  "documentation": null
}
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"variableName": "message",
"variableType": "String",
"documentation": "<p>The message for the Spot instance state change.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
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 "c2jName": "Code",
 "c2jShape": "String",
 "deprecated": false,
 "documentation": "<p>The reason code for the Spot instance state change.</p>",
 "enumType": null,
 "fluentSetterDocumentation": "/**
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 @param code The reason code for the Spot instance state change.
 @return Returns a reference to this object so that method calls can be chained together.</p>*/",
 "fluentSetterMethodName": "withCode",
 "getterDocumentation": "/**
 <p>The reason code for the Spot instance state change.</p>
 @return The reason code for the Spot instance state change.</n",
 "getterMethodName": "getCode",
 "getterModel": {
 "returnType": "String",
 "documentation": null
 },
 "http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocationName": "Code",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "code",
 "uri": false
 },
 "idempotencyToken": false,
 "list": false,
 "listModel": null,
 "map": false,
 "mapModel": null,
 "name": "Code",
"setterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>\n@param code The reason code for the Spot instance state change.</*/",
"setterMethodName" : "setCode",
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  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason code for the Spot instance state change.</p>\n@param code The reason code for the Spot instance state change.\n@return Returns a reference to this object so that method calls can be chained together.</*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The reason code for the Spot instance state change.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The message for the Spot instance state change.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The message for the Spot instance state change.</p>\n@param message The message for the Spot instance state change.\n@return Returns a reference to this object so that method calls can be chained together.</*/",
  "fluentSetterMethodName" : "withMessage",
  "getterDocumentation" : "/**<p>The message for the Spot instance state change.</p>\n@return The message for the Spot instance state change.</*/",
  "getterMethodName" : "getMessage",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Message",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The message for the Spot instance state change.</p>
@param message The message for the Spot instance state change.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>The message for the Spot instance state change.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotInstanceStateFault",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable" : {
  "variableDeclarationType" : "SpotInstanceStateFault",
  "variableName" : "SpotInstanceStateFault",
  "variableType" : "SpotInstanceStateFault",
  "documentation" : null,
  "simpleType" : "SpotInstanceStateFault",
  "variableSetterType" : "SpotInstanceStateFault"
},
"wrapper" : false
},
"SpotInstanceStatus" : {
  "c2jName" : "SpotInstanceStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the status of a Spot instance request.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {"c2jName" : "Code",
     "c2jShape" : "String",
     "deprecated" : false,
    "enumType" : null,
    "fluentSetterDocumentation" : "The status code. For a list of status codes, see<a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand'>Spot Bid Status Codes</a> in the<i>Amazon Elastic Compute Cloud User Guide</i></p>\n@Param code The status code. For a list of status codes, see<a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand'>Spot Bid Status Codes</a> in the<i>Amazon Elastic Compute Cloud User Guide</i></p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCode",
    "getterDocumentation" : "The status code. For a list of status codes, see<a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand'>Spot Bid Status Codes</a> in the<i>Amazon Elastic Compute Cloud User Guide</i></p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "getterMethodName" : "getCode",
    "documentation" : "<p>The status code. For a list of status codes, see<a href='http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand'>Spot Bid Status Codes</a> in the<i>Amazon Elastic Compute Cloud User Guide</i>.</p>
", "errorReason": null, "errorReasonString": null
}
Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide.

```json
"getterMethodName" : "getCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Code",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "code",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
```
Spot Bid Status Codes

The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide.

>Returns a reference to this object so that method calls can be chained together.*/*

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "code",
    "variableType" : "String",
    "documentation" : "The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide."
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UpdateTime",
"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ)."

"fluentSetterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).</p>
@param updateTime The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).
@return Returns a reference to this object so that method calls can be chained together.*/*

"fluentSetterMethodName" : "withUpdateTime",
"getterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).</p>
@return The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).*/

"getterMethodName" : "getUpdateTime",
"getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "UpdateTime",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "updateTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "UpdateTime",
"setterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>). The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>).*/
@param updateTime The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>). */",
"setterMethodName" : "setUpdateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>). The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>).\n@return Returns a reference to this object so that method calls can be chained together. */",
"varargSetterMethodName" : "withUpdateTime",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>). The date and time of the most recent status update, in UTC format (for example, <i>YYYY-MM-DD</i> <i>HH:mm:ss</i> <i>Z</i>).\n</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The description for the status code.</p>
  "simpleType" : "String",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null,
"fluentSetterDocumentation" : "/**<p>The description for the status code.</p>
  \n  @param message The description for the status code.</p>
  \n  @return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>The description for the status code.</p>
@return The description for the status code.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "message",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>The description for the status code.</p>
@param message The description for the status code.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description for the status code.</p>
@param message The description for the status code.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>The description for the status code.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
] ],
"membersAsMap": {
"Code": {
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"c2jShape": "String",
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"enumType": null,
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCode",
*/",
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"getterModel": {
"returnType": "String",
"documentation": null
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"unmarshallLocationName": "code",
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
@param code The status code. For a list of status codes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-bid-status.html#spot-instance-bid-status-understand">Spot Bid Status Codes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.*/",
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  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The description for the status code. */",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The description for the status code. */
@param message The
description for the status code.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**\n<p>The description for the status code.</p>\n@return The description for the status code.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Message",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "message",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**\n<p>The description for the status code.</p>\n@param message The description for the status code.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The description for the status code.</p>\n@param message The description for the status code.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableType" : "String",
  "variableName" : "message"
}
"variableName" : "message",
"variableType" : "String",
"documentation" : "The description for the status code.\n\n**Release note:** The description for the status code is no longer stringified.\n\n```
"message": "The description for the status code."
```
\n**HTTP status codes**
\n- 200 OK
- 201 Created
- 204 No Content
- 400 Bad Request
- 404 Not Found
- 409 Conflict
- 500 Internal Server Error\n\n\n**Retry-After**
\n- 0
\n\n\n**Content-Type**
\n- application/json\n\n**Example request**
\n```
GET /v1/status HTTP/1.1
Host: example.com

```
\n**Example response**
\n```
HTTP/1.1 200 OK
Content-Type: application/json

"status": 200,
"message": "OK"
```

"map" : false,
"mapModel" : null,
"name" : "UpdateTime",
"setterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DD HH:MM:SS).</p>
@param updateTime The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DD HH:MM:SS).
*/",
"setterMethodName" : "setUpdateTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DD HH:MM:SS).</p>
@param updateTime The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DD HH:MM:SS).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "updateTime",
  "variableType" : "java.util.Date",
  "documentation" : "The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DD HH:MM:SS).",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotInstanceStatus",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotInstanceStatus",
  "variableName" : "SpotInstanceStatus",
  "variableType" : "SpotInstanceStatus",
  "documentation" : null,
  "simpleType" : "SpotInstanceStatus"}
"variableSetterType": "SpotInstanceStatus",
},
"wrapper": false
},
"SpotInstanceType": {
"c2jName": "SpotInstanceType",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "OneTime",
    "value": "one-time"
  },
  {
    "name": "Persistent",
    "value": "persistent"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "SpotInstanceType",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "SpotInstanceType",
  "variableName": "spotInstanceType",
  "variableType": "SpotInstanceType",
  "documentation": null,
  "simpleType": "SpotInstanceType",
  "variableSetterType": "SpotInstanceType"
},
"wrapper": false
},
"SpotPlacement": {
"c2jName" : "SpotPlacement",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingUnmarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes Spot instance placement.

enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,

\[
\begin{align*}
\text{members} : [ & \]
\text{c2jName} : "AvailabilityZone",
\text{c2jShape} : "String",
"deprecated" : false,
"documentation" : "The Availability Zone.\[Spot fleet only\] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".

\text{enumType} : null,
\text{fluentSetterDocumentation}" : "The Availability Zone.\[Spot fleet only\] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".

\text{fluentSetterMethodName}" : "withAvailabilityZone",
\text{getterDocumentation}" : "The Availability Zone.\[Spot fleet only\] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".

\text{getterMethodName}" : "getAvailabilityZone",
\text{getterModel}" : []
\text{returnType} : "String",
\text{documentation}" : null
\]

\text{http} : {
\text{additionalMarshallingPath} : null,
\text{additionalUnmarshallingPath} : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",

that method calls can be chained together.*/

"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@return The name of the placement group (for cluster instances).*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "GroupName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "groupName",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupName",
"setterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param groupName The name of the placement group (for cluster instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the placement group (for cluster instances).</p>
@param groupName The name of the placement group (for cluster instances).
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName"
"variableType" : "String",
"documentation" : "<p>The name of the placement group (for cluster instances).</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}, {
"c2jName" : "Tenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>\n@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/",
"fluentSetterMethodName" : "withTenancy",
"getterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>\n@return The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.\n@see Tenancy*/",
"getterMethodName" : "getTenancy",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Tenancy",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tenancy",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Tenancy",
"setterDocumentation": "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>\n@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.\n@see Tenancy*/",
"setterMethodName": "setTenancy",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "tenancy",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>\n@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.\n@return Returns a reference to this object so that method calls can be chained together.\n@see Tenancy*/
",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "tenancy",
  "variableType": "String",
  "documentation": "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not supported for Spot instances.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
}]

"membersAsMap": {
  "AvailabilityZone": {
    "c2jName": "AvailabilityZone",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>
@param availabilityZone The Availability Zone.\n@see availabilityZone The Availability Zone.\n@see availabilityZone The Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.\n@see availabilityZone The Availability Zone.*/
"}
them using commas; for example, \"us-west-2a, us-west-2b\".

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>
@return The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p>
@param availabilityZone The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "AvailabilityZone",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone.</p> <p>[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".*/"},
Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

```java
@Param availabilityZone The Availability Zone.
```

[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, "us-west-2a, us-west-2b".

```java
@Return Returns a reference to this object so that method calls can be chained together.* /
```

```java
variable : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "The Availability Zone.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

xmlNameSpaceUri" : null
},

GroupName" : {
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the placement group (for cluster instances).",
  "enumType" : null,
  "fluentSetterDocumentation" : "The name of the placement group (for cluster instances).",
  "fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "The name of the placement group (for cluster instances).",
  "getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupName",
    "uri" : false
  },
  "idempotencyToken" : false,
```

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instance with a tenancy of `<code>dedicated</code>` runs on single-tenant hardware. The `<code>host</code>` tenancy is not supported for Spot instances.

@see Tenancy*/

```java
getterMethodName" : "getTenancy",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Tenancy",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tenancy",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Tenancy",
"setterDocumentation" : "/**<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `<code>dedicated</code>` runs on single-tenant hardware. The `<code>host</code>` tenancy is not supported for Spot instances.</p>*/

@param tenancy The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of `<code>dedicated</code>` runs on single-tenant hardware. The `<code>host</code>` tenancy is not supported for Spot instances.

@return Returns a reference to this object so that
```
```
method calls can be chained together.

```javascript
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "tenancy",
  "variableType" : "String",
  "documentation" : "The tenancy of the instance (if the instance is running in a VPC). An instance with a tenancy of "dedicated" runs on single-tenant hardware. The "host" tenancy is not supported for Spot instances."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SpotPlacement",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SpotPlacement",
  "variableName" : "spotPlacement",
  "variableType" : "SpotPlacement",
  "documentation" : null,
  "simpleType" : "SpotPlacement",
  "variableSetterType" : "SpotPlacement"
},
"wrapper" : false
},
"SpotPrice" : {
  "c2jName" : "SpotPrice",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes the maximum hourly price (bid) for any Spot instance launched to fulfill the request.",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "InstanceType",
  "c2jShape" : "InstanceType",
  "deprecated" : false,
  "documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
  "enumType" : "InstanceType",
  "fluentSetterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@see InstanceType*/",
  "fluentSetterMethodName" : "withInstanceType",
  "getterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
  "getterMethodName" : "getInstanceType",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "InstanceType",
  "setterDocumentation" : "/**<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@see InstanceType*/",
  "setterMethodName" : "setInstanceType",
  "setterModel" : { 
    "variableDeclarationType" : "String",
    "variableType" : null
  }
}];
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>
@param instanceType The instance type. Note that T2 and HS1 instance types are not supported.
@return Returns a reference to this object so that method calls can be chained together.
@see InstanceType*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ProductDescription",
"c2jShape" : "RIProductDescription",
"deprecated" : false,
"documentation" : "<p>A general description of the AMI.</p>",
"enumType" : "RIProductDescription",
"fluentSetterDocumentation" : "/**
<p>A general description of the AMI.</p>
@param productDescription A general description of the AMI
@return Returns a reference to this object so that method calls can be chained together.
@see RIProductDescription*/",
"fluentSetterMethodName" : "withProductDescription",
"getterDocumentation" : "/**
<p>A general description of the AMI.</p>
@return A general description of the AMI
@see RIProductDescription*/",
"getterMethodName" : "getProductDescription",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
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@return Returns a reference to this object so that method calls can be chained together.</p>
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@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.</p>
@return Returns a reference to this object so that method calls can be chained together.</p>
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@return The maximum price (bid) that you are willing to pay for a Spot instance.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation" : "",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param availabilityZone The Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.
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@param productDescription A general description of the AMI.
@return A general description of the AMI.
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@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.
@return Returns a reference to this object so that method calls can be chained together.
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@return The maximum price (bid) that you are willing to pay for a Spot instance.
@see SpotPrice*/",
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@param spotPrice The maximum price (bid) that you are willing to pay for a Spot instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType" : null,
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@param timestamp
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@return Returns a reference to this object so that method calls can be chained together.
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The date and time the request was created, in UTC format (for example, YYYY-MM-DD HH:MM:SS Z).
*/",
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  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/** The date and time the request was created, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). */",
"param" : {
  "variable" : {
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    "variableName" : "timestamp",
    "variableType" : "java.util.Date",
    "documentation" : null,
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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  "xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
},
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  "variableName" : "spotPrice",
  "variableType" : "SpotPrice",
  "documentation" : null,
  "simpleType" : "SpotPrice",
  "variableSetterType" : "SpotPrice"
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"wrapper" : false
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"StaleIpPermission" : {
  "c2jName" : "StaleIpPermission",
  "variable" : {
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    "variableName" : "ipAddress",
    "variableType" : "StaleIpPermission",
    "documentation" : null,
    "simpleType" : "StaleIpPermission",
    "variableSetterType" : "StaleIpPermission"
  },
  "wrapper" : false
}
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
  "deprecated": false,
  "documentation": "<p>Describes a stale rule in a security group.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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      "c2jName": "FromPort",
      "c2jShape": "Integer",
      "deprecated": false,
      "documentation": "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>.
    "enumType": null,
    "fluentSetterDocumentation": "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.</p>
    "getterDocumentation": "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types. </p>.
    "getterFieldName": "getFromPort",
    "getterModel": {
      "returnType": "Integer",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
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      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "FromPort",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "fromPort",
}
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "FromPort",
"setterDocumentation" : "/** <p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. </p>
@param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. */",
"setterMethodName" : "setFromPort",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. </p>
@param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "fromPort",
  "variableType" : "Integer",
  "documentation" : "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
},
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers)&lt;/a&gt;). </p>"",
"enumType" : null,
"fluentsetterDocumentation" : "/** <p>The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers)&lt;/a&gt;). </p>\n@param ipProtocol The IP protocol name (for &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;) or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol Numbers)&lt;/a&gt;). </p>\n@return Returns a reference to this object so that method calls can be chained together. */",}
numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.<br/>
@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>).</p>
@return The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).*/",
"getterMethodName" : "getIpProtocol",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipProtocol",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).</p>
@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>).*/",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ipProtocol",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}"}
"simple": true,
"varargSetterDocumentation": "/**\n<p>The IP protocol name (for \&lt;code\>tcp\&lt;/code\>, \&lt;code\>udp\&lt;/code\>, and \&lt;code\>icmp\&lt;/code\>) or number (see \&lt;a\ href=\"http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\"\">Protocol Numbers</a>)\</p>\n\n@param ipProtocol The IP protocol name (for \&lt;code\>tcp\&lt;/code\>, \&lt;code\>udp\&lt;/code\>, and \&lt;code\>icmp\&lt;/code\>) or number (see \&lt;a\ href=\"http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\"\">Protocol Numbers</a>\</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": { 
 "variableDeclarationType": "String",
 "variableName": "ipProtocol",
 "variableType": "String",
 "documentation": "<p>The IP protocol name (for \&lt;code\>tcp\&lt;/code\>, \&lt;code\>udp\&lt;/code\>, and \&lt;code\>icmp\&lt;/code\>) or number (see \&lt;a\ href=\"http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml\"\">Protocol Numbers</a>\</p>\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "simpleType": "String",
 "variableSetterType": "String"
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 "xmlNameSpaceUri": null,
 
 "c2jName": "IpRanges",
 "c2jShape": "IpRanges",
 "deprecated": false,
 "documentation": "<p>One or more IP ranges. Not applicable for stale security group rules.\</p>\n\n@return One or more IP ranges. Not applicable for stale security group rules.\n\n@return One or more IP ranges. Not applicable for stale security group rules.\n\n@return One or more IP ranges. Not applicable for stale security group rules.\n\n@return One or more IP ranges. Not applicable for stale security group rules.*/",
 "enumType": null,
 "fluentSetterDocumentation": "/**\n<p>One or more IP ranges. Not applicable for stale security group rules.\n\n@return One or more IP ranges. Not applicable for stale security group rules.*/",
 "fluentSetterMethodName": "withIpRanges",
 "getterDocumentation": "/**\n\n@return One or more IP ranges. Not applicable for stale security group rules.\n\n@return One or more IP ranges. Not applicable for stale security group rules.*/",
 "getterMethodName": "getIpRanges",
 "getterModel": { 
 "returnType": "java.util.List<String>",
 "documentation": null
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 "http": { 
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 "greedy": false,
 "header": false,
 "isPayload": false,
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 "location": null,
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 "statusCode": false,
 "unmarshallLocationName": "ipRanges",
 "variable": { 
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 "variableName": "ipProtocol",
 "variableType": "String",
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 "simpleType": "String",
 "variableSetterType": "String"
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}"}
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
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  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
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    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "//**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "//**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
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    "setterDocumentation" : "//**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
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      "variableName" : "member",
      "variableLocation" : "member",
      "variableType" : "String"
    }
  }
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "IpRanges",
"setterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>*/
@param ipRanges One or more IP ranges. Not applicable for stale security group rules.
*/",
"setterMethodName" : "setIpRanges",
"settemodel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "ipRanges",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>
",
 "simple" : false,
 "varargSetterDocumentation" : "/**<p>One more IP ranges. Not applicable for stale security group rules.</p>*/
@param ipRanges One or more IP ranges. Not applicable for stale security group rules.
*/
This method appends the values to the existing list (if any). Use {link #setIpRanges(java.util.Collection)} or {link withIpRanges(java.util.Collection)} if you want to override the
existing values.</p>

```java
@Param ipRanges One or more IP ranges. Not applicable for stale security group rules.

@return Returns a reference to this object so that method calls can be chained together.*/

    "variable": {
        "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
        "variableName": "ipRanges",
        "variableType": "java.util.List<String>",
        "documentation": "One or more IP ranges. Not applicable for stale security group rules. <p>
        "simpleType": "List<String>",
        "variableSetterType": "java.util.Collection<String>",
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    "xmlNameSpaceUri": null
},

"c2jName": "PrefixListIds",
"c2jShape": "PrefixListIdSet",
"deprecated": false,
"documentation": "One or more prefix list IDs for an AWS service. Not applicable for stale security group rules. <p>
        "enumType": null,
        "fluentSetterDocumentation": "One or more prefix list IDs for an AWS service. Not applicable for stale security group rules. <p>
        "fluentSetterMethodName": "withPrefixListIds",
        "getterDocumentation": "One or more prefix list IDs for an AWS service. Not applicable for stale security group rules. <p>
        "getterMethodName": "getPrefixListIds",
        "getterModel": {
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            "documentation": null
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            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": null,
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            "queryString": false,
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            "uri": false
        },
        "idempotencyToken": false,
        "list": true,
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"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@Param member
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@Param member
*/",
    "setterMethodName" : "setMember",
    "setterModel" : {
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      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}
"variable" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "PrefixListIds",
"setterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>
@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>
@<br Blasiofaka|par setPrefixListIds(java.util.Collection) or { if link #withPrefixListIds(java.util.Collection) if you want to override the existing values. One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p><br Blasiofaka|par return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setPrefixListIds",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "prefixListIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>
<br Blasiofaka|par member faka
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"}.
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "prefixListIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.\</p\>\",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ToPort",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \<code>-1</code> indicates all ICMP types. \</p\>\",
"enumType" : null,
"fluentSetterDocumentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \<code>-1</code> indicates all ICMP types. \</p\>\n@\param\m\param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \<code>-1</code> indicates all ICMP types.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withToPort",
"getterDocumentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \<code>-1</code> indicates all ICMP types. \</p\>\n@\return The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \<code>-1</code> indicates all ICMP types.*/",
"getterMethodName" : "getToPort",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ToPort",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "toPort",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"getterModel" : {
"returnType" : "java.util.List<UserIdGroupPair>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Groups",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groups",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "UserIdGroupPair",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "UserIdGroupPair",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
null,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced security
         group and VPC, and the ID and status of the VPC peering connection.</p>@param userIdGroupPairs One or more
         security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC
         peering connection.*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "java.util.List<UserIdGroupPair>",
  "documentation" : "",
  "simpleType" : "List<UserIdGroupPair>",
  "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced
security group and VPC, and the ID and status of the VPC peering connection.</p><b>NOTE:</b> This
method appends the values to the existing list (if any). Use [@link #setUserIdGroupPairs(java.util.Collection)]
or [@link #withUserIdGroupPairs(java.util.Collection)] if you want to override the existing values.</p>@param
userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and
the ID and status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "java.util.List<UserIdGroupPair>",
  "documentation" : "One or more security group pairs. Returns the ID of the referenced security group and
VPC, and the ID and status of the VPC peering connection."",
  "simpleType" : "List<UserIdGroupPair>",
  "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "FromPort" : {
    "c2jName" : "FromPort",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number.
A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. &lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. &lt;/p&gt;

[@param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types.]
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withFromPort",
"getterDocumentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number.

number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n@return The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.*/

    "getterMethodName" : "getFromPort",
    "getterModel" : {
        "returnType" : "Integer",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "FromPort",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fromPort",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "FromPort",
    "setterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.*/

    "setterMethodName" : "setFromPort",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "documentation" : "",
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.\n*return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "FromPort",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fromPort",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "FromPort",
    "setterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.*/

    "setterMethodName" : "setFromPort",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.\n*return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "FromPort",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fromPort",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "FromPort",
    "setterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.*/

    "setterMethodName" : "setFromPort",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.\n*return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "FromPort",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fromPort",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "FromPort",
    "setterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.*/

    "setterMethodName" : "setFromPort",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types. \verb|</p>|\n*param fromPort The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \verb|<code>-1</code>| indicates all ICMP types.\n*return Returns a reference to this object so that method calls can be chained together.*/

    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "fromPort",
        "variableType" : "Integer",
        "/documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "FromPort",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "fromPort",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
"variableName" : "fromPort",
"variableType" : "Integer",
"documentation" : "The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of \(<code>-1</code>\) indicates all ICMP types. \(</p>\),
"simpleType" : "Integer",
"variableSetterType" : "Integer"
],
"xmlNameSpaceUri" : null
},
"IpProtocol" : {
"c2jName" : "IpProtocol",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The IP protocol name (for \(<code>tcp</code>, \(<code>udp</code>, and \(<code>icmp</code>) or number (see \(<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)\).",
"enumType" : null,
"fluentSetterDocumentation" : "The IP protocol name (for \(<code>tcp</code>, \(<code>udp</code>, and \(<code>icmp</code>) or number (see \(<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)\).\n@return Returns a reference to this object so that method calls can be chained together.\*/",
"fluentSetterMethodName" : "withIpProtocol",
"getterDocumentation" : "The IP protocol name (for \(<code>tcp</code>, \(<code>udp</code>, and \(<code>icmp</code>) or number (see \(<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)\).\n@return The IP protocol name (for \(<code>tcp</code>, \(<code>udp</code>, and \(<code>icmp</code>) or number (see \(<a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>)\).\n */",
"getMethodName" : "getIpProtocol",
"getReturnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IpProtocol",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "IpProtocol",
"uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IpProtocol",
"setterDocumentation" : "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.
@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.*/",
"setterMethodName" : "setIpProtocol",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.
@param ipProtocol The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipProtocol",
  "variableType" : "String",
  "documentation" : "<p>The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers)</a>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"IpRanges" : {
  "c2jName" : "IpRanges",
  "c2jShape" : "IpRanges",
  "deprecated" : false,
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "ipProtocol",
    "variableType" : "String",
    "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "withIpRanges",
"getterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group rules.</p>@return One or more IP ranges. Not applicable for stale security group rules.*/",
"getterMethodName" : "getIpRanges",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IpRanges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipRanges",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"name" : "IpRanges",
"setterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group
rules.</p>@param ipRanges One or more IP ranges. Not applicable for stale security group rules.*/",
"setterMethodName" : "setIpRanges",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more IP ranges. Not applicable for stale security group
rules.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @{link
#setIpRanges(java.util.Collection)} or @{link #withIpRanges(java.util.Collection)} if you want to override the
existing values.</p>@param ipRanges One or more IP ranges. Not applicable for stale security group
rules.@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipRanges",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>One or more IP ranges. Not applicable for stale security group rules.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null


"PrefixListIds" : {
  "c2jName" : "PrefixListIds",
  "c2jShape" : "PrefixListIdSet",
  "deprecated" : false,
  "documentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group
rules.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group
rules.</p>@param prefixListIds One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPrefixListIds",
  "getterDocumentation" : "<p>One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.</p>@return One or more prefix list IDs for an AWS service. Not applicable for stale security
group rules.*/",
"getterMethodName" : "getPrefixListIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrefixListIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "prefixListIds",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "marshallLocationName" : null,
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : null,
      "uri" : false
    }
  }
}
One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.

**NOTE:** This method appends the values to the existing list (if any). Use `{ getPrefixListIds(java.util.Collection) }` or `{ withPrefixListIds(java.util.Collection) }` if you want to override the existing values.

The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of `null` indicates all ICMP types.

**NOTE:** This method appends the values to the existing list (if any). Use `{ getToPort() }` or `{ withToPort(java.util.Collection) }` if you want to override the existing values.

The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of `null` indicates all ICMP types.

Returns a reference to this object so that method calls can be chained together.
TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.*="/",
"getterMethodName" : "getToPort",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "ToPort",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "toPort",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ToPort",
"setterDocumentation" : ""/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type
number. A value of <code>-1</code> indicates all ICMP types. </p>
@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.*="/",
"setterMethodName" : "setToPort",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "toPort",
   "variableType" : "Integer",
   "documentation" : "",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : ""/**<p>The end of the port range for the TCP and UDP protocols, or an ICMP type
number. A value of <code>-1</code> indicates all ICMP types. </p>
@param toPort The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types."
@return Returns a reference to this object so that method calls can be chained together.*="/",
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "toPort",
   "variableType" : "Integer"
"documentation" : "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of -1 indicates all ICMP types. ",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"UserIdGroupPairs" : {
"c2jName" : "UserIdGroupPairs",
"c2jShape" : "UserIdGroupPairSet",
"deprecated" : false,
"documentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection. ",
"enumType" : null,
"fluentSetterDocumentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection. 
@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "withUserIdGroupPairs",
"getterDocumentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection. 
@return One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection. ",
"getterMethodName" : "getUserIdGroupPairs",
"getterModel" : {
"returnType" : "java.util.List<UserIdGroupPair>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Groups",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groups",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"c2jName" : "userIdGroupPairList",
"c2jShape" : "UserIdGroupPairSet",
"isMultiple" : true,
"isWrapper" : false,
"isCollection" : true,
"isMap" : false,
"isSet" : false,
"isOrdered" : false,
"isCollectionClass" : "java.util.List",
"isCollectionType" : "UserIdGroupPair",
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "userIdGroupPairList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "userIdGroupPairList",
"uri" : false
},
"simpleType" : "IpAddress",
"variableSetterType" : "IpAddress"
},
"xmlNameSpaceUri" : null
},
"AllowedLocationValueList" : {
"c2jName" : "AllowedLocationValueList",
"c2jShape" : "OperationLocationList",
"isMultiple" : true,
"isWrapper" : false,
"isCollection" : true,
"isMap" : false,
"isSet" : false,
"isOrdered" : false,
"isCollectionClass" : "java.util.List",
"isCollectionType" : "AllowedLocationValue",
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allowedLocationValueList",
"uri" : false
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"simpleType" : "LocationValue",
"variableSetterType" : "LocationValue"}
"interfaceType" : "java.util.List",
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  "c2jName" : "member",
  "c2jShape" : "UserIdGroupPair",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**\n@return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "UserIdGroupPair",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n@\n@return */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "UserIdGroupPair",
    "variableName" : "member",
    "variableType" : "UserIdGroupPair",
    "documentation" : "",
    "simpleType" : "UserIdGroupPair",
    "variableSetterType" : "UserIdGroupPair"
  },
  "simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "UserIdGroupPair",
"variableName" : "member",
"variableType" : "UserIdGroupPair",
"documentation" : "",
"simpleType" : "UserIdGroupPair",
"variableSetterType" : "UserIdGroupPair"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "UserIdGroupPair",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "UserIdGroupPair",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"templateType" : "java.util.List<UserIdGroupPair>",
"map" : false,
"mapModel" : null,
"name" : "UserIdGroupPairs",
"setterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>
@param userIdGroupPairs One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.*\*/",
"setterMethodName" : "setUserIdGroupPairs",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
"variableName" : "userIdGroupPairs",
"variableType" : "java.util.List<UserIdGroupPair>",
"documentation" : "",
"simpleType" : "List<UserIdGroupPair>",
"variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.</p>
*\*/ This method appends the values to the existing list (if any). Use \{@link #setUserIdGroupPairs(java.util.Collection)\} or \{@link #withUserIdGroupPairs(java.util.Collection)\} if you want to override the existing values.\n@return Returns a reference to this object so that method calls can be chained together.*\*/"
One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.

```java
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<UserIdGroupPair>",
  "variableName" : "userIdGroupPairs",
  "variableType" : "java.util.List<UserIdGroupPair>",
  "documentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.",
  "simpleType" : "List<UserIdGroupPair>",
  "variableSetterType" : "java.util.Collection<UserIdGroupPair>"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "StaleIpPermission",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StaleIpPermission",
  "variableName" : "staleIpPermission",
  "variableType" : "StaleIpPermission",
  "documentation" : null,
  "simpleType" : "StaleIpPermission",
  "variableSetterType" : "StaleIpPermission"
},
"wrapper" : false
"StaleSecurityGroup" : {
  "c2jName" : "StaleSecurityGroup",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Describes a stale security group (a security group that contains stale rules).",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "StaleSecurityGroup",
      "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
      },
      "deprecated" : false,
      "documentation" : ",
      "enums" : null,
      "errorCode" : null,
      "hasHeaderMember" : false,
      "hasPayloadMember" : false,
      "hasStatusCodeMember" : false,
      "hasStreamingMember" : false,
      "marshaller" : null,
      "members" : [ |
```
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**
<p>The ID of the security group.</p>
@return The ID of the security group.
*/",
"getterMethodName" : "getGroupId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**
<p>The ID of the security group.</p>
@param groupId The ID of the security group.
*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "groupId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>The ID of the security group.</p>
@param groupId The ID of the security group.
*/
}
security group.

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@return Returns a reference to this object so that method calls can be chained together.

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "GroupName",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the security group.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the security group.</p>\n@param groupName The name of the security group.*/
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "withGroupName",
  "getterDocumentation" : "/**<p>The name of the security group.</p>\n@return The name of the security group.*/
","getterMethodName" : "getGroupName",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "GroupName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "groupName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "GroupName",
  "setterDocumentation" : "/**<p>The name of the security group.</p>\n@param groupName The name of the security group.*/
@return The name of the security group.*/
","setterMethodName" : "setGroupName",
  "setterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
security group.*",
    "setterMethodName" : "setName",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "groupName",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* The name of the security group.\n* @param groupName The name of the security group.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "groupName",
      "variableType" : "String",
      "documentation" : "The name of the security group.\n* @param description The description of the security group.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterDocumentation" : "/**\n* The description of the security group.\n* @param description The description of the security group.\n* @return Returns a reference to this object so that method calls can be chained together.*/",
      "getterDocumentation" : "/**\n* The description of the security group.\n* @return The description of the security group.*/",
      "getterMethodName" : "getDescription",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
      },
    },
    "xmlNameSpaceUri" : null
  }
]
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "description",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Description",
"setterDocumentation" : "/**<p>The description of the security group.</p>
@param description The description of the security group.*/",
"setterMethodName" : "setDescription",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "description",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"simple" : true,
"varargSetterDocumentation" : "/**<p>The description of the security group.</p>
@param description The description of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "description",
 "variableType" : "String",
 "documentation" : "<p>The description of the security group.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
}, {
 "c2jName" : "VpcId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "<p>The ID of the VPC for the security group.</p>",
 "enumType" : "null",
 "fluentSetterDocumentation" : "/**<p>The ID of the VPC for the security group.</p>
@param vpcId The ID of the VPC for the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withVpcId",
 "getterDocumentation" : "/**<p>The ID of the VPC for the security group.</p>
@return The ID of the VPC for the security group.*/", Open Source Used In Virtualized Voice Browser 12.6(1) 26498
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for the security group.</p>
@param vpcId The ID of the
VPC for the security group.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for the security group.</p>
@param vpcId The ID of the
VPC for the security group.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC for the security group.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri": null
},
"c2jName": "StaleIpPermissions",
"c2jShape": "StaleIpPermissionSet",
"deprecated": false,
"documentation": "<p>Information about the stale inbound rules in the security group.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Information about the stale inbound rules in the security group.</p>
@param staleIpPermissions Information about the stale inbound rules in the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStaleIpPermissions",
"getterDocumentation": "/**<p>Information about the stale inbound rules in the security group.</p>
@return Information about the stale inbound rules in the security group.*/",
"getterMethodName": "getStaleIpPermissions",
"getterModel": {
"returnType": "java.util.List<StaleIpPermission>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StaleIpPermissions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "staleIpPermissions",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "StaleIpPermission",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"isType": "array"
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "StaleIpPermissions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "staleIpPermissions",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "StaleIpPermission",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"isType": "array"}
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleIpPermission",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "StaleIpPermission",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType" : "java.util.List<StaleIpPermission>"
},
"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissions",
"setterDocumentation" : "/**
*p>Information about the stale inbound rules in the security group.</p>
@param staleIpPermissions Information about the stale inbound rules in the security group.*/",
"setterMethodName" : "setStaleIpPermissions",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"variableName" : "staleIpPermissions",
"variableType" : "java.util.List<StaleIpPermission>",
"documentation" : "",
"simpleType" : "List<StaleIpPermission>",
"variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the stale inbound rules in the security group.<p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setStaleIpPermissions(java.util.Collection)} or {@link #withStaleIpPermissions(java.util.Collection)} if you want to override the existing values.<p>
@param staleIpPermissions Information about the stale inbound rules in the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"variableName" : "staleIpPermissions",
"variableType" : "java.util.List<StaleIpPermission>",
"documentation" : "<p>Information about the stale inbound rules in the security group.</p>",
"simpleType" : "List<StaleIpPermission>",
"variableSetterType" : "java.util.Collection<StaleIpPermission>"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "StaleIpPermissionsEgress",
"c2jShape" : "StaleIpPermissionSet",
"deprecated" : false,
"documentation" : "<p>Information about the stale outbound rules in the security group.</p>"}
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>
@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withStaleIpPermissionsEgress",
"getterDocumentation" : "/**<p>Information about the stale outbound rules in the security group.</p>
@return Information about the stale outbound rules in the security group.*/",
"getterMethodName" : "getStaleIpPermissionsEgress",
"getterModel" : {
"returnType" : "java.util.List<StaleIpPermission>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
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"uri" : false
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"interfaceType" : "java.util.List",
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"c2jShape" : "StaleIpPermission",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**@return */",
"getterMethodName" : "getMember",
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"returnType" : "StaleIpPermission",
"documentation" : null
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"http" : {
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"greedy" : false,
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"statusCode" : false,
"unmarshallLocationName" : "staleIpPermissionsEgress",
"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
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"c2jShape" : "StaleIpPermission",
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"documentation" : "",
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"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
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"templateType": "java.util.List<StaleIpPermission>"
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"map": false,
"mapModel": null,
"name": "StaleIpPermissionsEgress",
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@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.*/",
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  "variableName": "staleIpPermissionsEgress",
  "variableType": "java.util.List<StaleIpPermission>",
  "documentation": "",
  "simpleType": "List<StaleIpPermission>",
  "variableSetterType": "java.util.Collection<StaleIpPermission>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the stale outbound rules in the security group.</p>
@param staleIpPermissionsEgress Information about the stale outbound rules in the security group. */
@link #setStaleIpPermissionsEgress(java.util.Collection) or @link #withStaleIpPermissionsEgress(java.util.Collection) if you want to override the existing values.
@param staleIpPermissionsEgress Information about the stale outbound rules in the security group.
@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableName": "staleIpPermissionsEgress",
  "variableType": "java.util.List<StaleIpPermission>",
  "documentation": "<p>Information about the stale outbound rules in the security group.</p>",
  "simpleType": "List<StaleIpPermission>",
  "variableSetterType": "java.util.Collection<StaleIpPermission>"
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"xmlNameSpaceUri": null
}]
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"Description": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The description of the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/** The description of the security group. */
@link #description The description of the security group.
@return Returns a reference to this object so that method calls can be chained together. */"}
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"getterDocumentation" : "/**\* The description of the security group.\*/\n\@return The description of the security group.*/",
"getterMethodName" : "getDescription",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "Description",
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"setterMethodName" : "setDescription",
"setterModel" : {
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  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**\* The description of the security group.\*/\n\@param description The description of the security group.\n\@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
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  "variableName" : "description",
  "variableType" : "String",
  "variableSetterType" : "String"}
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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "The ID of the security group.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"GroupName" : {
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"c2jShape" : "String",
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"documentation" : "The name of the security group.",
"enumType" : null,
"fluentSetterDocumentation" : "/**@param groupName The name of the security group.*/
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupName",
"getterDocumentation" : "/**@return The name of the security group.*/",
"getterMethodName" : "getGroupName",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
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"uri" : false
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"list": false,
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"name": "GroupName",
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"setterMethodName": "setGroupName",
"setterModel": {
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  "variableName": "groupName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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  "variableType": "String",
  "documentation": "<p>The name of the security group.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
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"StaleIpPermissions": {
  "c2jName": "StaleIpPermissions",
  "c2jShape": "StaleIpPermissionSet",
  "deprecated": false,
  "documentation": "<p>Information about the stale inbound rules in the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**/*.\n@param staleIpPermissions Information about the stale inbound rules in the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withStaleIpPermissions",
  "getterDocumentation": "/**/*.\n@param staleIpPermissions Information about the stale inbound rules in the security group.\n@return Information about the stale inbound rules in the security group.*/",
  "getterMethodName": "getStaleIpPermissions",
  "getterModel": {
    "returnType": "java.util.List<StaleIpPermission>",
    "documentation": null
  }
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"http" : {
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "staleIpPermissions",
    "uri" : false
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        "c2jShape" : "StaleIpPermission",
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        "enumType" : null,
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method calls can be chained together.*/",
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        "getterDocumentation" : "/**\n@return */",
        "getterMethodName" : "getMember",
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            "documentation" : null
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            "greedy" : false,
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            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "item",
            "uri" : false
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}
"uri" : false,
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"mapModel" : null,
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"setterMethodName" : "setMember",
"setterModel" : {
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"documentation" : "",
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"variableSetterType" : "StaleIpPermission"
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"varargSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "StaleIpPermission",
"documentation" : "",
"simpleType" : "StaleIpPermission",
"variableSetterType" : "StaleIpPermission"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "StaleIpPermission",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
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"templateType" : "java.util.List<StaleIpPermission>"
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"map" : false,
"mapModel" : null,
"name" : "StaleIpPermissions",
"setterDocumentation" : "/**<p>Information about the stale inbound rules in the security group.</p>
@param staleIpPermissions Information about the stale inbound rules in the security group.*/"
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"setterModel": {
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    "variableName": "staleIpPermissions",
    "variableType": "java.util.List<StaleIpPermission>",
    "documentation": "",
    "simpleType": "List<StaleIpPermission>",
    "variableSetterType": "java.util.Collection<StaleIpPermission>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>Information about the stale inbound rules in the security group.
   \n   @param staleIpPermissions Information about the stale inbound rules in the security group.
   @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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    "variableType": "java.util.List<StaleIpPermission>",
    "documentation": "<p>Information about the stale inbound rules in the security group.</p>
    \n    @param staleIpPermissions Information about the stale inbound rules in the security group.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri": null
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"StaleIpPermissionsEgress": {
    "c2jName": "StaleIpPermissionsEgress",
    "c2jShape": "StaleIpPermissionSet",
    "deprecated": false,
    "documentation": "<p>Information about the stale outbound rules in the security group.</p>
    \n    @param staleIpPermissionsEgress Information about the stale outbound rules in the security group.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withStaleIpPermissionsEgress",
    "getterDocumentation": "/**<p>Information about the stale outbound rules in the security group.</p>
    \n    @return Information about the stale outbound rules in the security group.*/",
    "getterMethodName": "getStaleIpPermissionsEgress",
    "getterModel": {
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        "documentation": null
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        "header": false,
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"isStreaming": false,
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"statusCode": false,
"unmarshallLocationName": "staleIpPermissionsEgress",
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"idempotencyToken": false,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "StaleIpPermission",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n     * @return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "StaleIpPermission",
      "documentation": null
    }
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false}
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"setterModel": {
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 "variableName": "member",
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 "documentation": "",
 "simpleType": "StaleIpPermission",
 "variableSetterType": "StaleIpPermission"
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"simple": false,
"varargSetterDocumentation": "**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
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 "variableName": "member",
 "variableType": "StaleIpPermission",
 "documentation": "",
 "simpleType": "StaleIpPermission",
 "variableSetterType": "StaleIpPermission"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "StaleIpPermission",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "StaleIpPermission",
"templateImplType": "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
"templateType": "java.util.List<StaleIpPermission>"
},
"map": false,
"mapModel": null,
"name": "StaleIpPermissionsEgress",
"setterDocumentation": "/**<p>Information about the stale outbound rules in the security group.</p>
@param staleIpPermissionsEgress Information about the stale outbound rules in the security group. */",
"setterMethodName": "setStaleIpPermissionsEgress",
"setterModel": {
 "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
 "variableName": "staleIpPermissionsEgress",
 "variableType": "java.util.List<StaleIpPermission>",
 "documentation": "",
 "variableSetterType": "StaleIpPermission"
"simpleType": "List<StaleIpPermission>",
"variableSetterType": "java.util.Collection<StaleIpPermission>",
"varargSetterDocumentation": "/**\n\* Information about the stale outbound rules in the security group.\n\* NOTE: This method appends the values to the existing list (if any). Use {@link #setStaleIpPermissionsEgress(java.util.Collection)} or {@link #withStaleIpPermissionsEgress(java.util.Collection)} if you want to override the existing values.\n\*\n\* @param staleIpPermissionsEgress Information about the stale outbound rules in the security group.\n\* @return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<StaleIpPermission>",
  "variableName": "staleIpPermissionsEgress",
  "variableType": "java.util.List<StaleIpPermission>",
  "documentation": "<p>Information about the stale outbound rules in the security group.</p>",
  "simpleType": "List<StaleIpPermission>",
  "variableSetterType": "java.util.Collection<StaleIpPermission>",
  "xmlNameSpaceUri": null
},
"VpcId": {
  "c2jName": "VpcId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the VPC for the security group.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n\* The ID of the VPC for the security group.\n\* @param vpcId The ID of the VPC for the security group.\n\* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVpcId",
  "getterDocumentation": "/**\n\* The ID of the VPC for the security group.\n\* @return The ID of the VPC for the security group.*/",
  "getterMethodName": "getVpcId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpcId",
    "queryString": false,
  },
"StartInstancesRequest" : { 
  "c2jName" : "StartInstancesRequest",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for StartInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : { 
    "action" : "StartInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ { 
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
*param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**<p>One or more instance IDs.</p>
*return One or more instance IDs.*/",
    "getterMethodName" : "getInstanceIds",
    "getterModel" : { 
      "returnType" : "java.util.List<String>",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "documentation" : null,
      "locationName" : null,
      "requestUri" : null,
      "verb" : null,
      "xmlNameSpaceUri" : null
    }
  } ]
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**
@override
@return *
*/",
    "getterMethodBaseName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
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      "marshallLocationName" : "InstanceId",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**\n@param instanceIds One or more instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : { 
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.\n</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.\n</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"c2jName" : "AdditionalInfo",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>Reserved.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Reserved.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAdditionalInfo",
"getterDocumentation" : "/**<p>Reserved.</p>\n@return Reserved.*/",
"getterMethodName" : "getAdditionalInfo",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AdditionalInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "additionalInfo",
"xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.*\*/",
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "<p>Reserved.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"AdditionalInfo" : {
  "c2jName" : "AdditionalInfo",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>Reserved.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Reserved.</p>\n@param additionalInfo Reserved.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withAdditionalInfo",
  "getterDocumentation" : "/**<p>Reserved.</p>\n@return Reserved.*\*/",
  "getterMethodName" : "getAdditionalInfo",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AdditionalInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "additionalInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AdditionalInfo",
"setterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.*/",
"setterMethodName" : "setAdditionalInfo",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Reserved.</p>
@param additionalInfo Reserved.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "additionalInfo",
  "variableType" : "String",
  "documentation" : "<p>Reserved.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceIds" : {
  "c2jName" : "InstanceIds",
  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instance IDs.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**\nOne or more instance IDs.\n@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/**\nOne or more instance IDs.\n@return One or more instance IDs.*/",
"getterMethodName" : "getInstanceIds",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
],
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>",
}
"map": false,
"mapModel": null,
"name": "InstanceIds",
"setterDocumentation": "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.*/",
"setterMethodName": "setInstanceIds",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
},
"simple": false,
"varargSetterDocumentation": "/**<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
"variableName": "instanceIds",
"variableType": "java.util.List<String>",
"documentation": "<p>One or more instance IDs.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
},
"xmlNameSpaceUri": null
},

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ['InstanceIds'],
"shapeName": 'StartInstancesRequest',
"unmarshaller": null,
"variable": {
"variableDeclarationType": 'StartInstancesRequest',
"variableName": 'startInstancesRequest',
"variableType": 'StartInstancesRequest'
"documentation": null,
"simpleType": 'StartInstancesRequest',
"variableSetterType": 'StartInstancesRequest'
},
"wrapper" : false,
"StartInstancesResult" : {
  "c2jName" : "StartInstancesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the output of StartInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    "c2jName" : "StartingInstances",
    "c2jShape" : "InstanceStateChangeList",
    "deprecated" : false,
    "documentation" : "<p>Information about one or more started instances.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n     * Information about one or more started instances.
     *\n     * @param startingInstances Information about one or more started instances.\n     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStartingInstances",
    "getterDocumentation" : "/**\n     * Information about one or more started instances.\n     *\n     * @return Information about one or more started instances.*/",
    "getterMethodName" : "getStartingInstances",
    "getterModel" : {
      "returnType" : "java.util.List<InstanceStateChange>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstancesSet",
      "queryString" : false,
      "statusString" : false,
      "statusCode" : false,
"unmarshallLocationName": "instancesSet",
"uri": false

},
"idempotencyToken": false,
"list": true,
"ListModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceStateChange",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getMethodName": "getMember",
"getModel": {
"returnType": "InstanceStateChange",
"documentation": null
}
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false

},
"idempotencyToken": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member *
\n@return Returns a reference to this object so that
method calls can be chained together.*/",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "InstanceStateChange",
"getterSetter": null
}
}
"variableName" : "member",
"variableType" : "InstanceStateChange",
"documentation" : "",
"simpleType" : "InstanceStateChange",
"variableSetterType" : "InstanceStateChange"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "InstanceStateChange",
"variableName" : "member",
"variableType" : "InstanceStateChange",
"documentation" : "",
"simpleType" : "InstanceStateChange",
"variableSetterType" : "InstanceStateChange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStateChange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStateChange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType" : "java.util.List<InstanceStateChange>"
},
"map" : false,
"mapModel" : null,
"name" : "StartingInstances",
"setterDocumentation" : "/**
@param startingInstances Information about one or more started instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setStartingInstances",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName" : "startingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "",
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param startingInstances Information about one or more started instances.
@return Returns a reference to this object so that method calls can be chained together.*/"};
#setStartingInstances(java.util.Collection) or { @link #withStartingInstances(java.util.Collection)} if you want to override the existing values.

### param startingInstances Information about one or more started instances.

- **StartingInstances**
  - **c2jName**: StartingInstances
  - **c2jShape**: InstanceStateChangeList
  - **deprecated**: false
  - **documentation**: Information about one or more started instances.
  - **enumType**: null
  - **fluentSetterDocumentation**: Information about one or more started instances.
  - **fluentSetterMethodName**: withStartingInstances
  - **getterDocumentation**: Information about one or more started instances.
  - **getterMethodName**: getStartingInstances
  - **getterModel**: {
    - **returnType**: java.util.List<InstanceStateChange>
  }
  - **http**: {
    - **additionalMarshallingPath**: null
    - **additionalUnmarshallingPath**: null
    - **flattened**: false
    - **greedy**: false
    - **header**: false
    - **isPayload**: false
    - **isStreaming**: false
    - **location**: null
    - **marshallLocationName**: InstancesSet
    - **queryString**: false
    - **statusCode**: false
    - **unmarshallLocationName**: instancesSet
    - **uri**: false
  }
  - **idempotencyToken**: false
  - **list**: true

### return Returns a reference to this object so that method calls can be chained together.
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceStateChange",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "InstanceStateChange",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "InstanceStateChange",
"variableName": "member",
"variableType": "InstanceStateChange",
"documentation": "",
"simpleType": "InstanceStateChange",
"variableSetterType": "InstanceStateChange"}
Simple

variable

varargSetterDocumentation

**

@param member

@return Returns a reference to this object so that method calls can be chained together.*

}

xmlNameSpaceUri

null

memberLocationName

"item"

memberType

"InstanceStateChange"

map

false

marshallNonAutoConstructedEmptyLists

false

memberAdditionalMarshallingPath

null

memberAdditionalUnmarshallingPath

null

sendEmptyQueryString

false

simple

false

simpleType

"InstanceStateChange"

templateImplType

"com.amazonaws.internal.SdkInternalList<InstanceStateChange>"

templateType

"java.util.List<InstanceStateChange>"

map

false

mapModel

null

name

"StartingInstances"

setterDocumentation

/**

<p>Information about one or more started instances.</p>

@param startingInstances Information about one or more started instances.

@return Returns a reference to this object so that method calls can be chained together.*

}

variable

varargSetterDocumentation

/**

<p>Note: This method appends the values to the existing list (if any). Use {

@link #setStartingInstances(java.util.Collection)} or {

@link #withStartingInstances(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*

*/

}
"variableName" : "startingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "<p>Information about one or more started instances.</p>",
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"xmlNameSpaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StartInstancesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "StartInstancesResult",
"variableName" : "startInstancesResult",
"variableType" : "StartInstancesResult",
"documentation" : null,
"simpleType" : "StartInstancesResult",
"variableSetterType" : "StartInstancesResult"
},
"wrapper" : false
},
"State" : {
"c2jName" : "State",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
"name" : "Pending",
"value" : "Pending"
}, {
"name" : "Available",
"value" : "Available"
}, {
"name" : "Deleting",
"value" : "Deleting"
}, {
"name" : "Deleted",}
"value" : "Deleted"
] ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "State",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "State",
  "variableName" : "state",
  "variableType" : "State",
  "documentation" : null,
  "simpleType" : "State",
  "variableSetterType" : "State"
},
"wrapper" : false
},
"StateReason" : {
  "c2jName" : "StateReason",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Describes a state change.&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Code",
    "c2jShape" : "String",
} ]
}
"deprecated" : false,
"documentation" : "<p>The reason code for the state change.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason code for the state change.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
"fluentSetterMethodName" : "withCode",
"getterDocumentation" : "/**<p>The reason code for the state change.</p>\n@return The reason code for the state change.*\n*/",
"getterMethodName" : "getCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Code",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "code",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The reason code for the state change.\n@param code The reason code for the state change.*\n*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason code for the state change.\n@param code The reason code for the state change.*\n*/"}
code for the state change.

@returns Returns a reference to this object so that method calls can be chained together.

- "variable": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "The reason code for the state change."
},

- "xmlNameSpaceUri": null
- "c2jName": "Message",
- "c2jShape": "String",
- "deprecated": false,
- "documentation": "The message for the state change.
- "enumType": null,
- "fluentSetterDocumentation": "The message for the state change."
- "Server.InsufficientInstanceCapacity": There was insufficient instance capacity to satisfy the launch request.
- "Server.InternalError": An internal error occurred during instance launch, resulting in termination.
- "Server.ScheduledStop": The instance was stopped due to a scheduled retirement.
- "Server.SpotInstanceTermination": A Spot instance was terminated due to an increase in the market price.
- "Server.Client.InstanceInitiatedShutdown": The instance was shut down using the <code>shutdown -h</code> command from the instance.
- "Server.Client.UserInitiatedShutdown": The instance was shut down using the Amazon EC2 API.
- "Server.Client.VolumeLimitExceeded": The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.
- "Server.Client.InvalidSnapshot.NotFound": The specified snapshot was not found.
- "Server.Client.VolumeLimitExceeded": The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.
terminate on launch.</li> <li><p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p></li> <li><p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p></li> <li><p><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p></li> <li><p><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p></li> <li><p><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p></li> <li><p><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p></li> <li><p><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p></li> <li><p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p></li> <li><p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p></li> <li><p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p></li> <li><p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p></li> <p>@return</p>
The message for the state change.</li> <li><p><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p></li> <li><p><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p></li> <li><p><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p></li> <li><p><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p></li> <li><p><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p></li> <li><p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p></li> <li><p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p></li> <li><p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p></li> <li><p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p></li> <p>@return</p>
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<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
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<li><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li>
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<li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
</ul>
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The message for the state change.</p> <ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
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<li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
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<li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The message for the state change.</p> <ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
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<li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
<li><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li>
<li><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</li>
<li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
*/"
request. 

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- `<code>Client.InvalidSnapshot.NotFound</code>`: The specified snapshot was not found.
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The reason code for the state change.</p>
@param code The reason code for the state change.
@return Returns a reference to this object so that method calls can be chained together.
*/",
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"getterDocumentation" : "/**<p>The reason code for the state change.</p>
@return The reason code for the state change.
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  "documentation" : null
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  "documentation" : "",
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  "variableSetterType" : "String"
}.
"simple" : true,
"varargSetterDocumentation" : "/**<p>The reason code for the state change.</p>
@param code The reason code for the state change.</p>*/",
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    "variableSetterType" : "String"
},
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},
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    "documentation" : "<p>The message for the state change.</p>"
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The message for the state change.</p>
    <ul>
    <li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
    <li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
    <li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
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    <li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
    <li><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li>
    <li><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</li>
    <li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
    </ul>
    <p>The message for the state change.</p>"
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The message for the state change.</p>
    <ul>
    <li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
    <li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
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    <li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
    </ul>
    "message The message for the state change.</p>"
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
<li><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
<li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
<li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
<li><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</li>
<li><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</li>
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Returns a reference to this object so that method calls can be chained together.

```

"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>The message for the state change.</p> <ul> <li> <p><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</p> </li> <li> <p><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</p> </li> <li> <p><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</p> </li> <li> <p><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</p> </li> <li> <p><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</p> </li> <li> <p><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</p> </li> <li> <p><code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.</p> </li> <li> <p><code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.</p> </li> <li> <p><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</p> </li> </ul>

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```

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"statusCode" : false,
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<ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
<li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
<li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
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<li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
<li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -h</code> command from the instance.</li>
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<li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
</ul>
@param message The message for the state change.</p> 
<ul>
<li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
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<li><code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.</li>
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  "simpleType": "StatusName",
  "variableSetterType": "StatusName"
},
"wrapper": false
},
"StatusType": {
  "c2jName": "StatusType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
    {
      "name": "Passed",
      "value": "passed"
    },
    {
      "name": "Failed",
      "value": "failed"
    },
    {
      "name": "InsufficientData",
      "value": "insufficient-data"
    },
    {
      "name": "Initializing",
      "value": "initializing"
    }
  ],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
  "membersAsMap": {
  },
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "StatusType",
  "unmarshaller": {
    "flattened": false,
    "resultWrapper": null
  }
}
"variable" : {
  "variableDeclarationType" : "StatusType",
  "variableName" : "statusType",
  "variableType" : "StatusType",
  "documentation" : null,
  "simpleType" : "StatusType",
  "variableSetterType" : "StatusType"
},
"wrapper" : false
},
"StopInstancesRequest" : {
  "c2jName" : "StopInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for StopInstances.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
    "action" : "StopInstances",
    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [{
    "c2jName" : "InstanceIds",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
     *\n     * @param instanceIds One or more instance IDs.
     * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceIds",
    "getterDocumentation" : "/**<p>One or more instance IDs.</p>
     *\n     * @return One or more instance IDs.
     */",
    "getterMethodName" : "getInstanceIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>"
    },
    "loggingType" : null,
    "marshallingType" : "StatusType",
    "simpleType" : "StatusType",
    "wrapper" : false
  }
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n\t@param member \n\t@return Returns a reference to this object so that
\nmethod calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n\t@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
   "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
}
,"map" : false,
"mapModel" : null,
"name" : "InstanceIds"
"setterDocumentation" : "/**<p>One or more instance IDs.</p>@param instanceIds One or more instance IDs.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p><h>NOTE:</h> This method appends the values to the existing list (if any). Use {<link setInstanceIds(java.util.Collection)>} or {<link withInstanceIds(java.util.Collection)>} if you want to override the existing values.<p>@param instanceIds One or more instance IDs.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more instance IDs.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
},
"xmlNameSpaceUri" : null
],
{"c2jName" : "Force",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.<p>@Default: <code>false</code>"",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.<p>@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.<p>@return Return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withForce",
"getterDocumentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.<p>@Default: false</p><p>@return Returns a reference to this object so that method calls can be chained together.*/",
"getMethodName" : "getForce",
"postProcessorParameters" : {
  "packagePath" : "com.amazonaws.servicesEc2.model",
  "className" : "DescribeInstanceStatusResponse",
  "methodName" : "getInstanceStatuses()
"}
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Force",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "force",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Force",
"setterDocumentation" : "/**<p>Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p><p>Default: <code>false</code></p>\n@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p><p>Default: <code>false</code></p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setForce",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "force",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nForces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p><p>Default: <code>false</code></p>
\n@param force Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.</p><p>Default: <code>false</code>
\n@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "force",
  "variableType" : "Boolean",
  "documentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances." default: <code>false</code>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Force" : {
    "c2jName" : "Force",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances."
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "returnType" : "Boolean",
    "documentation" : "Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances."
  }
}
**setterDocumentation** : 
 Forcing the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

**setterMethodName** : **setForce**

**setterModel** : 

```
"variableDeclarationType" : "Boolean",
"variableName" : "force",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
```

**simple** : true,

```
"varargSetterDocumentation" : "Forcing the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

Default: false

Let's return. Returns a reference to this object so that method calls can be chained together.
```

```
"variable" : 

```
"variableDeclarationType" : "Boolean",
"variableName" : "force",
"variableType" : "Boolean",
"documentation" : "Forcing the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

Default: false"
```

```
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
```

```
"xmlNameSpaceUri" : null
```

}
"InstanceIds" : {
  "c2jName" : "InstanceIds",
  "c2jShape" : "InstanceIdStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more instance IDs.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>One or more instance IDs.</p>
@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceIds",
  "getterDocumentation" : "/**<p>One or more instance IDs.</p>
@returns One or more instance IDs.*/",
  "getterMethodName" : "getInstanceIds",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**
@returns A reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "String",
      }
    }
  }
}
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String"
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs.
*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #getInstanceIds(java.util.Collection)} or { @link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "StopInstancesRequest",
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "StopInstancesRequest",
"variableName" : "StopInstancesRequest",}
"variableType" : "StopInstancesRequest",
"documentation" : null,
"simpleType" : "StopInstancesRequest",
"variableSetterType" : "StopInstancesRequest"
},
"wrapper" : false
},
"StopInstancesResult" : {
"c2jName" : "StopInstancesResult",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Contains the output of StopInstances.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [{
"c2jName" : "StoppingInstances",
"c2jShape" : "InstanceStateChangeList",
"deprecated" : false,
"documentation" : "<p>Information about one or more stopped instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**
* Information about one or more stopped instances.
* @param stoppingInstances Information about one or more stopped instances.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withStoppingInstances",
"getterDocumentation" : "/**
* Information about one or more stopped instances.
* @return Information about one or more stopped instances.
*/",
"getterMethodName" : "getStoppingInstances",
"getterModel" : {
"returnType" : "java.util.List<InstanceStateChange>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstancesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instancesSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceStateChange",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : /*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/,
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : /*\n@return */,
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceStateChange",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "InstanceStateChange",
  "variableName": "member",
  "variableType": "InstanceStateChange",
  "documentation": "",
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "InstanceStateChange",
  "variableName": "member",
  "variableType": "InstanceStateChange",
  "documentation": "",
  "simpleType": "InstanceStateChange",
  "variableSetterType": "InstanceStateChange"
},
"xmlNameSpaceUri": null,
"memberLocationName": "item",
"memberType": "InstanceStateChange",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "InstanceStateChange",
"templateImplType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType": "java.util.List<InstanceStateChange>"
},
"map": false,
"mapModel": null,
"name": "StoppingInstances",
"setterDocumentation": "/**\n\tInformation about one or more stopped instances.
\t\tparam stoppingInstances Information about one or more stopped instances.*/",
"setterMethodName": "setStoppingInstances",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
  "variableName": "stoppingInstances",
  "variableType": "java.util.List<InstanceStateChange>",
  "documentation": "",
  "simpleType": "List<InstanceStateChange>"
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more stopped instances.</p><br/>\n<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setStoppingInstances(java.util.Collection)} or { @link #withStoppingInstances(java.util.Collection)} if you want to override the existing values.</p><br/>\n@returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName" : "stoppingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "<p>Information about one or more stopped instances.</p>",
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
"StoppingInstances" : {
"c2jName" : "StoppingInstances",
"c2jShape" : "InstanceStateChangeList",
"deprecated" : false,
"documentation" : "<p>Information about one or more stopped instances.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about one or more stopped instances.</p><br/>\n@param stoppingInstances Information about one or more stopped instances.<br/>\n@returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withStoppingInstances",
"getterDocumentation" : "/**<p>Information about one or more stopped instances.</p><br/>\n@return Information about one or more stopped instances.<br/>\n*/",
"getterMethodName" : "getStoppingInstances",
"getterModel" : {
"returnType" : "java.util.List<InstanceStateChange>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstancesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instancesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "InstanceStateChange",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "InstanceStateChange",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "InstanceStateChange",
      "getterMethod" : {
        "returnType" : "InstanceStateChange",
        "documentation" : null
      },
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "InstanceStateChange",
        "documentation" : null
      }
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n     * @param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "InstanceStateChange",
      "getterMethod" : {
        "returnType" : "InstanceStateChange",
        "documentation" : null
      },
      "getterMethodName" : "getMember",
      "getterModel" : {
        "returnType" : "InstanceStateChange",
        "documentation" : null
      }
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
"variableName" : "member",
"variableType" : "InstanceStateChange",
"documentation" : "",
"simpleType" : "InstanceStateChange",
"variableSetterType" : "InstanceStateChange"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceStateChange",
  "variableName" : "member",
  "variableType" : "InstanceStateChange",
  "documentation" : "",
  "simpleType" : "InstanceStateChange",
  "variableSetterType" : "InstanceStateChange"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceStateChange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStateChange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"templateType" : "java.util.List<InstanceStateChange>"
},
"map" : false,
"mapModel" : null,
"name" : "StoppingInstances",
"setterDocumentation" : "/**<p>Information about one or more stopped instances.</p>
@param stoppingInstances Information about one or more stopped instances.*"",
"setterMethodName" : "setStoppingInstances",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
  "variableName" : "stoppingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "",
  "simpleType" : "List<InstanceStateChange>",
  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more stopped
instances.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link

#setStoppingInstances(java.util.Collection) or @link #withStoppingInstances(java.util.Collection)) if you want to
override the existing values.</p>

@returns Returns a reference to this object so that method calls can be chained together. */

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName" : "stoppingInstances",
"variableType" : "java.util.List<InstanceStateChange>",
"documentation" : "Information about one or more stopped instances.",
"simpleType" : "List<InstanceStateChange>",
"variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"xmlnsNamespaceUri" : null
}
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "StopInstancesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "StopInstancesResult",
"variableName" : "stopInstancesResult",
"variableType" : "StopInstancesResult",
"documentation" : null,
"simpleType" : "StopInstancesResult",
"variableSetterType" : "StopInstancesResult"
},
"wrapper" : false
},
"Storage" : {
"c2jName" : "Storage",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "Describes the storage location for an instance store-backed AMI.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "S3",
  "c2jShape" : "S3Storage",
  "deprecated" : false,
  "documentation" : "<p>An Amazon S3 storage location.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3",
  "getterDocumentation" : "/**<p>An Amazon S3 storage location.</p>
@return An Amazon S3 storage location.*/",
  "getterMethodName" : "getS3",
  "getterModel" : {
    "returnType" : "S3Storage",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "S3",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "S3",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "S3",
  "setterDocumentation" : "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setS3",
  "setterModel" : {
    "variableDeclarationType" : "S3Storage",
    "variableName" : "s3",
    "variableType" : "S3Storage",
    "documentation" : "",
    "simpleType" : "S3Storage",
    "variableSetterType" : "S3Storage"}
{"simple": false,
"varargSetterDocumentation": "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
"variableDeclarationType": "S3Storage",
"variableName": "s3",
"variableType": "S3Storage",
"documentation": "<p>An Amazon S3 storage location.</p>",
"simpleType": "S3Storage",
"variableSetterType": "S3Storage"
},
"xmlNameSpaceUri": null
}]
"membersAsMap": {
"S3": {
"c2jName": "S3",
"c2jShape": "S3Storage",
"deprecated": false,
"documentation": "<p>An Amazon S3 storage location.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName": "withS3",
"getterDocumentation": "/**<p>An Amazon S3 storage location.</p>
@return An Amazon S3 storage location.*/",
"getterMethodName": "getS3",
"getterModel": {
"returnType": "S3Storage",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "S3",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "S3",
"uri": false
},
"idempotencyToken": false,
"list": false,
**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.*/

"setterMethodName" : "setS3",
"setterModel" : {
  "variableDeclarationType" : "S3Storage",
  "variableName" : "s3",
  "variableType" : "S3Storage",
  "documentation" : "",
  "simpleType" : "S3Storage",
  "variableSetterType" : "S3Storage"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>An Amazon S3 storage location.</p>
@param s3 An Amazon S3 storage location.
@return Returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "S3Storage",
  "variableName" : "s3",
  "variableType" : "S3Storage",
  "documentation" : "An Amazon S3 storage location."",
  "simpleType" : "S3Storage",
  "variableSetterType" : "S3Storage"
},
"xmlNameSpaceUri" : null
},
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "Storage",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Storage",
  "variableName" : "storage",
  "variableType" : "Storage",
  "documentation" : null,
  "simpleType" : "Storage",
  "variableSetterType" : "Storage"
},
"wrapper" : false
},
"Subnet" : {

"c2jName" : "Subnet",
"customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a subnet.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ 
    { 
    "c2jName" : "SubnetId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the subnet.</p>\n@\param subnetId The ID of the subnet.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName" : "withSubnetId",
    "getterDocumentation" : "/**<p>The ID of the subnet.</p>\n@\return The ID of the subnet.*/",
    "getterMethodName" : "getSubnetId",
    "getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "SubnetId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "subnetId",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/** @p> The current state of the subnet.<p>@n@param state The current state of the subnet.<p>@n@see SubnetState*/",
"setterMethodName" : "setState",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "state",
   "variableType" : "String",
   "documentation" : ",",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** @p> The current state of the subnet.<p>@n@param state The current state of the subnet.<p>@n@return Returns a reference to this object so that method calls can be chained together.<p>@n@see SubnetState*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "state",
   "variableType" : "String",
   "documentation" : "<p>The current state of the subnet.<p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC the subnet is in.<p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** @p> The ID of the VPC the subnet is in.<p>@n@param vpcId The ID of the VPC the subnet is in.<p>@n@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**\n*p>The ID of the VPC the subnet is in.\n*\n*return The ID of the VPC the subnet is in.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n*p>The ID of the VPC the subnet is in.\n*\n*param vpcId The ID of the VPC the subnet is in.\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The ID of the VPC the subnet is in.\n*\n*param vpcId The ID of the VPC the subnet is in.\n*\n*return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC the subnet is in.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
"c2jName": "CidrBlock",
"c2jShape": "String",
"deprecated": false,
"documentation": "&lt;p&gt;The IPv4 CIDR block assigned to the subnet.&lt;/p&gt;",
"enumType": null,
"fluentSetterDocumentation": "/**&lt;p&gt;The IPv4 CIDR block assigned to the subnet.&lt;/p&gt;\n@type cidrBlock
The IPv4 CIDR block assigned to the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/&lt;/**",
"fluentSetterMethodName": "withCidrBlock",
"getterDocumentation": "/**&lt;p&gt;The IPv4 CIDR block assigned to the subnet.&lt;/p&gt;\n@type cidrBlock
The IPv4 CIDR block assigned to the subnet.\n@return The IPv4 CIDR block assigned to the subnet.*/&lt;/**",
"getterMethodName": "getCidrBlock",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CidrBlock",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "cidrBlock",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CidrBlock",
"setterDocumentation": "/**&lt;p&gt;The IPv4 CIDR block assigned to the subnet.&lt;/p&gt;\n@type cidrBlock
The IPv4 CIDR block assigned to the subnet.*/&lt;/**",
"setterMethodName": "setCidrBlock",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "cidrBlock",
"variableSetterType": "String"
},
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block assigned to the subnet.</p>
@param cidrBlock
The IPv4 CIDR block assigned to the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"/
",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block assigned to the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Ipv6CidrBlockAssociationSet",
"c2jShape" : "SubnetIpv6CidrBlockAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"/
",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@return Information about the IPv6 CIDR blocks associated with the subnet.*"/
",
"getterMethodName" : "getIpv6CidrBlockAssociationSet",
"getterModel" : {
  "returnType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlockAssociationSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
"\n\n\n
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"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "SubnetIpv6CidrBlockAssociation",
"variableName" : "member",
"variableType" : "SubnetIpv6CidrBlockAssociation",
"documentation" : "",
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "SubnetIpv6CidrBlockAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<SubnetIpv6CidrBlockAssociation>
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**
<p>Information about the IPv6 CIDR blocks associated with the
subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the
subnet.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
"documentation" : "",
"simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>
",
"simple" : false,
"varargSetterDocumentation" : "/**
<p>Information about the IPv6 CIDR blocks associated with the
subnet.</p>
<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link
variable" : {
   "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
   "variableName" : "ipv6CidrBlockAssociationSet",
   "variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
   "documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
   "simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
   "variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>",
   },
   "xmlNameSpaceUri" : null
},
"c2jName" : "AssignIpv6AddressOnCreation",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.</p>\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAssignIpv6AddressOnCreation",
"getterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.</p>
@returns Indicates whether a network interface created in this subnet (including a network interface created by `<a>RunInstances</a>`) receives an IPv6 address.*/",
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   "documentation" : null
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
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   "statusCode" : false,
   "unmarshallerLocationName" : "assignIpv6AddressOnCreation",
}
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},{
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**\nIndicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.*/",
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  "documentation" : "Indicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.
\n\nIn return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "Boolean"
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"c2jName" : "AvailableIpAddressCount",
"c2jShape" : "Integer",
"deprecated" : false,
"documentation" : "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n\n\nIn return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\nIndicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn return Returns a reference to this object so that method calls can be chained together.*/",
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"deprecated" : false,
"documentation" : "Indicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn return Returns a reference to this object so that method calls can be chained together.*/",
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"fluentSetterDocumentation" : "/**\nIndicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by \<@a\>RunInstances\(<@a\>)\) receives an IPv6 address.\n\n\nIn return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>@return The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.*\*/",
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "AvailableIpAddressCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availableIpAddressCount",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableIpAddressCount",
"setterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>@param availableIpAddressCount The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.*\*/",
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"setterModel" : {
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  "documentation" : "",
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  "variableSetterType" : "Integer"
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"simple" : true,
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  "variableType" : "Integer",
  "documentation" : "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable. */",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The Availability Zone of the subnet. */",
  "enumType" : null,
  "fluentSetterDocumentation" : "The Availability Zone of the subnet. */
  @param availabilityZone The Availability Zone of the subnet. */
  @return Returns a reference to this object so that method calls can be chained together. */",
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  "getterDocumentation" : "The Availability Zone of the subnet. */
  @return The Availability Zone of the subnet. */
  @param availabilityZone The Availability Zone of the subnet. */
  @return Returns a reference to this object so that method calls can be chained together. */",
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    "documentation" : null
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the subnet.</p>
@param availabilityZone The Availability Zone of the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*="/",
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  "documentation" : "<p>The Availability Zone of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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}!
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"c2jShape" : "Boolean",
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"documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether this is the default subnet for the Availability Zone.</p>
@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*="/",
"fluentSetterMethodName" : "withDefaultForAz",
"getterDocumentation" : "/**<p>Indicates whether this is the default subnet for the Availability Zone.</p>
@return Indicates whether this is the default subnet for the Availability Zone.\n"getMethodName" : "getDefaultForAz",
"getterModel" : {
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@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.*/",
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   "variableSetterType" : "Boolean"
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"varargSetterDocumentation" : "/**<p>Indicates whether this is the default subnet for the Availability Zone.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "variableType" : "Boolean",
   "documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
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"c2jName" : "MapPublicIpOnLaunch",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
 @param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
Open Source Used In Virtualized Voice Browser 12.6(1) 26580
"fluentSetterMethodName" : "withMapPublicIpOnLaunch",
"getterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@return Indicates whether instances launched in this subnet receive a public IPv4 address.*/",
"getterMethodName" : "getMapPublicIpOnLaunch",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "unmarshallLocationName" : "mapPublicIpOnLaunch",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
@param mapPublicIpOnLaunch Indicates whether instances launched in this subnet receive a public IPv4 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "",
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"variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the subnet.</p>*/
@param tags Any tags assigned to the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the subnet.</p>*/
@return Any tags assigned to the subnet.*/",
"getterMethodName" : "getTags",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
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"list" : true,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "Tag",
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    "documentation" : "",
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    "documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
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"variableSetterType" : "Boolean"
"enumType": null,
"fluentSetterDocumentation": "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation": "/**
 * @return */",
"getterMethodName": "getMember",
"getterModel": {
 "returnType": "Tag",
 "documentation": null
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
 * @param member */",
"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "Tag",
 "variableName": "member",
 "variableType": "Tag",
 "documentation": "",
 "simpleType": "Tag",
 "variableSetterType": "Tag"
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"simple": false,
"varargSetterDocumentation": "/**
 * @param member 
 * @return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
 "variableDeclarationType": "Tag",
 "variableName": "member",
 "variableType": "Tag"}
**Tags**

The `Tags` object represents any tags assigned to the subnet. The tags should be provided in the `tags` parameter as a list of `Tag` objects.

### Setter Documentation

**setTags**

```java
@Basic
@Setter
public void setTags(java.util.Collection<Tag> tags) {
    this.tags.addAll(tags);
}
```

**withTags**

```java
@Basic
@With
public Tags withTags(java.util.Collection<Tag> tags) {
    this.tags.addAll(tags);
    return this;
}
```

### Vararg Setter Documentation

**withTags**

```java
@Basic
@With
public Tags withTags(java.util.Collection<Tag>... tags) {
    this.tags.addAll(Arrays.asList(tags));
    return this;
}
```

### Description

- **Any tags assigned to the subnet.**
- **Note:** This method appends the values to the existing list (if any). Use `withTags(java.util.Collection)` or `withTags(java.util.Collection)` if you want to override the existing values.
- **Returns:** A reference to the object so that method calls can be chained together.

### Examples

**Set Tags Manually**

```java
Set<Tag> tags = new LinkedHashSet<>();
tags.add(new Tag("Key", "Value"));
Tags subnetTags = subnet.setTags(tags);
```

**Set Tags with Tags Method**

```java
Set<Tag> tags = new LinkedHashSet<>();
tags.add(new Tag("Key", "Value"));
subnet.withTags(tags);
```

**Set Tags with Varargs**

```java
Set<Tag> tags = new LinkedHashSet<>();
tags.add(new Tag("Key", "Value"));
subnet.withTags(tags.toArray(new Tag[0]));
```
"AssignIpv6AddressOnCreation": {
  "c2jName": "AssignIpv6AddressOnCreation",
  "c2jShape": "Boolean",
  "deprecated": false,
  "documentation": "Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\</p>\",
  "enumType": null,
  "fluentSetterDocumentation": "\;/*\<p\>Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\</p\>\n@\param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\</p\>\n@return Returns a reference to this object so that method calls can be chained together.\*/",
  "fluentSetterMethodName": "withAssignIpv6AddressOnCreation",
  "getterDocumentation": "\;/*\<p\>Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\</p\>\n@return Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\*/",
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  "getterModel": {
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    "documentation": null
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "isPayload": false,
    "isStreaming": false,
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    "statusCode": false,
    "unmarshallLocationName": "assignIpv6AddressOnCreation",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "AssignIpv6AddressOnCreation",
  "setterDocumentation": "\;/*\<p\>Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\</p\>\n@\param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network interface created by \&lt;a\>RunInstances\&lt;/a\>) receives an IPv6 address.\*/",
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    "documentation" : "",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether a network interface created in this subnet (including
a network interface created by <a>RunInstances</a>) receives an IPv6 address.</p>
@param assignIpv6AddressOnCreation Indicates whether a network interface created in this subnet (including a network
interface created by <a>RunInstances</a>) receives an IPv6 address.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "assignIpv6AddressOnCreation",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether a network interface created in this subnet (including a network
interface created by <a>RunInstances</a>) receives an IPv6 address.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
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"AvailabilityZone" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone of the subnet.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The Availability Zone of the subnet.</p>
@param availabilityZone The Availability Zone of the subnet.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**<p>The Availability Zone of the subnet.</p>
@return The Availability Zone of the subnet.<p/>
@return Returns a reference to this object so that method calls can be chained together.*/",
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        "documentation" : null
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        "additionalUnmarshallingPath" : null,
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            "additionalUnmarshallingPath" : null,
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            "greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailabilityZone",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the subnet.</p>
@param availabilityZone The Availability Zone of the subnet.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the subnet.</p>
@param availabilityZone The Availability Zone of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone of the subnet.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AvailableIpAddressCount" : {
  "c2jName" : "AvailableIpAddressCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that"
the IPv4 addresses for any stopped instances are considered unavailable.

@param availableIpAddressCount
The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.

@return
Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withAvailableIpAddressCount",
"getterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>*/

"getterMethodName" : "getAvailableIpAddressCount",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AvailableIpAddressCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availableIpAddressCount",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailableIpAddressCount",
"setterDocumentation" : "/**<p>The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.</p>*/

"setterMethodName" : "setAvailableIpAddressCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "availableIpAddressCount",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n */
 @param availableIpAddressCount
 The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n @return
 Returns a reference to this object so that method calls can be chained together. */",
 "variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "availableIpAddressCount",
 "variableType" : "Integer",
 "documentation" : "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.\n",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
 },
 "xmlNameSpaceUri" : null
 },
 "CidrBlock" : {
 "c2jName" : "CidrBlock",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The IPv4 CIDR block assigned to the subnet.\n",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n * The IPv4 CIDR block assigned to the subnet.\n */
 @param cidrBlock
 The IPv4 CIDR block assigned to the subnet.\n @return
 Returns a reference to this object so that method calls can be chained together. */",
 "fluentSetterMethodName" : "withCidrBlock",
 "getterDocumentation" : "/**\n * The IPv4 CIDR block assigned to the subnet.\n */
 @return
 The IPv4 CIDR block assigned to the subnet.\n",
 "getterMethodName" : "getCidrBlock",
 "getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "CidrBlock",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "cidrBlock",
 "uri" : false
 },

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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**\n*p> The IPv4 CIDR block assigned to the subnet.\n@param cidrBlock The IPv4 CIDR block assigned to the subnet.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p> The IPv4 CIDR block assigned to the subnet.\n@param cidrBlock The IPv4 CIDR block assigned to the subnet.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block assigned to the subnet.</p>
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DefaultForAz" : {
  "c2jName" : "DefaultForAz",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>
"enumType" : null,
  "fluentSetterDocumentation" : "/**\n*p> Indicates whether this is the default subnet for the Availability Zone.\n@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withDefaultForAz",
  "getterDocumentation" : "/**\n*p> Indicates whether this is the default subnet for the Availability Zone.\n"getterMethodName" : "getDefaultForAz",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "DefaultForAz",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "defaultForAz",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "DefaultForAz",
"setterDocumentation": "/*\n@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setDefaultForAz",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "defaultForAz",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/*\n@param defaultForAz Indicates whether this is the default subnet for the Availability Zone.
@return returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "defaultForAz",
  "variableType": "Boolean",
  "documentation": "Indicates whether this is the default subnet for the Availability Zone.
"simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"Ipv6CidrBlockAssociationSet": {
  "c2jName": "Ipv6CidrBlockAssociationSet",}
"c2jShape" : "SubnetIpv6CidrBlockAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>
@return Information about the IPv6 CIDR blocks associated with the subnet.*"",
"getterMethodName" : "getIpv6CidrBlockAssociationSet",
"getterModel" : {
  "returnType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlockAssociationSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "SubnetIpv6CidrBlockAssociation",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*"",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return "",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "SubnetIpv6CidrBlockAssociation",
      "documentation" : null
    }
  }
}
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "SubnetIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<SubnetIpv6CidrBlockAssociation>"
],
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/** Information about the IPv6 CIDR blocks associated with the subnet.<p>@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
  "variableName" : "ipv6CidrBlockAssociationSet",
  "variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
  "documentation" : "",
  "simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
  "variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/** Information about the IPv6 CIDR blocks associated with the subnet.<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpv6CidrBlockAssociationSet(java.util.Collection)} or { @link #withIpv6CidrBlockAssociationSet(java.util.Collection)} if you want to override the existing values.<p>@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the subnet.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<SubnetIpv6CidrBlockAssociation>",
  "variableName" : "ipv6CidrBlockAssociationSet",
  "variableType" : "java.util.List<SubnetIpv6CidrBlockAssociation>",
  "documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
  "simpleType" : "List<SubnetIpv6CidrBlockAssociation>",
  "variableSetterType" : "java.util.Collection<SubnetIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri" : null
},
"MapPublicIpOnLaunch" : {
  "c2jName" : "MapPublicIpOnLaunch",
  "c2jShape" : "Boolean",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",

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"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.<p/>
@returns A reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMapPublicIpOnLaunch",
"getterDocumentation": "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.<p/>
@return A reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMapPublicIpOnLaunch",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "MapPublicIpOnLaunch",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "mapPublicIpOnLaunch",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "MapPublicIpOnLaunch",
"setterDocumentation": "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.<p/>
@param A reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setMapPublicIpOnLaunch",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "mapPublicIpOnLaunch",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether instances launched in this subnet receive a public IPv4 address.<p/>
@param A reference to this object so that method calls can be chained together.*/"}
public IPv4 address.

```java
@return Returns a reference to this object so that method calls can be chained together. */

"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "mapPublicIpOnLaunch",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"State" : {
    "c2jName" : "State",
    "c2jShape" : "SubnetState",
    "deprecated" : false,
    "documentation" : "<p>The current state of the subnet.</p>
    "enumType" : "SubnetState",
    "fluentSetterDocumentation" : "/\*<p>The current state of the subnet.</p>\*/
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/\*<p>The current state of the subnet.</p>\*/
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
}
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the subnet.</p>
@param state The current state of the subnet.
@see SubnetState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the subnet.</p>
@param state The current state of the subnet.
@return Returns a reference to this object so that method calls can be chained together.
@see SubnetState*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The current state of the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"SubnetId" : {
"c2jName" : "SubnetId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "*/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withSubnetId",
"getterDocumentation" : "*/**<p>The ID of the subnet.</p>
@return The ID of the subnet.*/",
"getterMethodName" : "getSubnetId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"setterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.*"",
"setterMethodName" : "setSubnetId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the subnet.</p>
@param subnetId The ID of the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "subnetId",
"variableType" : "String",
"documentation" : "<p>The ID of the subnet.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the subnet.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the subnet.</p>
@param tags Any tags assigned to the subnet.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the subnet.</p>
@return Any tags assigned to the subnet."
subnet.*$",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "TagSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "tagSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together. */",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@returns */",
      "getterModel" : {
        "returnType" : "Tag",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "TagSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "tagSet",
        "uri" : false
      },
      "idempotencyToken" : false,
      "list" : true,
      "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "c2jName" : "member",
          "c2jShape" : "Tag",
          "deprecated" : false,
          "documentation" : "",
          "enumType" : null,
          "fluentSetterDocumentation" : "/**\n@returns a reference to this object so that method calls can be chained together. */",
          "fluentSetterMethodName" : "withMember",
          "getterDocumentation" : "/**\n@returns */",
          "getterModel" : {
            "returnType" : "Tag",
            "documentation" : null
          },
          "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
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"list" : false,
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe ID of the VPC the subnet is in.\n*@param vpcId The ID of the VPC the subnet is in.\n*\n@return Returns a reference to this object so that method calls can be chained together.\n*/",
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    "variableType" : "Subnet",
    "documentation" : null,
    "simpleType" : "Subnet",
    "variableSetterType" : "Subnet"
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"wrapper" : false
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"SubnetCidrBlockState" : {
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    "enums" : null,
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    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
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            "enumType" : "SubnetCidrBlockStateCode",
            "fluentSetterDocumentation" : "/**&lt;p&gt;The state of a CIDR block.&lt;/p&gt;&lt;\n&gt;\n@see SubnetCidrBlockStateCode*/",
            "fluentSetterMethodName" : "withState",
            "getterDocumentation" : "/**&lt;p&gt;The state of a CIDR block.&lt;/p&gt;&lt;\n&gt;\n@see SubnetCidrBlockStateCode*/",
            "getterMethodName" : "getState",
            "getterModel" : {
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                "documentation" : null
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    "unmarshallLocationName" : "state",
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    "variableType" : "String",
    "documentation" : "",
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    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String"
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"enumType" : null,
"fluentSetterDocumentation" : "/** <p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*"]",
"fluentSetterMethodName" : "withStatusMessage",
"getterDocumentation" : "/** <p>A message about the status of the CIDR block, if applicable.</p>
@return A message about the status of the CIDR block, if applicable.*"]",
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  "isPayload" : false,
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@return Returns a reference to this object so that method calls can be chained together.

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        "fluentSetterDocumentation" : "The state of a CIDR block.

    
        "getterDocumentation" : "The state of a CIDR block.

    
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            "documentation" : null
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    "documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
@param statusMessage A message about the status of the CIDR block, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>
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        "documentation" : null
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  "variableSetterType" : "SubnetCidrBlockState"
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    "value" : "disassociating"
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  "variableType" : "SubnetCidrBlockStateCode",
  "documentation" : null,
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The IPv6 CIDR block.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The IPv6 CIDR block.</p>*/
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  "fluentSetterMethodName": "withIpv6CidrBlock",
  "getterDocumentation": "/**<p>The IPv6 CIDR block.</p>*/
  @return The IPv6 CIDR block."\n  @return The IPv6 CIDR block.*/"
"getterMethodName" : "getIpv6CidrBlock",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlock",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**\n<p>The IPv6 CIDR block.</p>
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"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The IPv6 CIDR block.\n@param ipv6CidrBlock The IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The IPv6 CIDR block.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"variableSetterType" : "SubnetCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.<br/>
@param ipv6CidrBlockState Information about the state of the CIDR block.<br/>
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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"documentation" : "<p>Information about the state of the CIDR block.<br/>
simpleType" : "SubnetCidrBlockState",
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enumType" : null,
"fluentSetterDocumentation" : "/**<p>The association ID for the CIDR block.<br/>
@param associationId The association ID for the CIDR block.<br/>
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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"getterDocumentation" : "/**<p>The association ID for the CIDR block.<br/>
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"getterMethodName" : "getAssociationId",
"getterModel" : {
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"documentation" : null
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"statusCode" : false,
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"listModel": null,
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"mapModel": null,
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"setterMethodName": "setAssociationId",
"setterModel": {
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    "fluentSetterMethodName": "withAssociationId",
    "getterDocumentation": "/**<p>The association ID for the CIDR block.</p>\n@return The association ID for the CIDR block.*/",
    "getterMethodName": "getAssociationId",
    "getterModel": {
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"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "String",
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  "variableSetterType" : "String"
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@param associationId The association ID for the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The association ID for the CIDR block.</p>",
  "simpleType" : "String",
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},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlock" : {
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  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"Ipv6CidrBlockState" : {
  "c2jName" : "Ipv6CidrBlockState",
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  "deprecated" : false,
  "documentation" : "<p>Information about the state of the CIDR block.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>*/
@parameter

ipv6CidrBlockState Information about the state of the CIDR block.
@returns Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withIpv6CidrBlockState",
  "getterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>*/
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@returns Returns a reference to this object so that method calls can be chained together.*/",
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  "getterModel" : {
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlockState",
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Ipv6CidrBlockState"
"setterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param ipv6CidrBlockState Information about the state of the CIDR block.*/",
"setterMethodName" : "setIpv6CidrBlockState",
"setterModel" : {
  "variableDeclarationType" : "SubnetCidrBlockState",
  "variableName" : "ipv6CidrBlockState",
  "variableType" : "SubnetCidrBlockState",
  "documentation" : "",
  "simpleType" : "SubnetCidrBlockState",
  "variableSetterType" : "SubnetCidrBlockState"
},
"simple" : false,
"vararg SetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "SubnetCidrBlockState",
  "variableName" : "ipv6CidrBlockState",
  "variableType" : "SubnetCidrBlockState",
  "documentation" : "<p>Information about the state of the CIDR block.</p>",
  "simpleType" : "SubnetCidrBlockState",
  "variableSetterType" : "SubnetCidrBlockState"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "SubnetIpv6CidrBlockAssociation",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SubnetIpv6CidrBlockAssociation",
  "variableName" : "subnetIpv6CidrBlock Association",
  "variableType" : "SubnetIpv6CidrBlockAssociation",
  "documentation" : null,
  "simpleType" : "SubnetIpv6CidrBlockAssociation",
  "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
},
"wrapper" : false
},
"SubnetState" : {
  "c2jName" : "SubnetState",
  "customization" : {
    "artificialResultWrapper" : null,
    "requestSignerAware" : false,
    "required" : null,
    "shapeName" : "SubnetIpv6CidrBlockAssociation",
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
    },
    "variable" : {
      "variableDeclarationType" : "SubnetIpv6CidrBlockAssociation",
      "variableName" : "subnetIpv6CidrBlockAssociation",
      "variableType" : "SubnetIpv6CidrBlockAssociation",
      "documentation" : null,
      "simpleType" : "SubnetIpv6CidrBlockAssociation",
      "variableSetterType" : "SubnetIpv6CidrBlockAssociation"
    },
    "wrapper" : false
  }
}
"documentation": "",
"enums": [ {
  "name": "Ok",
  "value": "ok"
}, {
  "name": "Impaired",
  "value": "impaired"
}, {
  "name": "InsufficientData",
  "value": "insufficient-data"
}, {
  "name": "NotApplicable",
  "value": "not-applicable"
}, {
  "name": "Initializing",
  "value": "initializing"
} ],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": { },
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "SummaryStatus",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "SummaryStatus",
  "variableName": "summaryStatus",
  "variableType": "SummaryStatus",
  "documentation": null,
  "simpleType": "SummaryStatus",
  "variableSetterType": "SummaryStatus"
},
"wrapper": false
},
"Tag": {
  "c2jName": "Tag",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a tag.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : [ {
  "c2jName" : "Key",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The key of the tag.</p> Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The key of the tag.</p> Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>
  @param key The key of the tag.
  @return The key of the tag.
  @return The key of the tag.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withKey",
  "getterDocumentation" : "/**<p>The key of the tag.</p> Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with <code>aws:</code>
  @return The key of the tag.
  @return The key of the tag.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "getterMethodName" : "getKey",
  "getterModel" : {,
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
"getterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@return The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.*/",
"getterMethodName" : "getValue",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Value",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "value",
 "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "Value",
 "setterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setValue",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "value",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "varargSetterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>
@param value The value of the tag.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "value",
 "variableType" : "String",
 "documentation" : null
 },
"variableName" : "value",
"variableType" : "String",
"documentation" : "<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p> ",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
  "Key" : {
    "c2jName" : "Key",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with &lt;code&gt;aws:&lt;/code&gt;</p> ",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with &lt;code&gt;aws:&lt;/code&gt;</p> 
*\n@param key The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with &lt;code&gt;aws:&lt;/code&gt;</p>
*\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withKey",
    "getterDocumentation" : "/**<p>The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with &lt;code&gt;aws:&lt;/code&gt;</p>
*\n@return The key of the tag.</p> <p>Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with &lt;code&gt;aws:&lt;/code&gt;</p>
*\n"",
    "getterMethodName" : "getKey",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Key",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "key",
      "uri" : false
    },
    "idempotencyToken" : false,
**The key of the tag.** Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with `<code>aws:</code>`. 

**The value of the tag.** Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.
accept a maximum of 255 Unicode characters.</p>@return The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.*///

"getterMethodName" : "getValue",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Value",
"setterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.*///

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"vargSetterDocumentation" : "/**<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>@param value The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.\n@return Returns a reference to this object so that method calls can be chained together.*///

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "variableSetterType" : "String"
}
"variableType": "String",
"documentation": "<p>The value of the tag.</p> <p>Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "Tag",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "Tag",
"variableName": "tag",
"variableType": "Tag",
"documentation": null,
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"wrapper": false
},
"TagDescription": {
"c2jName": "TagDescription",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a tag.</p> ",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
"c2jName": "ResourceId",
"c2jShape": "String",
"deprecated": false,
"documentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@return The ID of the resource. For example, <code>ami-1a2b3c4d</code>.*/*",
"getterMethodName" : "getResourceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "ResourceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "resourceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceId",
"setterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*",
"setterMethodName" : "setResourceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : undefined,
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/*
"varargSetterMethodName" : "withResourceIds",
"varargSetterModel" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
  
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "ResourceType",
  "c2jShape" : "ResourceType",
  "deprecated" : false,
  "documentation" : "<p>The resource type.</p>
  "enumType" : "ResourceType",
  "fluentSetterDocumentation" : "/**
  <p>The resource type.</p>
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @param resourceType The resource type.
  
  @see ResourceType*/",
  "fluentSetterMethodName" : "withResourceType",
  "getterDocumentation" : "/**
  <p>The resource type.</p>
  
  @return The resource type.
  
  @see ResourceType*/",
  "getterMethodName" : "getResourceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "resourceType",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ResourceType",
"setterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@see ResourceType*/",
"setterMethodName" : "setResourceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.
@see ResourceType*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceType",
  "variableType" : "String",
  "documentation" : "<p>The resource type.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "Key",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The tag key.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The tag key.</p>
@param key The tag key.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withKey",
"getterDocumentation" : "/**<p>The tag key.</p>
@return The tag key.*/",
"getterMethodName" : "getKey",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "Key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Key",
"setterDocumentation" : "/**<p>The tag key.</p>
@param key The tag key.*/",
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  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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@param key The tag key
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "enumType" : null,
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@param value The tag value
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withValue",
  "getterDocumentation" : "/**<p>The tag value.</p>
@return The tag value.
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    "documentation" : null
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableSetterType" : "String"
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@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag value.</p>
@param value The tag value.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"simpleType" : "String",
"variableSetterType" : "String"
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The tag key.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The tag key.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withKey",
"getterDocumentation" : "/**<p>The tag key.</p><p>@return The tag key.</p>*/",
"getterMethodName" : "getKey",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "greedy" : false,
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  "isPayload" : false,
  "isStreaming" : false,
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  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The tag key.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"variableName" : "key",
"variableType" : "String",
"documentation" : "&lt;p&gt;The tag key.&lt;/p&gt;",
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"variableSetterType" : "String"
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 "documentation" : "&lt;p&gt;The ID of the resource. For example, &lt;code&gt;ami-1a2b3c4d&lt;/code&gt;.&lt;/p&gt;",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**&lt;p&gt;The ID of the resource. For example, &lt;code&gt;ami-1a2b3c4d&lt;/code&gt;.&lt;/p&gt;\n @param resourceId The ID of the resource. For example, &lt;code&gt;ami-1a2b3c4d&lt;/code&gt;.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
 "fluentSetterMethodName" : "withResourceId",
 "getterDocumentation" : "/**&lt;p&gt;The ID of the resource. For example, &lt;code&gt;ami-1a2b3c4d&lt;/code&gt;.&lt;/p&gt;\n@return The ID of the resource. For example, &lt;code&gt;ami-1a2b3c4d&lt;/code&gt;.*/&lt;/p&gt;",
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 "getterModel" : {
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 "documentation" : null
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 "additionalUnmarshallingPath" : null,
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 "greedy" : false,
 "header" : false,
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "resourceId",
 "uri" : false
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 "listModel" : null,
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 "mapModel" : null,
 "name" : "ResourceId",
 "setterDocumentation" : "/**&lt;p&gt;The ID of the resource. For example, &lt;code&gt;ami-
1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*"/",
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"variableType" : "String",
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"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceId The ID of the resource. For example, <code>ami-1a2b3c4d</code>.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>
@param resourceType The resource type.
@return The resource type.
@see ResourceType*/",
"fluentSetterMethodName" : "withResourceType",
"fluentSetterDocumentation" : "/*<p>The resource type.</p>
@param resourceType The resource type.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getResourceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isPayload" : false,
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"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceType",
"setterDocumentation" : "/*/p>The resource type.</p>
@returns The resource type.

@see ResourceType*/",
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  "variableName" : "resourceType",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@returns Returns a reference to this object so that method calls can be chained together.

@see ResourceType*/",
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  "simpleType" : "String",
  "variableSetterType" : "String"
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The tag value.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*/p>The tag value.</p>
@returns Returns a reference to this object so that method calls can be chained together.
*/",}
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"getterDocumentation": "/**<p>The tag value.</p>@return The tag value.*/",
"getterMethodName": "getValue",
"getterModel": {
   "returnType": "String",
   "documentation": null
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"idempotencyToken": false,
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   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
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"setterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return The ID of the Convertible Reserved Instance offering.*/",
"setterMethodName": "setOfferingId",
"setterModel": {
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  "variableName": "offeringId",
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType": "String",
  "documentation": null,
  "returnType": "String",
  "getterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return The ID of the Convertible Reserved Instance offering.*/",
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  "getterModel": {
    "returnType": "String",
    "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "OfferingId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "offeringId",
    "uri": false
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  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "OfferingId",
  "setterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@param offeringId The ID of the Convertible Reserved Instance offering.*/",
  "setterMethodName": "setOfferingId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "offeringId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
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  "varargSetterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable": {
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    "variableName": "offeringId",
    "variableType": "String",
    "documentation": null,
    "returnType": "String",
    "getterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return The ID of the Convertible Reserved Instance offering.*/",
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    "getterModel": {
      "returnType": "String",
      "documentation": null
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      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
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      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "offeringId",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "OfferingId",
    "setterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@param offeringId The ID of the Convertible Reserved Instance offering.*/",
    "setterMethodName": "setOfferingId",
    "setterModel": {
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      "variableName": "offeringId",
      "variableType": "String",
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      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
    "varargSetterDocumentation": "/**
<p>The ID of the Convertible Reserved Instance offering.</p>
\n@return Returns a reference to this object so that method calls can be chained together.*/
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"documentation": "The ID of the Convertible Reserved Instance offering.",
"simpleType": "String",
"variableSetterType": "String"
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"enumType": null,
"fluentSetterDocumentation": "The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withInstanceCount",
"getterDocumentation": "The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
@return The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
"getterMethodName": "getInstanceCount",
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"additionalUnmarshallingPath": null,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "InstanceCount"
"setterDocumentation": "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
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"setterModel": {
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  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "Integer",
  "documentation": "The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"xmlNameSpaceUri": null
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"membersAsMap": {
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    "c2jShape": "Integer",
    "deprecated": false,
    "documentation": "The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withInstanceCount",
    "getterDocumentation": "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@return The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
    "name": "InstanceCount"
  }
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"getterMethodName" : "getInstanceCount",
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "location" : null,
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceCount",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : "/**\n*p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "simple" : true,
    "variableSetterType" : "Integer"}
"variableType" : "Integer",
"documentation" : "<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
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"OfferingId" : {
"c2jName" : "OfferingId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the Convertible Reserved Instance offering.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the Convertible Reserved Instance offering.</p>
@param offeringId The ID of the Convertible Reserved Instance offering.</param>@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The ID of the Convertible Reserved Instance offering.</p>
@return The ID of the Convertible Reserved Instance offering.*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The ID of the Convertible Reserved Instance offering.</p>
@param offeringId The ID of the Convertible Reserved Instance offering.*/"
**setterMethodName**: "setOfferingId",

**setterModel**: {

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  *variableName*: "offeringId",
  *variableType*: "String",
  *documentation*: "",
  *simpleType*: "String",
  *variableSetterType": "String"
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*simple* : true,

*varargSetterDocumentation* : "/**<p>The ID of the Convertible Reserved Instance offering.</p>
@param offeringId The ID of the Convertible Reserved Instance offering.
@return Returns a reference to this object so that method calls can be chained together.*/",

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  *variableType*: "String",
  *documentation*: "<p>The ID of the Convertible Reserved Instance offering.</p>",
  *simpleType*: "String",
  *variableSetterType": "String"
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*requestSignerClassFqcn* : null,

*required* : null,

*shapeName* : "TargetConfiguration",

*unmarshaller* : {

  *flattened* : false,
  *resultWrapper* : null
},

*variable* : {

  *variableDeclarationType*: "TargetConfiguration",
  *variableName*: "targetConfiguration",
  *variableType*: "TargetConfiguration",
  *documentation* : null,
  *simpleType*: "TargetConfiguration",
  *variableSetterType": "TargetConfiguration"
},

*wrapper* : false

*TargetConfigurationRequest* : {

  *c2jName* : "TargetConfigurationRequest",
  *customization* : {

    *artificialResultWrapper* : null,
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    *skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "<p>Details about the target configuration.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ { "c2jName" : "OfferingId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The Convertible Reserved Instance offering ID.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
  @param offeringId The Convertible Reserved Instance offering ID.
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withOfferingId",
  "getterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
  @return The Convertible Reserved Instance offering ID.*/",
  "getterMethodName" : "getOfferingId",
  "getterModel" : { "returnType" : "String",
  "documentation" : null
  }
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"http" : { "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "OfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "OfferingId",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OfferingId",
"setterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId The Convertible Reserved Instance offering ID */",
"setterMethodName" : "setOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId The Convertible Reserved Instance offering ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The Convertible Reserved Instance offering ID.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "InstanceCount",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.</p>
  @param instanceCount The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
  @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withInstanceCount",
  "getterDocumentation" : "/**<p>The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.</p>
  @return The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
  "getterMethodName" : "getInstanceCount",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {

"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceCount",
"setterDocumentation" : /**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>*/
@param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/
returns
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : /**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>*/
returns a reference to this object so that method calls can be chained together.*/

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceCount" : {
    "c2jName" : "InstanceCount",
    "c2jShape" : "Integer",
    "deprecated" : false,
    "documentation" : "<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceCount",
    "getterDocumentation" : "/**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@return The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
    "getterMethodName" : "getInstanceCount",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
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    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "InstanceCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceCount",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "InstanceCount",
    "setterDocumentation" : "/**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>\n@param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/",
    "setterMethodName" : "withInstanceCount",
    "type" : "Integer",
    "typeModel" : {
      "type" : "Integer",
      "documentation" : null
    }
  }
}
}
of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request*/

"setterMethodName" : "setInstanceCount",
"setterModel" : {
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    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>
@param instanceCount The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "documentation" : "<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
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"OfferingId" : {
    "c2jName" : "OfferingId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId The Convertible Reserved Instance offering ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId The Convertible Reserved Instance offering ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOfferingId",
"getterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId The Convertible Reserved Instance offering ID.
@return The Convertible Reserved Instance offering ID.*/",
"getterMethodName" : "getOfferingId",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "OfferingId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId
The Convertible Reserved Instance offering ID.*/",
"setterMethodName" : "setOfferingId",
"setterModel" : {
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  "variableName" : "offeringId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Convertible Reserved Instance offering ID.</p>
@param offeringId
The Convertible Reserved Instance offering ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
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  "variableType" : "String",
  "documentation" : "<p>The Convertible Reserved Instance offering ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "OfferingId" ],
"shapeName" : "TargetConfigurationRequest",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
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    "variableName" : "targetConfigurationRequest",
    "variableType" : "TargetConfigurationRequest",
    "documentation" : null,
    "simpleType" : "TargetConfigurationRequest",
    "variableSetterType" : "TargetConfigurationRequest"
},
"wrapper" : false
},
"TargetReservationValue" : {
    "c2jName" : "TargetReservationValue",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>The total value of the new Convertible Reserved Instances.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
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            "c2jName" : "TargetConfiguration",
            "c2jShape" : "TargetConfiguration",
            "deprecated" : false,
            "documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>",
            "enumType" : null,
            "fluentSetterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>@param targetConfiguration The configuration of the Convertible Reserved Instances that make up the exchange.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
            "fluentSetterMethodName" : "withTargetConfiguration",
            "getterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>@return The configuration of the Convertible Reserved Instances that make up the exchange.</p>*/",
            "getterMethodName" : "getTargetConfiguration",
            "getterModel" : {
                "returnType" : "TargetConfiguration",
                "documentation" : null
            }
        }
    ]
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"http": { 
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  "additionalUnmarshallingPath": null, 
  "flattened": false, 
  "greedy": false, 
  "header": false, 
  "isPayload": false, 
  "isStreaming": false, 
  "location": null, 
  "marshallLocationName": "TargetConfiguration", 
  "queryString": false, 
  "statusCode": false, 
  "unmarshallLocationName": "targetConfiguration", 
  "uri": false 
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"idempotencyToken": false, 
"list": false, 
"listModel": null, 
"map": false, 
"mapModel": null, 
"name": "TargetConfiguration", 
"setterDocumentation": "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>
@param targetConfiguration The configuration of the Convertible Reserved Instances that make up the exchange.*/", 
"setterMethodName": "setTargetConfiguration", 
"setterModel": { 
  "variableDeclarationType": "TargetConfiguration", 
  "variableName": "targetConfiguration", 
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  "documentation": "", 
  "simpleType": "TargetConfiguration", 
  "variableSetterType": "TargetConfiguration" 
},
"simple": false, 
"varargSetterDocumentation": "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>
@param targetConfiguration The configuration of the Convertible Reserved Instances that make up the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
"variable": { 
  "variableDeclarationType": "TargetConfiguration", 
  "variableName": "targetConfiguration", 
  "variableType": "TargetConfiguration", 
  "documentation": "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>
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  "simpleType": "TargetConfiguration", 
  "variableSetterType": "TargetConfiguration" 
},
"xmlNameSpaceUri": null
"c2jName" : "ReservationValue",
"c2jShape" : "ReservationValue",
"deprecated" : false,
"documentation" : "<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@param reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withReservationValue",
"getterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@return The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.*/",
"getterMethodName" : "getReservationValue",
"getterModel" : {
  "returnType" : "ReservationValue",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservationValue",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationValue",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservationValue",
"setterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@param reservationValue The total value of the Convertible Reserved Instances that make up the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setReservationValue"
"setterModel": {
  "variableDeclarationType": "ReservationValue",
  "variableName": "reservationValue",
  "variableType": "ReservationValue",
  "documentation": "",
  "simpleType": "ReservationValue",
  "variableSetterType": "ReservationValue"
},
  "simple": false,
  "varargSetterDocumentation": "/**\n   * The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. \n   * \n   * @param reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. \n   * @return Returns a reference to this object so that method calls can be chained together. */",
  "variable": {
  "variableDeclarationType": "ReservationValue",
  "variableName": "reservationValue",
  "variableType": "ReservationValue",
  "documentation": "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange."",
  "simpleType": "ReservationValue",
  "variableSetterType": "ReservationValue"
  },
  "xmlNameSpaceUri": null
},
"membersAsMap": {
  "ReservationValue": {
  "c2jName": "ReservationValue",
  "c2jShape": "ReservationValue",
  "deprecated": false,
  "documentation": "The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.",
  "enumType": null,
  "fluentSetterDocumentation": "/**\n   * The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. \n   * @param reservationValue The total value of the Convertible Reserved Instances that make up the exchange. \n   * @return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName": "withReservationValue",
  "getterDocumentation": "/**\n   * The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. \n   * @return The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange. */",
  "getterMethodName": "getReservationValue",
  "getterModel": {
  "returnType": "ReservationValue",
  "documentation": null
  }
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ReservationValue",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationValue",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ReservationValue",
"setterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@method reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.*/",
"setterMethodName" : "setReservationValue",
"setterModel" : {
  "variableDeclarationType" : "ReservationValue",
  "variableName" : "reservationValue",
  "variableType" : "ReservationValue",
  "documentation" : "",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@method reservationValue The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "reservationValue",
  "variableType" : "ReservationValue",
  "documentation" : "<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>\n@method reservationValue Returns a reference to this object so that method calls can be chained together.*/",
  "simpleType" : "ReservationValue",
  "variableSetterType" : "ReservationValue"
"xmlNameSpaceUri" : null,
"TargetConfiguration" : {
"c2jName" : "TargetConfiguration",
"c2jShape" : "TargetConfiguration",
"deprecated" : false,
"documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTargetConfiguration",
"getterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>@return The configuration of the Convertible Reserved Instances that make up the exchange.*/",
"getterMethodName" : "getTargetConfiguration",
"getterModel" : {
"returnType" : "TargetConfiguration",
"documentation" : null
},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "targetConfiguration",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "TargetConfiguration",
"setterDocumentation" : "/**<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>@param targetConfiguration The configuration of the Convertible Reserved Instances that make up the exchange.*/",
"setterMethodName" : "setTargetConfiguration",
"setterModel" : {
"variableDeclarationType" : "TargetConfiguration",
"returnType" : "TargetConfiguration",
"documentation" : null
}
}
"variableName" : "targetConfiguration",
"variableType" : "TargetConfiguration",
"documentation" : "",
"simpleType" : "TargetConfiguration",
"variableSetterType" : "TargetConfiguration"
}
,"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The configuration of the Convertible Reserved Instances that make up
the exchange.</p>
@param targetConfiguration The configuration of the Convertible Reserved Instances that
make up the exchange.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "TargetConfiguration",
"variableName" : "targetConfiguration",
"variableType" : "TargetConfiguration",
"documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the
exchange.</p>",
"simpleType" : "TargetConfiguration",
"variableSetterType" : "TargetConfiguration"
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"xmlNameSpaceUri" : null
}
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "TargetReservationValue",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "TargetReservationValue",
"variableName" : "targetReservationValue",
"variableType" : "TargetReservationValue",
"documentation" : null,
"simpleType" : "TargetReservationValue",
"variableSetterType" : "TargetReservationValue"
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"wrapper" : false
},
"TelemetryStatus" : {
"c2jName" : "TelemetryStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"T
"deprecated" : false,
"documentation" : "",
"enums" : [ 
    "name" : "UP",
    "value" : "UP"
],
"name" : "DOWN",
"value" : "DOWN"
},
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "TelemetryStatus",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
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"variable" : {
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    "variableName" : "telemetryStatus",
    "variableType" : "TelemetryStatus",
    "documentation" : null,
    "simpleType" : "TelemetryStatus",
    "variableSetterType" : "TelemetryStatus"
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"wrapper" : false
},
"Tenancy" : {
    "c2jName" : "Tenancy",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "",
    "enums" : [ 
        "name" : "Default",
        "value" : "default"
"hasStreamingMember": false,
"marshaller": {
"action": "TerminateInstances",
"locationName": null,
"requestUri": "/",
"target": null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
"c2jName": "InstanceIds",
"c2jShape": "InstanceIdStringList",
"deprecated": false,
"documentation": "/p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
"enumType": null,
"fluentSetterDocumentation": "/p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>\n@param instanceIds One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.\n@return Returns a reference to this object so that method calls can be chained together.*/
"fluentSetterMethodName": "withInstanceIds",
"getterDocumentation": "/p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>\n@return One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/
"getterMethodName": "getInstanceIds",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "InstanceId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceId",
"uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",}
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
 @param member
 @return Returns a reference to this object so that
 method calls can be chained together. */",
  "fluentSetterMethodName" : "withMember",
  "getterDocumentation" : "/**
 @return */",
  "getterMethodName" : "getMember",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
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    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**
 @param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : /* <p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/
<p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"varargSetterDocumentation" : /* <p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/
<p>NOTE: This method appends the values to the existing list (if any). Use { @link #getInstanceIds(java.util.Collection) } or { @link #withInstanceId(java.util.Collection) } if you want to override the existing values. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.*/
<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"}
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "InstanceId" : {
    "c2jName" : "InstanceId",
    "c2jShape" : "InstanceIdStringList",
    "deprecated" : false,
    "documentation" : "<p>One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : 
      "/**
       * One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.
       */
      
       @param instanceIds One or more instance IDs.
       @return Returns a reference to this object so that method calls can be chained together.
      
      */",
    "fluentSetterMethodName" : "withInstanceId",
    "getterDocumentation" : 
      "/**
       * One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.
       */
       
       @return One or more instance IDs.
       Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.
      
      */",
    "getterMethodName" : "getInstanceIds",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
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    "idempotencyToken" : false,
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    "listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "c2jName" : "member",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n   *@param member \n   *@return Returns a reference to this object so that
   *method calls can be chained together.*/",
  "fluentSetterMethodName" : "withMember",
  "getDocumentation" : "/**\n   *@return */",
  "getMethodName" : "getMember",
  "getModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceId",
    "uri" : false
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  "idempotencyToken" : false,
  "list" : false,
  "ListModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Member",
  "setterDocumentation" : "/**\n   *@param member */",
  "setterMethodName" : "setMember",
  "setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceIds",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceIds",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setInstanceIds",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"varargSetterDocumentation" : "/**<p>One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@param instanceIds One or more instance IDs.</p> <p>Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.</p>
@return Returns a reference to this object so that method calls can be chained together.*/", "variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceIds",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"memberLocationName" : "InstanceId",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "instanceIds",
"variableType" : "java.util.List<String>",
"documentation" : "One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.\n",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "InstanceIds" ],
"shapeName" : "TerminateInstancesRequest",
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "TerminateInstancesRequest",
  "variableName" : "terminateInstancesRequest",
  "variableType" : "TerminateInstancesRequest",
  "documentation" : null,
  "simpleType" : "TerminateInstancesRequest",
  "variableSetterType" : "TerminateInstancesRequest"
},
"wrapper" : false
},
"TerminateInstancesResult" : {
  "c2jName" : "TerminateInstancesResult",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "Contains the output of TerminateInstances.\n",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "TerminatingInstances",
    "c2jShape" : "InstanceStateChangeList",
    "deprecated" : false,
    "documentation" : "Information about one or more terminated instances.\n"}]
}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* Information about one or more terminated instances.\n*\n* @param terminatingInstances Information about one or more terminated instances.\n* @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withTerminatingInstances",
"getterDocumentation" : "/**\n* Information about one or more terminated instances.\n* @return Information about one or more terminated instances.*/",
"getterMethodName" : "getTerminatingInstances",
"getterModel" : {
"returnType" : "java.util.List<InstanceStateChange>",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceStateChange",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n* @return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceStateChange",
"documentation" : null
}
},
"http" : {
**Member**

```java
/**
 * @param member
 */
```

```java
public void setMember(InstanceStateChange member) {
    if (member == null) {
        throw new IllegalArgumentException("Member cannot be null");
    }

    // Implementation of the method goes here
}
```

```java
public InstanceStateChange getMember() {
    return member;
}
```

```

```

**Member**

```java
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
public Member withMember(InstanceStateChange member) {
    setMember(member);
    return this;
}
```

```

```

**Member**

```java
/**
 * @param member
 * @throws IllegalArgumentException
 */
```

```java
public void setMemberCollection(InstanceStateChangeCollection members) {
    if (members == null) {
        throw new IllegalArgumentException("MemberCollection cannot be null");
    }

    // Implementation of the method goes here
}
```

```

```

```java
/**
 * @param member
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

```java
public Member withMemberCollection(InstanceStateChangeCollection members) {
    setMemberCollection(members);
    return this;
}
```

```

```
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStateChange",
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"templateType" : "java.util.List<InstanceStateChange>"
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"map" : false,
"mapModel" : null,
"name" : "TerminatingInstances",
"setterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
@param terminatingInstances Information about one or more terminated instances.*/",
"setterMethodName" : "setTerminatingInstances",
"setterModel" : {
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  "variableName" : "terminatingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "",
  "simpleType" : "List<InstanceStateChange>",
  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [<link #setTerminatingInstances(java.util.Collection)>or</link> [<link #withTerminatingInstances(java.util.Collection)>if you want to override the existing values.</p>
@param terminatingInstances Information about one or more terminated instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "terminatingInstances",
  "variableType" : "java.util.List<InstanceStateChange>",
  "documentation" : "Information about one or more terminated instances.",
  "simpleType" : "List<InstanceStateChange>",
  "variableSetterType" : "java.util.Collection<InstanceStateChange>"
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"xmlNameSpaceUri" : null
} 
],
"membersAsMap" : {
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    "c2jShape" : "InstanceStateChangeList",
    "deprecated" : false,
    "documentation" : "Information about one or more terminated instances.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Information about one or more terminated instances.</p>
@param terminatingInstances Information about one or more terminated instances.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  }
}
"getterDocumentation": "/**<p>Information about one or more terminated instances.</p>
@return Information about one or more terminated instances.*/",
"getterMethodName": "getTerminatingInstances",
"getterModel": {
"returnType": "java.util.List<InstanceStateChange>",
"documentation": null
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "instancesSet",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
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"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "InstanceStateChange",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "@\n@return \n@&"/n",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "InstanceStateChange",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceStateChange",
  "variableName" : "member",
  "variableType" : "InstanceStateChange",
  "documentation" : "",
  "simpleType" : "InstanceStateChange",
  "variableSetterType" : "InstanceStateChange"
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"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "InstanceStateChange",
  "documentation" : "",
  "simpleType" : "InstanceStateChange",
  "variableSetterType" : "InstanceStateChange"
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"xmlNameSpaceUri" : null
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"memberType" : "InstanceStateChange",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceStateChange",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceStateChange>"
"templateType": "java.util.List<InstanceStateChange>",
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"mapModel": null,
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@param
terminatingInstances Information about one or more terminated instances.*/",
"setterMethodName": "setTerminatingInstances",
"setterModel": {
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"variableName": "terminatingInstances",
"variableType": "java.util.List<InstanceStateChange>",
"documentation": "",
"simpleType": "List<InstanceStateChange>",
"variableSetterType": "java.util.Collection<InstanceStateChange>"
},
"simple": false,
"varargSetterDocumentation": "/**\n<p>Information about one or more terminated instances.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setTerminatingInstances(java.util.Collection)} or { @link #withTerminatingInstances(java.util.Collection)} if you want to override the existing values.\n@param terminatingInstances Information about one or more terminated instances.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<InstanceStateChange>",
"variableName": "terminatingInstances",
"variableType": "java.util.List<InstanceStateChange>",
"documentation": "<p>Information about one or more terminated instances.</p>",
"simpleType": "List<InstanceStateChange>",
"variableSetterType": "java.util.Collection<InstanceStateChange>"
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"TrafficType" : {
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ {
    "name" : "ACCEPT",
    "value" : "ACCEPT"
  }, {
    "name" : "REJECT",
    "value" : "REJECT"
  }, {
    "name" : "ALL",
    "value" : "ALL"
  } ],
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
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  "marshaller" : null,
  "members" : null,
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  "required" : null,
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  },
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    "variableType" : "TrafficType",
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    "variableSetterType" : "TrafficType"
  },
  "wrapper" : false}
"UnassignIpv6AddressesRequest" : {
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  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @param networkInterfaceId The ID of the network interface.*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @return The ID of the network interface.*\n*",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
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      "documentation" : null
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
    }
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
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  "hasStreamingMember" : false,
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @param networkInterfaceId The ID of the network interface.*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @return The ID of the network interface.*\n*",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
    }
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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    "locationName" : null,
    "requestUri" : "/",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @param networkInterfaceId The ID of the network interface.*\n* @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n* @return The ID of the network interface.*\n*",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
    }
  },
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NetworkInterfaceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.</*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The
ID of the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
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  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jName" : "Ipv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses to unassign from the network
interface.</p>
@param ipv6Addresses The IPv6 addresses to unassign from the network interface.
@return Returns a reference to this object so that method calls can be chained
together.*/"
"fluentSetterMethodName": "withIpv6Addresses",
"getterDocumentation": "/**<p>The IPv6 addresses to unassign from the network interface.</p>
\n@returns The IPv6 addresses to unassign from the network interface.*/",
"getterMethodName": "getIpv6Addresses",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Ipv6Addresses",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ipv6Addresses",
"uri": false
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"idempotencyToken": false,
"list": true,
"listModel": {
"implType": "com.amazonaws.internal.SdkInternalList",
"interfaceType": "java.util.List",
"listMemberModel": {
"c2jName": "member",
"c2jShape": "String",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6Addresses",
"setterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.</p>
@<param
ipv6Addresses The IPv6 addresses to unassign from the network interface.

setterMethodName" : "setIpv6Addresses",
"setterModel" : {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
 "variableName" : "ipv6Addresses",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
 "simple" : false,
 "varargSetterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.</p>
\n\NOTE: This method appends the values to the existing list (if any). Use { @link 
#setIpv6Addresses(java.util.Collection) } or { @link #withIpv6Addresses(java.util.Collection) } if you want to
override the existing values.\n\n@<param ipv6Addresses The IPv6 addresses to unassign from the network interface.

getterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.</p>
\ngetterMethodName" : "getIpv6Addresses",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
 },
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Ipv6Addresses" : {
 "c2jName" : "Ipv6Addresses",
 "c2jShape" : "Ipv6AddressList",
 "deprecated" : false,
 "documentation" : "<p>The IPv6 addresses to unassign from the network interface.</p>
",
 "enumType" : null,
 "fluentSetterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network
interface.</p>
\n@<param ipv6Addresses The IPv6 addresses to unassign from the network interface.

setterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.

getterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.

getterMethodName" : "getIpv6Addresses",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
 "varargSetterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network
interface.</p>
\n\NOTE: This method appends the values to the existing list (if any). Use { @link 
#setIpv6Addresses(java.util.Collection) } or { @link #withIpv6Addresses(java.util.Collection) } if you want to
override the existing values.\n\n@<param ipv6Addresses The IPv6 addresses to unassign from the network interface.

getterDocumentation" : "/** <p>The IPv6 addresses to unassign from the network interface.</p>
\ngetterMethodName" : "getIpv6Addresses",
"getterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
"variableName" : "ipv6Addresses",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
 },
"xmlNameSpaceUri" : null
} ];
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocationName" : "Ipv6Addresses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallingLocationName" : "ipv6Addresses",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentsetterDocumentation" : "/ **\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentsetterMethodName" : "withMember",
    "getterDocumentation" : "/ **\n@return */",
    "getterMethodname" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallingLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallingLocationName" : "Item",
      "uri" : false
    }
  }
}
"name" : "Ipv6Addresses",
"setterDocumentation" : ""/**\n<p>The IPv6 addresses to unassign from the network interface.</p>\*/",
"setterMethodName" : "setIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "ipv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "simple" : false,
  "varargSetterDocumentation" : ""/**\n<p>The IPv6 addresses to unassign from the network interface.</p>

<NOTE>
This method appends the values to the existing list (if any). Use \@link #setIpv6Addresses(java.util.Collection)\ or \@link #withIpv6Addresses\ if you want to override the existing values.
</NOTE>

@param
ipv6Addresses The IPv6 addresses to unassign from the network interface.

\return Returns a reference to this object so that method calls can be chained together.
",
  "variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
    "variableName" : "ipv6Addresses",
    "variableType" : "java.util.List<String>",
    "documentation" : "The IPv6 addresses to unassign from the network interface.",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
    "xmlNameSpaceUri" : null
  },
  "NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The ID of the network interface.",
    "enumType" : null,
    "fluentSetterDocumentation" : ""/**\n<p>The ID of the network interface.</p>

\return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "withNetworkInterfaceId",
    "getterDocumentation" : ""/**\n<p>The ID of the network interface.</p>
\return The ID of the network interface.
",
    "getterMethodName" : "getNetworkInterfaceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "additionalRequestName" : null
    }
  }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.</p>*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.</p>
@return Returns a reference to this object so that method calls can be chained
together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "NetworkInterfaceId", "Ipv6Addresses" ],
"shapeName" : "UnassignIpv6AddressesRequest",}
null,
        "variable" : {
            "variableDeclarationType" : "UnassignIpv6AddressesRequest",
            "variableName" : "unassignIpv6AddressesRequest",
            "variableType" : "UnassignIpv6AddressesRequest",
            "documentation" : null,
            "simpleType" : "UnassignIpv6AddressesRequest",
            "variableSetterType" : "UnassignIpv6AddressesRequest"
        },
        "wrapper" : false
    },
    "UnassignIpv6AddressesResult" : {
        "c2jName" : "UnassignIpv6AddressesResult",
        "customization" : {
            "artificialResultWrapper" : null,
            "skipGeneratingMarshaller" : false,
            "skipGeneratingModelClass" : false,
            "skipGeneratingUnmarshaller" : false
        },
        "deprecated" : false,
        "documentation" : "",
        "enums" : null,
        "errorCode" : null,
        "hasHeaderMember" : false,
        "hasPayloadMember" : false,
        "hasStatusCodeMember" : false,
        "hasStreamingMember" : false,
        "marshaller" : null,
        "members" : [
            {
                "c2jName" : "NetworkInterfaceId",
                "c2jShape" : "String",
                "deprecated" : false,
                "documentation" : "<p>The ID of the network interface.</p>",
                "enumType" : null,
                "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
                "fluentSetterMethodName" : "withNetworkInterfaceId",
                "getterDocumentation" : "/**<p>The ID of the network interface.</p>\n@return The ID of the network interface.</getterMethodName" : "getNetworkInterfaceId",
                "getterModel" : {
                    "returnType" : "String",
                    "documentation" : null
                },
                "http" : {
                    "additionalMarshallingPath" : null,
                    "additionalUnmarshallingPath" : null,
                    "additionalResponseKeyOverride" : null,
                    "additionalResponseKeyOverrideForGroups" : null
                },
                "isUnmarshallable" : true,
                "operationsMember" : null,
                "pattern" : null,
                "patternModel" : null,
                "responseDataMember" : null,
                "responseMetadataMember" : null,
                "requestModel" : null,
                "responseUnmarshallerModel" : null,
                "responseModel" : null,
                "responseMarshallerModel" : null,
                "shapeName" : "NetworkInterfaceId",
                "shapeType" : "Marshalling/UnmarshallingInfo"
            }
        }
    }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of
the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "networkInterfaceId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the network interface.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "UnassignedIpv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/** <p>The IPv6 addresses that have been unassigned from the network interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withUnassignedIpv6Addresses",
"getterDocumentation" : "/** <p>The IPv6 addresses that have been unassigned from the network interface.</p>
@return The IPv6 addresses that have been unassigned from the network interface. */",
"getterMethodName" : "getUnassignedIpv6Addresses",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "UnassignedIpv6Addresses",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "unassignedIpv6Addresses",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/** <p>Member of the list.</p>
@param member
@return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/** <p>Member of the list.</p>
@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* @param member 
* @return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "String",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"name" : "UnassignedIpv6Addresses",
"setterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.*/",
"setterMethodName" : "setUnassignedIpv6Addresses",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "unassignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p><b>NOTE</b>: This method appends the values to the existing list (if any). Use {@link #setUnassignedIpv6Addresses(java.util.Collection)} or {@link #withUnassignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.<p>@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.<p>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "unassignedIpv6Addresses",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "NetworkInterfaceId" : {
    "c2jName" : "NetworkInterfaceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>@param networkInterfaceId The ID of the network interface.</p>@return Returns a reference to this object so that method calls can be chained together.*/",}
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@return The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "NetworkInterfaceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "networkInterfaceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "networkInterfaceId",
"variableType" : "String"}
"documentation" : "<p>The ID of the network interface.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UnassignedIpv6Addresses" : {
"c2jName" : "UnassignedIpv6Addresses",
"c2jShape" : "Ipv6AddressList",
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network interface.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withUnassignedIpv6Addresses",
"getterDocumentation" : "/**<p>The IPv6 addresses that have been unassigned from the network interface.</p>
@return The IPv6 addresses that have been unassigned from the network interface.*/",
"getterMethodName" : "getUnassignedIpv6Addresses",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "UnassignedIpv6Addresses",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "unassignedIpv6Addresses",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "",
"xmlNameSpaceUri" : null
}
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simple": true,
"variableSetterType": "String"
},
"simple": true,
"vargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String"}
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "String",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>
",
"map": false,
"mapModel": null,
"name": "UnassignedIpv6Addresses",
"setterDocumentation": "/**<p>The IPv6 addresses that have been unassigned from the network
interface.</p>
@param unassignedIpv6Addresses The IPv6 addresses that have been unassigned from the network
interface.*/",
"setterMethodName": "setUnassignedIpv6Addresses",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "unassignedIpv6Addresses",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
",
  "simple": false,
  "varargSetterDocumentation": "/**<p>The IPv6 addresses that have been unassigned from the network
interface.</p>
@NOTE:** This method appends the values to the existing list (if any). Use { @link #setUnassignedIpv6Addresses(java.util.Collection)} or { @link
#withUnassignedIpv6Addresses(java.util.Collection)} if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",
  "variableName": "unassignedIpv6Addresses",
  "variableType": "java.util.List<String>",
  "documentation": "<p>The IPv6 addresses that have been unassigned from the network
interface.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
"}
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "UnassignIpv6AddressesResult",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "UnassignIpv6AddressesResult",
    "variableName" : "unassignIpv6AddressesResult",
    "variableType" : "UnassignIpv6AddressesResult",
    "documentation" : null,
    "simpleType" : "UnassignIpv6AddressesResult",
    "variableSetterType" : "UnassignIpv6AddressesResult"
},
"wrapper" : false
},
"UnassignPrivateIpAddressesRequest" : {
    "c2jName" : "UnassignPrivateIpAddressesRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : {
        "action" : "UnassignPrivateIpAddresses",
        "locationName" : null,
        "requestUri" : "/",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "c2jName" : "NetworkInterfaceId",
            "c2jShape" : "String",
            "isRequired" : false
        }
    ]
}
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNetworkInterfaceId",
"getterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns The ID of the network interface.*/",
"getterMethodName" : "getNetworkInterfaceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "NetworkInterfaceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "networkInterfaceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "NetworkInterfaceId",
"setterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns The ID of the network interface.*/",
"setterMethodName" : "setNetworkInterfaceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@returns The ID of the network interface.*/"}
ID of the network interface.\n@returns a reference to this object so that method calls can be chained together.*/
,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "networkInterfaceId",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;The ID of the network interface.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "PrivateIpAddresses",
"c2jShape" : "PrivateIpAddressStringList",
"deprecated" : false,
"documentation" : "&lt;p&gt;The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**&lt;p&gt;The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.&lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPrivateIpAddresses",
"getterDocumentation" : "/**&lt;p&gt;The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.&lt;/p&gt;\n@returns The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.*/",
"getterMethodName" : "getPrivateIpAddresses",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PrivateIpAddress",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "privateIpAddress",
  "uri" : false
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"idempotencyToken": false,
"list": true,
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
    \n    @param member
    \n    @return Returns a reference to this object so that method calls can be chained together.*\n    */",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**
    \n    @return *
    */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "String",
      "documentation": null
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    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
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      "location": null,
      "marshallLocationName": "PrivateIpAddress",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "PrivateIpAddress",
      "uri": false
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    "idempotencyToken": false,
    "list": false,
    "listModel": null,
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    "mapModel": null,
    "name": "Member",
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      "variableName": "member",
      "variableType": "String",
      "documentation": ""
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},
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"setterDocumentation": "/**\n    @param member *
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"setterModel": {
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  "variableName": "member",
  "variableType": "String",
  "documentation": ""
}
The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.

**NOTE:** This method appends the values to the existing list (if any). Use {
}
#setPrivateIpAddresses(java.util.Collection) or @link #withPrivateIpAddresses(java.util.Collection) if you want to override the existing values.

@param privateIpAddresses The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.

@return Returns a reference to this object so that method calls can be chained together.*/*

  "variable" : {
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    "variableName" : "privateIpAddresses",
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    "documentation" : "<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
  },
  "xmlnsSpaceUri" : null
} ]

"membersAsMap" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the network interface.</p><p>@return The ID of the network interface.</p>*/
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    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
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      "statusCode" : false,
      "unmarshallLocationName" : "networkInterfaceId",
      "uri" : false
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"map" : false,
"mapModel" : null,
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"varargSetterDocumentation" : "/**<p>The ID of the network interface.</p>
@param networkInterfaceId The ID of the network interface.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the network interface.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "PrivateIpAddressStringList",
  "deprecated" : false,
  "documentation" : "<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
@param privateIpAddresses The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
  "fluentSetterMethodName" : "withPrivateIpAddresses",
  "getterDocumentation" : "/**<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>
@param privateIpAddresses The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.
@return Returns a reference to this object so that method calls can be chained together.*\*/",
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    "greedy": false,
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    "isStreaming": false,
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    "unmarshallLocationName": "privateIpAddress",
    "uri": false
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"list": true,
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    "interfaceType": "java.util.List",
    "listMemberModel": {
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        "c2jShape": "String",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterDocumentation": "/**\n* @param member \n* @return Returns a reference to this object so that method calls can be chained together.*\n*/",
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "/**\n* @return */",
        "getterMethodName": "getMember",
        "getterModel": {
            "returnType": "String",
            "documentation": null
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            "greedy": false,
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            "statusCode": false,
            "unmarshallLocationName": "privateIpAddress",
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    }
}
"location": null,
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"list": false,
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"setterMethodName": "setMember",
"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together. */",
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
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"marshallNonAutoConstructedEmptyLists": false,
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"simple": true,
"simpleType": "String",
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",
"templateType": "java.util.List<String>"}
The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address. You can specify this option multiple times to unassign more than one IP address.

```java
@unparam privateIpAddresses

This method appends the values to the existing list (if any). Use `@link #setPrivateIpAddresses(java.util.Collection)` or `@link #withPrivateIpAddresses(java.util.Collection)` if you want to override the existing values. The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address. Returns a reference to this object so that method calls can be chained together.
```

"UnassignPrivateIpAddressesResult" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
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    "flattened" : false,
    "resultWrapper" : null
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    "variableName" : "unassignPrivateIpAddressesResult",
    "variableType" : "UnassignPrivateIpAddressesResult",
    "documentation" : null,
    "simpleType" : "UnassignPrivateIpAddressesResult",
    "variableSetterType" : "UnassignPrivateIpAddressesResult"
  },
  "wrapper" : false
},
"UnmonitorInstancesRequest" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
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  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
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    "resultWrapper" : null
  },
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    "variableType" : "UnmonitorInstancesRequest",
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    "simpleType" : "UnmonitorInstancesRequest",
    "variableSetterType" : "UnmonitorInstancesRequest"
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  "wrapper" : false
}
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"documentation" : "<p>Contains the parameters for UnmonitorInstances.</p>",
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"locationName" : null,
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"target" : null,
"verb" : "POST",
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"c2jShape" : "InstanceIdStringList",
"deprecated" : false,
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"enumType" : null,
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@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceIds",
"getterDocumentation" : "/** <p>One or more instance IDs.</p>
@return One or more instance IDs.*/",
"getterMethodName" : "getInstanceIds",
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"returnType" : "java.util.List<String>",
"documentation" : null
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"http" : {
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"greedy" : false,
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"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "header" : false,
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      "isStreaming" : false,
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      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "InstanceId",
      "uri" : false
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    "listModel" : null,
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    "mapModel" : null,
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      "variableName" : "member",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    }
  }
}
"simple" : true,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "InstanceIds",
"setterDocumentation" : "/**<p>One or more instance IDs.</p>*/
@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "instanceIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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@param instanceIds One or more instance IDs.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": "<p>One or more instance IDs.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
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}],
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    "enumType": null,
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    "fluentSetterMethodName": "withInstanceIds",
    "getterDocumentation": "/**<p>One or more instance IDs.</p>@returns One or more instance IDs.*/",
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      "documentation": null
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  },
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    "greedy": false,
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    "isStreaming": false,
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    "queryString": false,
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    "unmarshallLocationName": "InstanceId",
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    "interfaceType": "java.util.List",
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        "isStreaming": false,
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      "list": true,
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          "c2jShape": "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceId",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "member",
"variableType" : "String",
"variableSetterType" : "String"}
"documentation": "",  
"simpleType": "String",  
"variableSetterType": "String" 
],  
"xmlNameSpaceUri": null  
},  
"memberLocationName": "InstanceId",  
"memberType": "String",  
"map": false,  
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"memberAdditionalMarshallingPath": null,  
"memberAdditionalUnmarshallingPath": null,  
"sendEmptyQueryString": false,  
"simple": true,  
"simpleType": "String",  
"templateImplType": "com.amazonaws.internal.SdkInternalList<String>",  
"templateType": "java.util.List<String>"  
},  
"map": false,  
"mapModel": null,  
"name": "InstanceIds",  
"setterDocumentation": "/**<p>One or more instance IDs.</p>
@param instanceIds One or more instance IDs. */",  
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"setterModel": {  
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"variableName": "instanceIds",  
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"documentation": "",  
"simpleType": "List<String>",  
"variableSetterType": "java.util.Collection<String>" 
},  
"simple": false,  
"varargSetterDocumentation": "/**<p>One or more instance IDs.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setInstanceIds(java.util.Collection)} or {@link #withInstanceIds(java.util.Collection)} if you want to override the existing values.</p>
@param instanceIds One or more instance IDs.\n@return Returns a reference to this object so that method calls can be chained together. */",  
"variable": {  
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<String>",  
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"documentation": "<p>One or more instance IDs.</p>",  
"simpleType": "List<String>",  
"variableSetterType": "java.util.Collection<String>" 
},  
"xmlNameSpaceUri": null  
}]}
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "InstanceIds" ],
"shapeName": "UnmonitorInstancesRequest",
"unmarshaller": null,
"variable": {
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  "variableName": "unmonitorInstancesRequest",
  "variableType": "UnmonitorInstancesRequest",
  "documentation": null,
  "simpleType": "UnmonitorInstancesRequest",
  "variableSetterType": "UnmonitorInstancesRequest"
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"wrapper": false
},
"UnmonitorInstancesResult": {
  "c2jName": "UnmonitorInstancesResult",
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Contains the output of UnmonitorInstances.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
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  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": {
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    "deprecated": false,
    "documentation": "<p>The monitoring information.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The monitoring information.</p>*/

    "getterMethodName": "getInstanceMonitorings",
    "getterModel": {
      "returnType": "java.util.List<InstanceMonitoring>",
      "documentation": null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "InstancesSet",
  "queryString": false,
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  "unmarshallLocationName": "instancesSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "InstanceMonitoring",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "\n\n@param member
@return Returns a reference to this object so that method calls can be chained together.*",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "InstanceMonitoring",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
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      "queryString": false,
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      "unmarshallLocationName": "item",
      "uri": false
    },
    "idempotencyToken": false,
    "list": true,
    "listModel": {
      "implType": "com.amazonaws.internal.SdkInternalList",
      "interfaceType": "java.util.List",
      "listMemberModel": {
        "c2jName": "member",
        "c2jShape": "InstanceMonitoring",
        "deprecated": false,
        "documentation": "",
        "enumType": null,
        "fluentSetterMethodName": "withMember",
        "getterDocumentation": "\n\n@param member
@return Returns a reference to this object so that method calls can be chained together.*",
        "getterMethodName": "getMember",
        "getterModel": {
          "returnType": "InstanceMonitoring",
          "documentation": null
        },
        "http": {
          "additionalMarshallingPath": null,
          "additionalUnmarshallingPath": null,
          "flattened": false,
          "greedy": false,
          "header": false,
          "isPayload": false,
          "isStreaming": false,
          "location": null,
          "marshallLocationName": "Item",
          "queryString": false,
          "statusCode": false,
          "unmarshallLocationName": "item",
          "uri": false
        }
      }
    }
  }
}
}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "InstanceMonitoring",
  "variableName" : "member",
  "variableType" : "InstanceMonitoring",
  "documentation" : "",
  "simpleType" : "InstanceMonitoring",
  "variableSetterType" : "InstanceMonitoring"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "InstanceMonitoring",
  "variableName" : "member",
  "variableType" : "InstanceMonitoring",
  "documentation" : "",
  "simpleType" : "InstanceMonitoring",
  "variableSetterType" : "InstanceMonitoring"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "InstanceMonitoring",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "InstanceMonitoring",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
"templateType" : "java.util.List<InstanceMonitoring>"
},
"map" : false,
"mapModel" : null,
"name" : "InstanceMonitorings",
"setterDocumentation" : "/**<p>The monitoring information.</p>
@param instanceMonitorings The monitoring information.*/"
"setterMethodName" : "setInstanceMonitorings",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
  "variableName" : "instanceMonitorings",
  "variableType" : "java.util.List<InstanceMonitoring>",
  "documentation" : "",
  "simpleType" : "List<InstanceMonitoring>",
  "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The monitoring information.</p>
 <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setInstanceMonitorings(java.util.Collection)] or [@link #withInstanceMonitorings(java.util.Collection)] if you want to override the existing values.</p>
 <p>@param instanceMonitorings The monitoring information.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
  "variableName" : "instanceMonitorings",
  "variableType" : "java.util.List<InstanceMonitoring>",
  "documentation" : "<p>The monitoring information.</p>",
  "simpleType" : "List<InstanceMonitoring>",
  "variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "InstanceMonitorings" : {
    "c2jName" : "InstanceMonitorings",
    "c2jShape" : "InstanceMonitoringList",
    "deprecated" : false,
    "documentation" : "<p>The monitoring information.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The monitoring information.\n@param instanceMonitorings The monitoring information.\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withInstanceMonitorings",
    "getterDocumentation" : "/**<p>The monitoring information.</p>\n@return The monitoring information.*/",
    "getterMethodName" : "getInstanceMonitorings",
    "getterModel" : {
      "returnType" : "java.util.List<InstanceMonitoring>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "xmlNameSpaceUri" : null
    }
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "InstancesSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instancesSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "InstanceMonitoring",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "InstanceMonitoring",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"simpleType" : "List<InstanceMonitoring>",
"variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>The monitoring information.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use \{ @link #setInstanceMonitorings(java.util.Collection)\} or \{ @link #withInstanceMonitorings(java.util.Collection)\} if you want to override the existing values.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<InstanceMonitoring>",
"variableName" : "instanceMonitorings",
"variableType" : "java.util.List<InstanceMonitoring>",
"documentation" : "The monitoring information.",
"simpleType" : "List<InstanceMonitoring>",
"variableSetterType" : "java.util.Collection<InstanceMonitoring>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UnmonitorInstancesResult",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "UnmonitorInstancesResult",
"variableName" : "unmonitorInstancesResult",
"variableType" : "UnmonitorInstancesResult",
"documentation" : null,
"simpleType" : "UnmonitorInstancesResult",
"variableSetterType" : "UnmonitorInstancesResult"
},
"wrapper" : false
},
"UnsuccessfulItem" : {
"c2jName" : "UnsuccessfulItem",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Information about items that were not successfully processed in a batch call.</p>"
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "ResourceId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the resource.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the resource.</p><p>@param resourceId The ID of the resource</p>.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withResourceId",
    "getterDocumentation" : "/**<p>The ID of the resource.</p><p>@return The ID of the resource.</p>*/",
    "getterMethodName" : "getResourceId",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ResourceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "resourceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "ResourceId",
  "setterDocumentation" : "/**<p>The ID of the resource.</p><p>@param resourceId The ID of the resource</p>.<p>@return The ID of the resource</p>*/",
  "setterMethodName" : "setResourceId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "resourceId"
  }
]
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the resource.</p>
@param resourceId The ID of the resource.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "resourceId",
"variableType" : "String",
"documentation" : "<p>The ID of the resource.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Error",
"c2jShape" : "UnsuccessfulItemError",
"deprecated" : false,
"documentation" : "<p>Information about the error.</p>
@param error Information about the error.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withError",
"getterDocumentation" : "<p>Information about the error.</p>
@return Information about the error.*/",
"getterMethodName" : "getError",
"getterModel" : {
"returnType" : "UnsuccessfulItemError",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Error",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "error",
"uri" : false
},
"idempotencyToken" : false,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Error",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "error",
"uri": false
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Error",
"setterDocumentation": "/**\n* Information about the error.\n*/\n@param error Information about the error.*/",
"setterMethodName": "setError",
"setterModel": {
  "variableDeclarationType": "UnsuccessfulItemError",
  "variableName": "error",
  "variableType": "UnsuccessfulItemError",
  "documentation": "",
  "simpleType": "UnsuccessfulItemError",
  "variableSetterType": "UnsuccessfulItemError"
},
"simple": false,
"varargSetterDocumentation": "/**\n* Information about the error.\n*/\n@param error Information about the error.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "UnsuccessfulItemError",
  "variableName": "error",
  "variableType": "UnsuccessfulItemError",
  "documentation": "<p>Information about the error.</p>",
  "simpleType": "UnsuccessfulItemError",
  "variableSetterType": "UnsuccessfulItemError"
},
"xmlNameSpaceUri": null
],
"ResourceId": {
  "c2jName": "ResourceId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the resource.</p>",
  "enumType": null,
"fluentSetterDocumentation" : "/**\n<p>The ID of the resource.</p>\n@param resourceId The ID of the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withResourceId",
"getterDocumentation" : "/**\n<p>The ID of the resource.</p>\n@return The ID of the resource.*/",
"getterMethodName" : "getResourceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "ResourceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "resourceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ResourceId",
"setterDocumentation" : "/**\n<p>The ID of the resource.</p>\n@param resourceId The ID of the resource.*/",
"setterMethodName" : "setResourceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The ID of the resource.</p>\n@param resourceId The ID of the resource.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "resourceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the resource.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Error" ],
"shapeName" : "UnsuccessfulItem",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UnsuccessfulItem",
  "variableName" : "unsuccessfulItem",
  "variableType" : "UnsuccessfulItem",
  "documentation" : null,
  "simpleType" : "UnsuccessfulItem",
  "variableSetterType" : "UnsuccessfulItem"
},
"wrapper" : false
},
"UnsuccessfulItemError" : {
  "c2jName" : "UnsuccessfulItemError",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Information about the error that occurred. For more information about errors, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/errors-overview.html">Error Codes</a>.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [ {
    "c2jName" : "Code",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The error code.",
    "enumType" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"  
}  ]
}}
"fluentSetterDocumentation": "/**\n@returns The error code.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCode",
"getterDocumentation": "/**\n@returns The error code.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName": "getCode",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Code",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "code",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Code",
"setterDocumentation": "/**\n@returns The error code.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n@returns The error code.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "code",
  "variableType": "String",
  "documentation": ":\n<p>The error code.</p>"
The error message accompanying the error code.

@returns Returns a reference to this object so that method calls can be chained together.

/**
 * The error message accompanying the error code.
 * @param message
 * The error message accompanying the error code.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

getterMethodName : "getMessage",
getterModel : {
  returnType : "String",
documentation : null
},
http : {
  additionalMarshallingPath : null,
  additionalUnmarshallingPath : null,
  flattened : false,
  greedy : false,
  header : false,
  isPayload : false,
  isStreaming : false,
  location : null,
  marshallLocationName : "Message",
  queryString : false,
  statusCode : false,
  unmarshallLocationName : "message",
  uri : false
},
idempotencyToken : false,
list : false,
listModel : null,
map : false,
mapModel : null,
name : "Message",
setterDocumentation : "/*\n * The error message accompanying the error code.
 * @param message
 * The error message accompanying the error code.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

setterMethodName : "setMessage",
setterModel : {
  variableDeclarationType : "String",
  variableName : "message",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The error message accompanying the error code.</p>\n@param message The error message accompanying the error code.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "message",
"variableType": "String",
"documentation": "<p>The error message accompanying the error code.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"Code": {
"c2jName": "Code",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The error code.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**\n<p>The error code.</p>\n@param code The error code.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCode",
"getterDocumentation": "/**\n<p>The error code.</p>\n@return The error code.*/",
"getterMethodName": "getCode",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Code",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "code"}
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**\n*pThe error code.\n*\n@param code The error code.*/",
"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n*pThe error code.\n*\n@param code The error code.\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The error code.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The error message accompanying the error code.</p>",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Message" : {
  "c2jName" : "Message",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The error message accompanying the error code.</p>",
  "complexType" : "String",
  "variableSetterType" : "String"
}
"http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
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  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocationName" : "Message",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "message",  
  "uri" : false 
},  
"idempotencyToken" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"name" : "Message",  
"setterDocumentation" : "/**<p>The error message accompanying the error code.</p>
@param message The error message accompanying the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"setterMethodName" : "setMessage",  
"setterModel" : {  
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  "documentation" : "",
  "simpleType" : "String",  
  "variableSetterType" : "String"
},  
"simple" : true,  
"varargSetterDocumentation" : "/**<p>The error message accompanying the error code.</p>
@param message The error message accompanying the error code.
@return Returns a reference to this object so that method calls can be chained together.*/",  
"variable" : {  
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  "variableType" : "String",  
  "documentation" : "<p>The error message accompanying the error code.</p>",  
  "simpleType" : "String",  
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "unsuccessfulItemError",
  "variableType" : "UnsuccessfulItemError",
  "documentation" : null,
  "simpleType" : "UnsuccessfulItemError",
  "variableSetterType" : "UnsuccessfulItemError"
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"wrapper" : false
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "<p>Describes the S3 bucket for the disk image.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
  "c2jName" : "S3Bucket",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The name of the S3 bucket where the disk image is located.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The name of the S3 bucket where the disk image is located.\n@\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3Bucket",
  "getterDocumentation" : "/**<p>The name of the S3 bucket where the disk image is located.</p>\n@\n@return The name of the S3 bucket where the disk image is located.*/",
  "getMethodName" : "getS3Bucket",
  "getModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "marshallLocationName" : "S3Bucket",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "S3Bucket",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",
"setterDocumentation" : "/**<p>The name of the S3 bucket where the disk image is located.</p>
@param s3Bucket The name of the S3 bucket where the disk image is located.</param>
@return Returns a reference to this object so that method calls can be chained together.*/

s3Bucket The name of the S3 bucket where the disk image is located.

"setterMethodName" : "setS3Bucket",
"setterModel" : {
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  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the S3 bucket where the disk image is located.</p>
@param s3Bucket The name of the S3 bucket where the disk image is located.*/

@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : ":<p>The name of the S3 bucket where the disk image is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The file name of the disk image.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The file name of the disk image.</p>
@param s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Key",
"getterDocumentation" : "/**<p>The file name of the disk image.</p>
@return The file name of the disk image.*/",
"getterMethodName" : "getS3Key",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "S3Key",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Key",
"setterDocumentation" : "/**<p>The file name of the disk image.</p>
@param s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setS3Key",
"setterModel" : {
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  "variableName" : "s3Key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple": true,
"varargSetterDocumentation": "/**
<p>The file name of the disk image.</p>
@param s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableDeclarationType": "String",
"variableName": "s3Key",
"variableType": "String",
"documentation": "<p>The file name of the disk image.</p>",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"membersAsMap": {
"S3Bucket": {
"c2jName": "S3Bucket",
"c2jShape": "String",
"deprecated": false,
"documentation": "<p>The name of the S3 bucket where the disk image is located.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**
<p>The name of the S3 bucket where the disk image is located.</p>
@param s3Bucket The name of the S3 bucket where the disk image is located.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName": "withS3Bucket",
"getterDocumentation": "/**
<p>The name of the S3 bucket where the disk image is located.</p>
@return The name of the S3 bucket where the disk image is located. */",
"getterMethodName": "getS3Bucket",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
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"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "S3Bucket",
"uri": false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",
"setterDocumentation" : "/**\n\* The name of the S3 bucket where the disk image is located.\n*/\n@param s3Bucket The name of the S3 bucket where the disk image is located.*/",
"setterMethodName" : "setS3Bucket",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n\* The name of the S3 bucket where the disk image is located.\n\* @param s3Bucket The name of the S3 bucket where the disk image is located.\n\* @return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The name of the S3 bucket where the disk image is located.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The file name of the disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n\* The file name of the disk image.\n\* @param s3Key The file name of the disk image.\n\* @return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withS3Key",
  "getterDocumentation" : "/**\n\* The file name of the disk image.\n\* @return The file name of the disk image.*/",
  "getterMethodName" : "getS3Key",
  "getterModel" : {
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    "documentation" : null
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  "http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"status Code" : false,
"unmarshallLocationName" : "S3Key",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Key",
"setterDocumentation" : "/**\n@param s3Key The file name of the disk image.*/",
"setterMethodName" : "setS3Key",
"setterModel" : {
"simple" : true,
"xmlNameSpaceUri" : null
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"varargSetterDocumentation" : "/**<p>The file name of the disk image.\n@param s3Key The file name of the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"xmlNameSpaceUri" : null
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UserBucket",
"unmarshaller" : {
"flattened": false,
"resultWrapper": null
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  "variableName": "userBucket",
  "variableType": "UserBucket",
  "documentation": null,
  "simpleType": "UserBucket",
  "variableSetterType": "UserBucket"
},
"wrapper": false
},
"UserBucketDetails": {
  "c2jName": "UserBucketDetails",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false
  },
  "deprecated": false,
  "documentation": "<p>Describes the S3 bucket for the disk image.</p>",
  "enums": null,
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": [
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      "c2jName": "S3Bucket",
      "c2jShape": "String",
      "deprecated": false,
      "documentation": "<p>The S3 bucket from which the disk image was created.</p>",
      "enumType": null,
      "fluentSetterDocumentation": "/**<p>The S3 bucket from which the disk image was created.</p>
\@param s3Bucket The S3 bucket from which the disk image was created.\n\@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName": "withS3Bucket",
      "getterDocumentation": "/**<p>The S3 bucket from which the disk image was created.</p>
\@return The S3 bucket from which the disk image was created.*/",
      "getterMethodName": "getS3Bucket",
      "getterModel": {
        "returnType": "String",
        "documentation": null
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      "http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Bucket",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",
"setterDocumentation" : "/**<p>The S3 bucket from which the disk image was created.</p>
@param
s3Bucket The S3 bucket from which the disk image was created.*"/
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"setterMethodName" : "setS3Bucket",
"setterModel" : {
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  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The S3 bucket from which the disk image was created.</p>
@param
s3Bucket The S3 bucket from which the disk image was created.
@return Returns a reference to this object so that method calls can be chained together.*"/
",
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  "variableName" : "s3Bucket",
  "variableType" : "String",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The file name of the disk image.</p>
@param s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Key",
"getterDocumentation" : "/**<p>The file name of the disk image.</p>
@return The file name of the disk image.*/",
"getterMethodName" : "getS3Key",
"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "s3Key",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "",
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  "variableSetterType" : "String"
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@param s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "String",
"variableName" : "s3Key",
"variableType" : "String",
"documentation" : "<p>The file name of the disk image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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}],
"membersAsMap" : {
"S3Bucket" : {
"c2jName" : "S3Bucket",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The S3 bucket from which the disk image was created.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The S3 bucket from which the disk image was created.</p>
@param
s3Bucket The S3 bucket from which the disk image was created.</n>@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withS3Bucket",
"getterDocumentation" : "/**<p>The S3 bucket from which the disk image was created.</p>
@return The S3 bucket from which the disk image was created.</n>"",
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"getterModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "s3Bucket",
"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Bucket",


"setterDocumentation" : "/**\n<p>The S3 bucket from which the disk image was created.</p>
@param
s3Bucket The S3 bucket from which the disk image was created.*\n*/",
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"setterModel" : {
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  "variableName" : "s3Bucket",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The S3 bucket from which the disk image was created.</p>
@param
s3Bucket The S3 bucket from which the disk image was created.
@return Returns a reference to this object so that
method calls can be chained together.*\n*/",
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  "variableType" : "String",
  "documentation" : "<p>The S3 bucket from which the disk image was created.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"S3Key" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The file name of the disk image.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>The file name of the disk image.</p>
@param
s3Key The file name of the disk image.
@return Returns a reference to this object so that method calls can be chained together.*\n*/",
  "fluentSetterMethodName" : "withS3Key",
  "getterDocumentation" : "/**\n<p>The file name of the disk image.</p>
@return The file name of the disk image.*\n*/",
  "getterMethodName" : "getS3Key",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
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  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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"queryString" : false,
"statusCode" : false,
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"uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "S3Key",
"setterDocumentation" : "/**\n<p>The file name of the disk image.</p>\n@param s3Key The file name of the disk image.*/",
"setterMethodName" : "setS3Key",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "s3Key",
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"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The file name of the disk image.</p>\n@param s3Key The file name of the disk image.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName" : "s3Key",
"variableType" : "String",
"documentation" : "<p>The file name of the disk image.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UserBucketDetails",
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType": "UserBucketDetails",
"variableName": "userBucketDetails",
"variableType": "UserBucketDetails",
"documentation": null,
"simpleType": "UserBucketDetails",
"variableSetterType": "UserBucketDetails"
},
"wrapper": false
},
"UserData": {
"c2jName": "UserData",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes the user data for an instance.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "Data",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>*/
@<param data>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</param>
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withData",
    "getterDocumentation": "/**<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p>*/
@return The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
@return The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*"/
,  "getterMethodName": "getData",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
]
"http": {
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Data",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "data",
  "uri": false
},
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Data",
  "setterDocumentation": "/*\n<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@\n@param data The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.*/\n
	setterMethodname": "setData",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "data",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
  },
  "simple": true,
  "varargSetterDocumentation": "/*\n<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n\n@\n@param data The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.\n\n@return Returns a reference to this object so that method calls can be chained together.*/\n
	variable": {
    "variableDeclarationType": "String",
    "variableName": "data",
    "variableType": "String",
    "documentation": "<p>The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."",
    "simpleType": "String",
    "variableSetterType": "String"
encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
@JsonProperty("data")
public String getData() {
    return data;
}
```

If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public void setData(String data) {
    this.data = data;
}
```

The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public void setUserData(UserData userData) {
    this.userData = userData;
}
```

Returns a reference to this object so that method calls can be chained together. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```java
public UserData getUserData() {
    return userData;
}
```
"UserIdGroupPair": {  
"c2jName": "UserIdGroupPair",  
"customization": {  
"artificialResultWrapper": null,  
"skipGeneratingMarshaller": false,  
"skipGeneratingModelClass": false,  
"skipGeneratingUnmarshaller": false  
},  
"deprecated": false,  
"documentation": "<p>Describes a security group and AWS account ID pair.</p>",  
"enums": null,  
"errorCode": null,  
"hasHeaderMember": false,  
"hasPayloadMember": false,  
"hasStatusCodeMember": false,  
"hasStreamingMember": false,  
"marshaller": null,  
"members": [  
{  
"c2jName": "UserId",  
"c2jShape": "String",  
"deprecated": false,  
"documentation": "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.  
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>";  
"enumType": null,  
"fluentSetterDocumentation": "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.  
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.  
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.
@return Returns a reference to this object so that method calls can be chained together.*///",  
"fluentSetterMethodName": "withUserId",  
"getterDocumentation": "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.  
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
@return The ID of an AWS account.
[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.
*/",  
"getterMethodName": "getUserId",  
"getterModel": {  
"returnType": "String",  
"documentation": null  
},  
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "UserId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "userId",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "UserId",
"setterDocumentation": "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. </p><p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. </p>@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p><p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. */",
"setterMethodName": "setUserId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "userId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. </p><p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account. </p>@param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p><p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "userId",
  "variableType": "String",
  "documentation": "The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.\n",
  "simpleType": "String",
  "variableSetterType": "String"
},
The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.

### Setter Documentation

```java
/**
* The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
* @param groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
* @return Returns a reference to this object so that method calls can be chained together.
*/

public GroupName withGroupName(String groupName) {
    this.groupName = groupName;
    return this;
}
```

### Getter Documentation

```java
/**
* The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
* @return The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
*/

public String getGroupName() {
    return groupName;
}
```
"setterMethodName" : "setGroupName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
@param groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupName",
  "variableType" : "String",
  "documentation" : "<p>The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"c2jName" : "GroupId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withGroupId",
"getterDocumentation" : "/**<p>The ID of the security group.</p>
@return The ID of the security group.</p>",
"getterMethodName" : "getGroupId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
}
"location" : null,
"marshallLocationName" : "GroupId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "groupId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "GroupId",
"setterDocumentation" : "/**\n* The ID of the security group.
* @param groupId The ID of the security group.
*/",
"setterMethodName" : "setGroupId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The ID of the security group.
* @param groupId The ID of the security group.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "groupId",
  "variableType" : "String",
  "documentation" : "The ID of the security group.
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the VPC for the referenced security group, if applicable.
",
"enumType" : null,
"fluentsetterDocumentation" : "/**\n* The ID of the VPC for the referenced security group, if applicable.
* @param vpcId The ID of the VPC for the referenced security group, if applicable.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentsetMethodName" : "withVpcId",
"getterDocumentation" : "/**\n* The ID of the VPC for the referenced security group, if applicable.
* @return The ID of the VPC for the referenced security group, if applicable.
*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "addAdditionalMarshallingPath" : null,
  "addAdditionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpcId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpcId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>
@param vpcId The ID of the VPC for the referenced security group, if applicable.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC for the referenced security group, if applicable.</p>
@<p>vpcId The ID of the VPC for the referenced security group, if applicable.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC for the referenced security group, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"c2jName" : "VpcPeeringConnectionId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the VPC peering connection, if applicable.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcPeeringConnectionId",
"getterDocumentation" : "/*<p>The ID of the VPC peering connection, if applicable.</p>
@return The ID of the VPC peering connection, if applicable.*/",
"getterMethodName" : "getVpcPeeringConnectionId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/*<p>The ID of the VPC peering connection, if applicable.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.
*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection, if applicable.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection, if applicable.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "PeeringStatus",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The status of a VPC peering connection, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPeeringStatus",
"getterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@return The status of a VPC peering connection, if applicable.*/",
"getterMethodName" : "getPeeringStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PeeringStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "peeringStatus",
"uri" : false
},
"xmlNameSpaceUri" : null
}
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "PeeringStatus",
"setterDocumentation": "/**<p>The status of a VPC peering connection, if applicable.*/
@param peeringStatus The status of a VPC peering connection, if applicable.*/",
"setterMethodName": "setPeeringStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "peeringStatus",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
  "simple": true,
"varargSetterDocumentation": "/**<p>The status of a VPC peering connection, if applicable.</p>
@param peeringStatus The status of a VPC peering connection, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "peeringStatus",
  "variableType": "String",
  "documentation": "<p>The status of a VPC peering connection, if applicable.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
,"membersAsMap": {
  "GroupId": {
    "c2jName": "GroupId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the security group.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the security group.</p>
@param groupId The ID of the security group.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withGroupId",
    "getterDocumentation": "/**<p>The ID of the security group.</p>
@return The ID of the security group.*/",
    "getterMethodName": "getGroupId",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "name": "GroupId",
      "c2jName": "GroupId",
      "c2jShape": "String",
      "documentation": "",
      "getterName": "getGroupId",
      "getterModel": null
    },
  }
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "GroupId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "groupId",
"uri": false,

"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "GroupId",
"setterDocumentation": "/**
*pThe ID of the security group.*n/\n@param groupId The ID of the security group.*n*/",
"setterMethodName": "setGroupId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "groupId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**pThe ID of the security group.n/\n@param groupId The ID of the security group.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "groupId",
  "variableType": "String",
  "documentation": "The ID of the security group.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"GroupName": {
  "c2jName": "GroupName",
  "c2jShape": "String",
  "deprecated": false,
The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID. */

// Set the name of the security group
withGroupName

// Get the name of the security group
getGroupName

// Additional information

http

idempotencyToken

list

map

name

setterDocumentation

setterMethodName

setterModel

variableDeclarationType

variableName

variableType
The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.

```java
@parameter
groupName The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.
@return Returns a reference to this object so that method calls can be chained together.
```
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "peeringStatus",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeeringStatus",
"setterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param
peeringStatus The status of a VPC peering connection, if applicable.*/",
"setterMethodName" : "setPeeringStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "peeringStatus",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of a VPC peering connection, if applicable.</p>
@param
peeringStatus The status of a VPC peering connection, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "peeringStatus",
  "variableType" : "String",
  "documentation" : 
    "<p>The status of a VPC peering connection, if applicable.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserId" : {
  "c2jName" : "UserId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : 
    "<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p>  "<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p>  "<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterDocumentation" : "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p>  "<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setUserId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "UserId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.</p>  "<p>[EC2-Classic] Required when adding or removing rules that reference a security group in another AWS account.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "UserId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
returned.

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.FIELD)
public @interface UserId {
    /**
     * The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     *
     * @return The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     */
    String value();
}
```

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.FIELD)
public @interface UserId {
    /**
     * The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     *
     * @return Returns a reference to this object so that method calls can be chained together.
     */
    @Target(ElementType.METHOD)
    @Retention(RetentionPolicy.RUNTIME)
    @Documentation
    public @interface FluentSetterMethod {
        String value();
    }

    /**
     * The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     *
     * @param userId The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     */
    @Target(ElementType.METHOD)
    @Retention(RetentionPolicy.RUNTIME)
    @Documentation
    public @interface FluentGetterMethod {
        String value();
    }
```

```java
@Retention(RetentionPolicy.RUNTIME)
@Target(ElementType.FIELD)
public @interface UserId {
    /**
     * The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     *
     * @return The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned.
     */
    String value();
}
```
"variableSetterType" : "String",
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@param vpcId The ID of the VPC for the referenced security group, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  @param vpcId The ID of the VPC for the referenced security group, if applicable.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
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  @return The ID of the VPC for the referenced security group, if applicable.
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  @return Returns a reference to this object so that method calls can be chained together.
  
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  @return The ID of the VPC peering connection, if applicable.
  */"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param lastStatusChange The date and time of the last change in status.
@return Returns a reference to this object so that method calls can be chained together.\n@see lastStatusChange*/",
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@return The date and time of the last change in status.\n@see lastStatusChange*/",
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The date and time of the last change in status.

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If an error occurs, a description of the error.

```

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| greedy | false |
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| setterDocumentation | /*If an error occurs, a description of the error.*/

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| variableName | statusMessage, |
| variableType | String, |
| documentation | "" |
| simpleType | String |
| variableSetterType | String |

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@param lastStatusChange The date and time of the last change in status.\n@return Returns a reference to this object so that method calls can be chained together. */",
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"enumType" : null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType" : "TelemetryStatus",
  "fluentSetterDocumentation" : "/**<p>The status of the VPN tunnel.</p>
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@return Returns a reference to this object so that method calls can be chained together.
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@return The status of the VPN tunnel.
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  "enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.
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      "value" : "paravirtual"
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"enumType" : null,
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@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
"getterMethodName" : "getVolumeId",
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  "variableName" : "volumeId",
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"getterDocumentation" : "/**<p>The size of the volume, in GiBs.</p>
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@returns Returns a reference to this object so that method calls can be chained together.*"",
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@returns Returns a reference to this object so that method calls can be chained together.*"",
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@param snapshotId The snapshot from which the volume was created, if applicable.</param>
@return
The snapshot from which the volume was created, if applicable.</p>*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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The Availability Zone for the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>The Availability Zone for the volume.</p>
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"isTypeOfTypeUserDefinedServiceResponsePayload" : false,
"isTypeOfTypeUserDefinedServiceResponseType" : false,
"isTypeOfTypeUserDefinedServiceResponseTypePayload" : false,
"isTypeOfTypeUserDefinedServiceResponseTypeType" : false,
"isTypeOfTypeUserDefinedServiceRequest" : false,
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : /*<p>The Availability Zone for the volume.</p>
@param availabilityZone The Availability Zone for the volume.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : /*<p>The Availability Zone for the volume.</p>
@param availabilityZone The Availability Zone for the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "State",
"c2jShape" : "VolumeState",
"deprecated" : false,
"documentation" : "<p>The volume state.</p>",
"enumType" : "VolumeState",
"fluentSetterDocumentation" : /*<p>The volume state.</p>
@param state The volume state.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : /*<p>The volume state.</p>
@return The volume state.
@see VolumeState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false,
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The volume state.</p>
@param state The volume state.
@see VolumeState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume state.</p>
@param state The volume state.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The volume state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "The time stamp when volume creation was initiated.",
}
"enumType": null,
"fluentSetterDocumentation": "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withCreateTime",
"getterDocumentation": "/**<p>The time stamp when volume creation was initiated.</p>
@return The time stamp when volume creation was initiated.*/",
"getterMethodName": "getCreateTime",
"getterModel": {
"returnType": "java.util.Date",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "CreateTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "createTime",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "CreateTime",
"setterDocumentation": "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setCreateTime",
"setterModel": {
"variableDeclarationType": "java.util.Date",
"variableName": "createTime",
"variableType": "java.util.Date",
"documentation": "",
"simpleType": "Date",
"variableSetterType": "java.util.Date"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/"
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "createTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time stamp when volume creation was initiated.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Attachments",
  "c2jShape" : "VolumeAttachmentList",
  "deprecated" : false,
  "documentation" : "<p>Information about the volume attachments.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>
  @param attachments
  Information about the volume attachments.</p>
  @return Returns a reference to this object so that method calls can be
  chained together.*/",
  "fluentSetterMethodName" : "withAttachments",
  "getterDocumentation" : "/**<p>Information about the volume attachments.</p>
  @return Information about
  the volume attachments.</p>*/",
  "getterMethodName" : "getAttachments",
  "getterModel" : {
    "returnType" : "java.util.List<VolumeAttachment>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachmentSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachmentSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jName" : "Attachments",
      "c2jShape" : "VolumeAttachmentList",
      "deprecated" : false,
      "documentation" : "<p>Information about the volume attachments.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>
      @param attachments
      Information about the volume attachments.</p>
      @return Returns a reference to this object so that method calls can be
      chained together.*/",
      "fluentSetterMethodName" : "withAttachments",
      "getterDocumentation" : "/**<p>Information about the volume attachments.</p>
      @return Information about
      the volume attachments.</p>*/",
      "getterMethodName" : "getAttachments",
      "getterModel" : {
        "returnType" : "java.util.List<VolumeAttachment>",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "AttachmentSet",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "attachmentSet",
        "uri" : false
      },
      "idempotencyToken" : false,
      "list" : true,
      "listModel" : {
        "implType" : "com.amazonaws.internal.SdkInternalList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "c2jName" : "member",
          "c2jName" : "Attachments",
          "c2jShape" : "VolumeAttachmentList",
          "deprecated" : false,
          "documentation" : "<p>Information about the volume attachments.</p>",
          "enumType" : null,
          "fluentSetterDocumentation" : "/**<p>Information about the volume attachments.</p>
          @param attachments
          Information about the volume attachments.</p>
          @return Returns a reference to this object so that method calls can be
          chained together.*/",
          "fluentSetterMethodName" : "withAttachments",
          "getterDocumentation" : "/**<p>Information about the volume attachments.</p>
          @return Information about
          the volume attachments.</p>*/",
          "getterMethodName" : "getAttachments",
          "getterModel" : {
            "returnType" : "java.util.List<VolumeAttachment>",
            "documentation" : null
          },
          "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
"c2jShape" : "VolumeAttachment",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
@return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "VolumeAttachment",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VolumeAttachment",
  "variableName" : "member",
  "variableType" : "VolumeAttachment",
  "documentation" : "",
  "simpleType" : "VolumeAttachment",
  "variableSetterType" : "VolumeAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable" : {

"variableDeclarationType" : "VolumeAttachment",
"variableName" : "member",
"variableType" : "VolumeAttachment",
"documentation" : "",
"simpleType" : "VolumeAttachment",
"variableSetterType" : "VolumeAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"templateType" : "java.util.List<VolumeAttachment>
}
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**<p>Information about the volume attachments.</p>
@param attachments
Information about the volume attachments.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
    "variableName" : "attachments",
    "variableType" : "java.util.List<VolumeAttachment>",
    "documentation" : "",
    "simpleType" : "List<VolumeAttachment>",
    "variableSetterType" : "java.util.Collection<VolumeAttachment>
    
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the volume attachments.</p>

NOTE:
This method appends the values to the existing list (if any). Use {
@link #setAttachments(java.util.Collection)} or {
@link #withAttachments(java.util.Collection)} if you want to override the existing values.

@param attachments Information about the volume attachments.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
    "variableName" : "attachments",
    "variableType" : "java.util.List<VolumeAttachment>",
    "documentation" : "<p>Information about the volume attachments.</p>

    "simpleType" : "List<VolumeAttachment>",
    "variableSetterType" : "java.util.Collection<VolumeAttachment>"
getterMethodName" : "getMember",
getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
idempotencyToken" : false,
list" : false,
listModel" : null,
map" : false,
mapModel" : null,
name" : "Member",
setterDocumentation" : "/*\n@param member */",
setterMethodName" : "setMember",
setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
simple" : false,
"varargSetterDocumentation" : "/*\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
xmlNameSpaceUri" : null
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```
{
    "memberLocationName" : "item",
    "memberType" : "Tag",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,
    "simpleType" : "Tag",
    "templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "templateType" : "java.util.List<Tag>",
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the volume.</p>
@param tags Any tags assigned to the volume.*/",
"setterMethodName" : "setTags",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the volume.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.<p>Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the volume.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
{  
    "c2jName" : "VolumeType",
    "c2jShape" : "VolumeType",
    "deprecated" : false,
    "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>",
```
"enumType" : "VolumeType",
  
  "fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.@return Returns a reference to this object so that method calls can be chained together.@see VolumeType*/",

  "fluentSetterMethodName" : "withVolumeType",

  "getterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>@return The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.@see VolumeType*/",

  "getterMethodName" : "getVolumeType",

  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },

  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "VolumeType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "volumeType",
    "uri" : false
  },

  "idempotencyToken" : false,

  "list" : false,

  "listModel" : null,

  "map" : false,

  "mapModel" : null,

  "name" : "VolumeType",

  "setterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.@see VolumeType*/",

  "setterMethodName" : "setVolumeType"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p><p>@param volumeType The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VolumeType*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "Iops",
  "c2jShape" : "Integer",
  "deprecated" : false,
  "documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.\n<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.\n"*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume
Types</i> in the Amazon Elastic Compute Cloud User Guide</i>.</p><p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p><p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.</p><p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p><p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p><p>@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.</p>

@return Returns a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "withIops",

"getterDocumentation" : "/**
The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.

@return The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.

"getterMethodName" : "getIops",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iops",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "iops",
"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.</p>\n@<p>\n@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.*/",
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"setterModel" : {
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  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.*/",";}
IOPS for io1 volumes and 100-10000 IOPS for \texttt{gp2} volumes. \textit{Condition: This parameter is required for requests to create \texttt{io1} volumes; it is not used in requests to create \texttt{gp2}, \texttt{st1}, \texttt{sc1}, or \texttt{standard} volumes.}\textit{Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes.}\textit{Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes.}\textit{Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for \texttt{gp2} volumes.}\n
\texttt{iops}\textit{The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types\textit{Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide}.}\textit{Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for \texttt{gp2} volumes.}\textit{Condition: This parameter is required for requests to create \texttt{io1} volumes; it is not used in requests to create \texttt{gp2}, \texttt{st1}, \texttt{sc1}, or \texttt{standard} volumes.}\n
\textit{Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for \texttt{gp2} volumes.}\n
\textit{Condition: This parameter is required for requests to create \texttt{io1} volumes; it is not used in requests to create \texttt{gp2}, \texttt{st1}, \texttt{sc1}, or \texttt{standard} volumes.}\n
\texttt{return}\textit{Returns a reference to this object so that method calls can be chained together.}
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   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "encrypted",
   "uri": false
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"map": false,
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"name": "Encrypted",
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@param encrypted Indicates whether the volume will be encrypted.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setEncrypted",
"setterModel": {
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   "documentation": "",
   "simpleType": "Boolean",
   "variableSetterType": "Boolean"
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"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether the volume will be encrypted.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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   "variableType": "Boolean",
   "documentation": "Indicates whether the volume will be encrypted.
   "simpleType": "Boolean",
   "variableSetterType": "Boolean"
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"xmlNameSpaceUri": null
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"c2jName": "KmsKeyId",
"c2jShape": "String"}
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withKmsKeyId",
"getterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.*/",
"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
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"unmarshallLocationName" : "kmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "kmsKeyId",
"getterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.*/",
"getterMethodName" : "getKmsKeyId",
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"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setKmsKeyId",
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"variableName" : "kmsKeyId",
"getterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@return The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.*/",
"getterMethodName" : "getKmsKeyId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
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"isPayload" : false,
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.\n</p>\n@param
kmsKeyId
The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"documentation" : "\n<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.\n</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Attachments" : {
"c2jName" : "Attachments",
"c2jShape" : "VolumeAttachmentList",
"deprecated" : false,
"documentation" : "\n<p>Information about the volume attachments.\n</p>
",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>Information about the volume attachments.\n</p>
@param
attachments
Information about the volume attachments.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAttachments",
"getterDocumentation" : "/**\n<p>Information about the volume attachments.\n</p>
@return
Information about the volume attachments.\n
"
getterMethodName" : "getAttachments",
"getterModel" : {
"returnType" : "java.util.List<VolumeAttachment>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VolumeAttachment",
"variableName" : "member",
"variableType" : "VolumeAttachment",
"documentation" : "",
"simpleType" : "VolumeAttachment",
"variableSetterType" : "VolumeAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableDeclarationType" : "VolumeAttachment",
"variableName" : "member",
"variableType" : "VolumeAttachment",
"documentation" : "",
"simpleType" : "VolumeAttachment",
"variableSetterType" : "VolumeAttachment"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"templateType" : "java.util.List<VolumeAttachment>
},
"map" : false,
"mapModel" : null,
"name" : "Attachments",
"setterDocumentation" : "/**\p>Information about the volume attachments.\p>\n@param attachments Information about the volume attachments.*/",
"setterMethodName" : "setAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeAttachment>",
"variableName" : "attachments",
"variableType" : "java.util.List<VolumeAttachment>",
"documentation" : "",
"simpleType" : "List<VolumeAttachment>",
"variableSetterType" : "java.util.Collection<VolumeAttachment>"
This method appends the values to the existing list (if any). Use [@link #setAttachments(java.util.Collection)] or [@link #withAttachments(java.util.Collection)] if you want to override the existing values.\n\n@note

Information about the volume attachments.\n
@returns

A reference to this object so that method calls can be chained together.

### AvailabilityZone

**c2jName**: "AvailabilityZone"

**c2jShape**: "String"

**fluentSetterMethodName**: "withAvailabilityZone"

**getterMethodName**: "getAvailabilityZone"

**http**: 

- "additionalMarshallingPath": null
- "additionalUnmarshallingPath": null
- "flattened": false
- "greedy": false
- "header": false
- "isPayload": false
- "isStreaming": false
- "location": null
- "marshallLocationName": "AvailabilityZone"
- "queryString": false
- "statusCode": false
- "unmarshallLocationName": "AvailabilityZone"
- "uri": false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**\p> The Availability Zone for the volume.\n@param availabilityZone The Availability Zone for the volume.\n*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The Availability Zone for the volume.\n@param availabilityZone The Availability Zone for the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone for the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"CreateTime" : {
  "c2jName" : "CreateTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time stamp when volume creation was initiated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\p> The time stamp when volume creation was initiated.\n@param createTime The time stamp when volume creation was initiated.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withCreateTime",
  "getterDocumentation" : "/**\p> The time stamp when volume creation was initiated.\n@return The time stamp when volume creation was initiated.\n*/",
  "getterMethodName" : "getCreateTime",
  "getterModel" : {
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    "documentation" : "null"}
"http" : {
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    "additionalUnmarshallingPath" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "createTime",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreateTime",
"setterDocumentation" : "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.*/",
"setterMethodName" : "setCreateTime",
"setterModel" : {
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    "variableName" : "createTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when volume creation was initiated.</p>
@param createTime The time stamp when volume creation was initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableType" : "java.util.Date",
    "documentation" : "<p>The time stamp when volume creation was initiated.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
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"Encrypted" : {
"c2jName" : "Encrypted",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume will be encrypted.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the volume will be encrypted.</p>
@param encrypted Indicates whether the volume will be encrypted.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withEncrypted",
"getterDocumentation" : "/**<p>Indicates whether the volume will be encrypted.</p>
@return Indicates whether the volume will be encrypted.*/",
"getterMethodName" : "getEncrypted",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "encrypted",
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Encrypted",
"setterDocumentation" : "/**<p>Indicates whether the volume will be encrypted.</p>
@param encrypted Indicates whether the volume will be encrypted.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "variableName" : "encrypted",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"varargSetterDocumentation": "/**<p>Indicates whether the volume will be encrypted.</p>
@param encrypted Indicates whether the volume will be encrypted.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType": "Boolean",
"documentation": "<p>Indicates whether the volume will be encrypted.</p>
"simpleType": "Boolean",
"variableSetterType": "Boolean"
}
,"xmlNameSpaceUri": null
},
"iops": {
"c2jName": "Iops",
"c2jShape": "Integer",
"deprecated": false,
"documentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.<p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.<p>
"enumType": null,
"fluentSetterDocumentation": "/**<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.<p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.<p>
"@param iops The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for <code>gp2</code> volumes.<p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.<p>
"@return Returns a reference to this
object so that method calls can be chained together.*",

"getterSetterMethodName" : "withIops",

"getterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports.
For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.*

Return: The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.*

"getterMethodName" : "getIops",

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iops",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Iops",

"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports.
For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.*

Return: The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.*

"setterMethodName" : "setIops",

"setterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iops",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Iops",

"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports.
For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.*

Return: The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.*

"setterMethodName" : "setIops",

"setterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iops",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "Iops",

"setterDocumentation" : "/**<p>The number of I/O operations per second (IOPS) that the volume supports.
For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.*

Return: The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide.*

"setterMethodName" : "setIops",

"setterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "iops",
  "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,
For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest>UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a>.

For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a>.

Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes.

Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2 volumes, st1 volumes, or standard volumes.

### Returns

Returns a reference to this object so that method calls can be chained together.
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "iops",
   "variableType" : "Integer",
   "documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see Amazon EBS Volume Types in the Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes.
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
   "c2jName" : "KmsKeyId",
   "c2jShape" : "String",
   "deprecated" : false,
   "documentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
   "simpleType" : null,
   "enumType" : null,
   "fluentSetterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
   "fluentSetterMethodName" : "withKmsKeyId",
   "getterDocumentation" : "The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
   "getterMethodName" : "getKmsKeyId",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
   }
}
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "kmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "KmsKeyId",
"setterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>
@param kmsKeyId The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Size" : {
  "c2jName" : "Size",
  "c2jShape" : "Integer",
  "deprecated" : false,
"variableDeclarationType" : "Integer",
"variableName" : "size",
"variableType" : "Integer",
"documentation" : "<p>The size of the volume, in GiBs.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"SnapshotId" : {
"c2jName" : "SnapshotId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The snapshot from which the volume was created, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The snapshot from which the volume was created, if applicable.</p>
@param snapshotId The snapshot from which the volume was created, if applicable.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withSnapshotId",
"getterDocumentation" : "/**<p>The snapshot from which the volume was created, if applicable.</p>
@return The snapshot from which the volume was created, if applicable.</p>*/",
"getterMethodName" : "getSnapshotId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "SnapshotId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "snapshotId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "SnapshotId",
"setterDocumentation" : "/**<p>The snapshot from which the volume was created, if applicable.</p>
@param snapshotId The snapshot from which the volume was created, if applicable.
@return Returns a reference to this object so that method calls can be chained together.</p>*/
"setterMethodName" : "setSnapshotId",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
applicable.

@param snapshotId The snapshot from which the volume was created, if applicable.

setterMethodName" : "setSnapshotId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "snapshotId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The snapshot from which the volume was created, if applicable.

Returns a reference to this object so that method calls can be chained together.

**/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "snapshotId",
    "variableType" : "String",
    "documentation" : "\p> The volume state.

@see VolumeState*/",
"getterMethodName" : "getState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "Http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocationName" : "status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The volume state.</p>
@param state The volume state.
@see VolumeState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume state.</p>
@param state The volume state.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The volume state.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the volume.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the volume.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**<p>Any tags assigned to the volume.</p>\n@return Any tags assigned to the volume.*/",
  "getMethodName" : "getTags",
  "putterDocumentation" : "/**<p>Any tags assigned to the volume.</p>\n@see VolumeState*/",
  "putterMethodName" : "withTags",
  "setterDocumentation" : "/**<p>Any tags assigned to the volume.</p>\n@param tags Any tags assigned to the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "withTags",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "tags",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "varargSetterDocumentation" : "/**<p>Any tags assigned to the volume.</p>\n@param tags Any tags assigned to the volume.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "tags",
    "variableType" : "String",
    "documentation" : "<p>Any tags assigned to the volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}
"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "TagSet",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "tagSet",
  "uri": false
},
"idempotencyToken": false,
"list": true,
"listModel": {
  "implType": "com.amazonaws.internal.SdkInternalList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "Tag",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**
     * @param member 
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**@return */",
    "getterMethodName": "getMember",
    "getterModel": {
      "returnType": "Tag",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
    }
  }
},
"implType": "com.amazonaws.services.s3.model.Tag",
"interfaceType": "java.lang.Object",
"listMemberType": "com.amazonaws.services.s3.model.Tag",
"listMemberModel": {
  "c2jName": "member",
  "c2jShape": "Tag",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "fluentSetterDocumentation": "/**
   * @param member 
   * @return Returns a reference to this object so that
   * method calls can be chained together. */",
  "fluentSetterMethodName": "withMember",
  "getterDocumentation": "/**@return */",
  "getterMethodName": "getMember",
  "getterModel": {
    "returnType": "Tag",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
  }
}
"marshallLocationName" : "item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false,
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templatetImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the volume.</p>
@param tags Any tags assigned to the volume.*/",
"setterMethodName": "setTags",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the volume.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use @link #setTags(java.util.Collection) or @link #withTags(java.util.Collection) if you want to override the existing values.</p>
@param tags Any tags assigned to the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "Any tags assigned to the volume.",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null,
"VolumeId": {
  "c2jName": "VolumeId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The ID of the volume.",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName": "withVolumeId",
  "getterDocumentation": "/**<p>The ID of the volume.</p>
@return The ID of the volume.*/",
  "getterMethodName": "getVolumeId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
    "c2jName" : "VolumeType",
    "c2jShape" : "VolumeType",
    "deprecated" : false,
    "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p>",
    "enumType" : "VolumeType",
    "fluentSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose"
SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes. The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes.

@returns Returns a reference to this object so that method calls can be chained together.

@see VolumeType*/

"fluentSetterMethodName" : "withVolumeType",
"getterDocumentation" : "/**p*/The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes."

@returns The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes."

"getterMethodName" : "getVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "volumeType",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeType",
"setterDocumentation" : "/**p*/The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes."

@returns The volume type. This can be `<code>gp2</code>` for General Purpose SSD, `<code>io1</code>` for Provisioned IOPS SSD, `<code>st1</code>` for Throughput Optimized HDD, `<code>sc1</code>` for Cold HDD, or `<code>standard</code>` for Magnetic volumes."

"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType"
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Volume",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "Volume",
    "variableName" : "volume",
    "variableType" : "Volume",
    "documentation" : null,
    "simpleType" : "Volume",
    "variableSetterType" : "Volume"
},
"wrapper" : false
},
"c2jName" : "VolumeAttachment",
"customization" : {
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Volume",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "Volume",
    "variableName" : "volume",
    "variableType" : "Volume",
    "documentation" : null,
    "simpleType" : "Volume",
    "variableSetterType" : "Volume"
},
"wrapper" : false
},
"c2jName" : "VolumeAttachment",
"customization" : {
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Volume",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "Volume",
    "variableName" : "volume",
    "variableType" : "Volume",
    "documentation" : null,
    "simpleType" : "Volume",
    "variableSetterType" : "Volume"
},
"wrapper" : false
},
"c2jName" : "VolumeAttachment",
"customization" : {
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeType",
    "variableType" : "String",
    "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.
@see VolumeType*/",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Volume",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "Volume",
    "variableName" : "volume",
    "variableType" : "Volume",
    "documentation" : null,
    "simpleType" : "Volume",
    "variableSetterType" : "Volume"
},
"wrapper" : false
},
"c2jName" : "VolumeAttachment",
"customization" : {
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
Describes volume attachment details.

The ID of the volume.

The ID of the volume.

Returns a reference to this object so that method calls can be chained together.

The ID of the volume.

The ID of the volume.

The ID of the volume.

Returns a reference to this object so that method calls can be chained together.

The ID of the volume.

The ID of the volume.

The ID of the volume.

The ID of the volume.
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the volume.</p>
@param volumeId The ID of the volume
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"fluentSetterDocumentation" : "/**<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/**<p>The ID of the instance.</p>
@return The ID of the instance.*/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "InstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "instanceId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/**
*pThe ID of the instance.*
@param instanceId The ID of the instance.*
*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
*pThe ID of the instance.*
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*
*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "pThe ID of the instance.*",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "Device",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "pThe device name.*",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
*pThe device name.*
@param device The device name.*
@return Returns a reference to this object so that method calls can be chained together.*
*/",
  "fluentSetterMethodName" : "withDevice",
  "getterDocumentation" : "/**
*pThe device name.*
@param device The device name.*
@return The device name.*
*/",
  "getterMethodName" : "getDevice",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"documentation" : "<p>The attachment state of the volume.</p>",
"enumType" : "VolumeAttachmentState",
"fluentSetterDocumentation" : "/**<p>The attachment state of the volume.</p>*/
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttachmentState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The attachment state of the volume.</p>*/
@return The attachment state of the volume.
@see VolumeAttachmentState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The attachment state of the volume.</p>*/
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttachmentState*/",
"setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The attachment state of the volume.</p>*/
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see
VolumeAttachmentState*/*,
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The attachment state of the volume.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
  "c2jName" : "AttachTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time stamp when the attachment initiated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@method attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withAttachTime",
  "getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
  "getterMethodName" : "getAttachTime",
  "getterModel" : {
    "returnType" : "java.util.Date",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "AttachTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "attachTime",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "AttachTime"
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.*"",
"setterMethodName" : "setAttachTime",
"setterModel" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "java.util.Date",
  "variableName" : "attachTime",
  "variableType" : "java.util.Date",
  "documentation" : "<p>The time stamp when the attachment initiated.</p>
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>
  "@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.\n  @return Returns a reference to this object so that method calls can be chained together.*"",
  "getterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
  \n  @return Indicates whether the EBS volume is deleted on instance termination.\n  \n  @return Returns a reference to this object so that method calls can be chained together.*"",
  "getterMethodName" : "getDeleteOnTermination",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance
termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance
termination.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance
termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance
termination.
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
} ]
}
"membersAsMap" : {
"AttachTime" : {
  "c2jName" : "AttachTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time stamp when the attachment initiated.</p>
  "simpleType" : "null",
  "fluentSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
  @returns Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "null",
    "variableName" : "null",
    "variableType" : "null",
    "documentation" : "",
    "simpleType" : "null",
    "variableSetterType" : "null"
  },
  "xmlNameSpaceUri" : null
} }
attachTime The time stamp when the attachment initiated.

@return Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withAttachTime",
"getterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@return The time stamp when the attachment initiated.*/",
"getterMethodName" : "getAttachTime",
"getterModel" : {
"returnType" : "java.util.Date",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "AttachTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "attachTime",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AttachTime",
"setterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setAttachTime",
"setterModel" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The time stamp when the attachment initiated.</p>
@param attachTime The time stamp when the attachment initiated.
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
"variableDeclarationType" : "java.util.Date",
"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"}
"variableName" : "attachTime",
"variableType" : "java.util.Date",
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"DeleteOnTermination" : {
"c2jName" : "DeleteOnTermination",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDeleteOnTermination",
"getterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@return Indicates whether the EBS volume is deleted on instance termination.*/",
"getterMethodName" : "getDeleteOnTermination",
"gettersettersModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DeleteOnTermination",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "deleteOnTermination",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DeleteOnTermination",
"setterDocumentation" : "/**<p>Indicates whether the EBS volume is deleted on instance termination.</p>
@param deleteOnTermination Indicates whether the EBS volume is deleted on instance termination.
@return Returns a reference to this object so that method calls can be chained together.*/"
setterMethodName" : "setDeleteOnTermination",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\nIndicates whether the EBS volume is deleted on instance termination.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleteOnTermination",
  "variableType" : "Boolean",
  "documentation" : "Indicates whether the EBS volume is deleted on instance termination.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "deleteOnTermination",
    "variableType" : "Boolean",
    "documentation" : "Indicates whether the EBS volume is deleted on instance termination.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"Device" : {
  "c2jName" : "Device",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The device name.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nThe device name.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNamespace" : null,
},
"Device" : {
  "c2jName" : "Device",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The device name.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\nThe device name.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/",
  "xmlNamespace" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocationName" : "Device",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "device",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Device",
"setterDocumentation" : "/*<p>The device name.</p>
@param device The device name.</returns*/",
"setterMethodName" : "setDevice",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The device name.</p>
@param device The device name.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "device",
  "variableType" : "String",
  "documentation" : "<p>The device name.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"InstanceId" : {
  "c2jName" : "InstanceId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"instanceIdUri" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceId",
"getterDocumentation" : "/*<p>The ID of the instance.</p>
@param instanceId The ID of the instance.**/",
"getterMethodName" : "getInstanceId",
"getterModel" : {
  "returnType" : "String",
  "returnType" : "String"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "InstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "instanceId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceId",
"setterDocumentation" : "/** <p>The ID of the instance.</p>
@param instanceId The ID of the instance.*/",
"setterMethodName" : "setInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/** <p>The ID of the instance.</p>
@param instanceId The ID of the instance.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",


"c2jShape" : "VolumeAttachmentState",
"deprecated" : false,
"documentation" : "<p>The attachment state of the volume.</p>",
"enumType" : "VolumeAttachmentState",
"fluentSetterDocumentation" : "/**<p>The attachment state of the volume.</p>
@param state The attachment state of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeAttachmentState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The attachment state of the volume.</p>
@return The attachment state of the volume.
@see VolumeAttachmentState*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "status",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The attachment state of the volume.</p>
@param state The attachment state of the volume.
@see VolumeAttachmentState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
The attachment state of the volume.

```java
/**
 * The attachment state of the volume.
 */

public enum VolumeAttachmentState {
    Unattached,
    Attached
}
```

- **Variable Declaration**:
  - `state` (String)

- **Method Documentation**:
  - `setAttachmentState(String state)`
    - Parameter: `state` (The attachment state of the volume)
    - Description: Returns a reference to this object so that method calls can be chained together.
    - See: `VolumeAttachmentState`
"name": "VolumeId",
"setterDocumentation": "/**\n * The ID of the volume.
 */\n@param volumeId The ID of the volume.
\*/",
"setterMethodName": "setVolumeId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n * The ID of the volume.
 */\n@param volumeId The ID of the volume.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "<p>The ID of the volume.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri":null
},
"requestSignerAware":false,
"requestSignerClassFqcn":null,
"required":null,
"shapeName": "VolumeAttachment",
"unmarshaller": {
  "flattened":false,
  "resultWrapper":null
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"variable": {
  "variableDeclarationType": "VolumeAttachment",
  "variableName": "volumeAttachment",
  "variableType": "VolumeAttachment",
  "documentation":null,
  "simpleType": "VolumeAttachment",
  "variableSetterType": "VolumeAttachment"
},
"wrapper":false
},
"VolumeAttachmentState":{
  "c2jName": "VolumeAttachmentState",
  "customization": {
    "artificialResultWrapper":null,
    "skipGeneratingMarshaller":false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
{
"name": "Attaching",
"value": "attaching"
},
{
"name": "Attached",
"value": "attached"
},
{
"name": "Detaching",
"value": "detaching"
},
{
"name": "Detached",
"value": "detached"
}
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VolumeAttachmentState",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "VolumeAttachmentState",
"variableName": "volumeAttachmentState",
"variableType": "VolumeAttachmentState",
"documentation": null,
"simpleType": "VolumeAttachmentState",
"variableSetterType": "VolumeAttachmentState"
},
"wrapper": false
}.
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "",
"enums" : [ { 
  "name" : "AutoEnableIO",
  "value" : "autoEnableIO"
}, { 
  "name" : "ProductCodes",
  "value" : "productCodes"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeAttributeName",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "VolumeAttributeName",
  "variableName" : "volumeAttributeName",
  "variableType" : "VolumeAttributeName",
  "documentation" : null,
  "simpleType" : "VolumeAttributeName",
  "variableSetterType" : "VolumeAttributeName"
},
"wrapper" : false,
"VolumeDetail" : { 
  "c2jName" : "VolumeDetail",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
"documentation": "<p>Describes an EBS volume.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "Size",
    "c2jShape": "Long",
    "deprecated": false,
    "documentation": "<p>The size of the volume, in GiB.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The size of the volume, in GiB.</p>
    @param size The size of the volume, in GiB.
    @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withSize",
    "getterDocumentation": "/**<p>The size of the volume, in GiB.</p>
    @return The size of the volume, in GiB.*/",
    "getterMethodName": "getSize",
    "getterModel": {
      "returnType": "Long",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "Size",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "size",
      "uri": false
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "Size",
    "setterDocumentation": "/**<p>The size of the volume, in GiB.</p>
    @param size The size of the volume, in GiB.*/",
    "setterMethodName": "setSize",
    "wrapקב�": false,
    "xsiType": null
  }
],
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Size",
"setterDocumentation": "/**<p>The size of the volume, in GiB.
    @param size The size of the volume, in GiB.*/",
    "setterMethodName": "setSize",
    "wrapقب�": false,
    "xsiType": null
}
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The size of the volume, in GiB.
 *\n * @param size The size of the volume, in GiB.
 *\n * @return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "The size of the volume, in GiB.",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Size" : {
    "c2jName" : "Size",
    "c2jShape" : "Long",
    "deprecated" : false,
    "documentation" : "The size of the volume, in GiB.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * The size of the volume, in GiB.
 *\n * @param size The size of the volume, in GiB.
 *\n * @return Returns a reference to this object so that method calls can be chained together. */",
    "fluentSetterMethodName" : "withSize",
    "getterDocumentation" : "/**\n * The size of the volume, in GiB.
 *\n * @return The size of the volume, in GiB.
 */",
    "getterMethodName" : "getSize",
    "getterModel" : {
      "returnType" : "Long",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Size",
      "requiredInFault" : null,
      "requiredInResponse" : null
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "size",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Size",
"setterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param size The size of the volume, in GiB.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setSize",
"setterModel" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The size of the volume, in GiB.</p>
@param size The size of the volume, in GiB
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Long",
  "variableName" : "size",
  "variableType" : "Long",
  "documentation" : "The size of the volume, in GiB."
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Size" ],
"shapeName" : "VolumeDetail",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VolumeDetail",
  "variableName" : "volumeDetail",
  "variableType" : "VolumeDetail"
Describes the modification status of an EBS volume. If the volume has never been modified, some element values will be null.

- **VolumeId**: ID of the volume being modified.

```java
@returns ID of the volume being modified.
```

```java
@returns Get a reference to this object so that method calls can be chained together.
```
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/\*\*<p>ID of the volume being modified.</p>\u@\n\param volumeId ID of the volume being modified.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/\*\*<p>ID of the volume being modified.</p>\u@\n\param volumeId ID of the volume being modified.\n\return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>ID of the volume being modified.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ModificationState",
"c2jShape" : "VolumeModificationState",
"deprecated" : false,
"documentation" : "<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>",
"enumType" : "VolumeModificationState",
"fluentSetterDocumentation" : "/\*\*<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>\u@\n\param modificationState Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>.

Modification state is null for unmodified volumes.

@see VolumeModificationState*/

"fluentSetterMethodName" : "withModificationState",
"getterDocumentation" : "/**<p>Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes. </p>@return Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes.@see VolumeModificationState*/",
"getterMethodName" : "getModificationState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ModificationState",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "modificationState",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ModificationState",
"setterDocumentation" : "/**<p>Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes. </p>@param modificationState Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes.@see VolumeModificationState*/",
"setterMethodName" : "setModificationState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "modificationState",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
}
Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes.

```
@see VolumeModificationState*/
```

### variable

```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "modificationState",
  "variableType" : "String",
  "documentation" : "Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes."
},
```

### xmlNameSpaceUri

```
"xmlNameSpaceUri" : null
```

### c2jName

```
"c2jName" : "StatusMessage",
```

### c2jShape

```
"c2jShape" : "String",
```

### deprecated

```
"deprecated" : false,
```

### documentation

```
"documentation" : "Generic status message on modification progress or failure."
```

### enumType

```
"enumType" : null,
```

### fluentSetterDocumentation

```
"fluentSetterDocumentation" : "Generic status message on modification progress or failure."
```

### fluentSetterMethodName

```
"fluentSetterMethodName" : "withStatusMessage",
```

### getterDocumentation

```
"getterDocumentation" : "Generic status message on modification progress or failure."
```

### getterMethodName

```
"getterMethodName" : "getStatusMessage",
```

### getterModel

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
```

### http

```
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "StatusMessage",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "statusMessage",
```
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/**<p>Generic status message on modification progress or failure.</p>
@param
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"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
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"simple" : true,
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@param statusMessage Generic status message on modification progress or failure.
@return Returns a reference to this object so that method calls can be chained together.*"",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Target size of the volume being modified.</p>
@param targetSize Target size of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withTargetSize",
"getterDocumentation" : "/**<p>Target size of the volume being modified.</p>
@param targetSize Target size of the volume being modified.
@return Target size of the volume being modified.*"",
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  "variableType": "Integer",
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  "variableSetterType": "Integer"
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"enumType" : null,
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@param targetIops Target IOPS rate of the volume being modified
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>
@return Target IOPS rate of the volume being modified.*/",
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@param targetIops Target IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together. */",
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 "enumType" : "VolumeType",
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@param targetVolumeType Target EBS volume type of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType*/",
 "fluentSetterMethodName" : "withTargetVolumeType",
 "getterDocumentation" : "/**<p>Target EBS volume type of the volume being modified.</p>
@return Target EBS volume type of the volume being modified.
@see VolumeType*/",
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 "documentation" : null
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 "statusCode" : false,
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 "uri" : false
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"name": "TargetVolumeType",
"setterDocumentation": "/**
 * Target EBS volume type of the volume being modified.
 * @param
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 * @see VolumeType*/",
"setterMethodName": "setTargetVolumeType",
"setterModel": {
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  "variableType": "String",
  "documentation": "",
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  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": "/**
 * Target EBS volume type of the volume being modified.
 * @param
targetVolumeType Target EBS volume type of the volume being modified.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see VolumeType*/",
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  "variableType": "String",
  "documentation": "Target EBS volume type of the volume being modified.
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"c2jShape": "Integer",
"deprecated": false,
"documentation": "/**
 * Original size of the volume being modified.
 */",
"enumType": null,
"fluentSetterDocumentation": "/**
 * Original size of the volume being modified.
 * @param originalSize
 * @return Returns a reference to this object so that method calls can be chained together.
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"getterDocumentation": "/**
 * Original size of the volume being modified.
 */",
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"getterModel": {
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  "documentation": null
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"isStreaming" : false,
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"statusCode" : false,
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@param originalSize Original size of the volume being modified.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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   "documentation" : "<p>Original size of the volume being modified.</p>",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
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"documentation" : "<p>Original IOPS rate of the volume being modified.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Original IOPS rate of the volume being modified.</p>
@param originalIops Original IOPS rate of the volume being modified.
@return Returns a reference to this object so that method calls can be chained together.*/"}
method calls can be chained together."/
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  *\"documentation\" : null
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  *\"simpleType\" : \"Integer\",
  *\"variableSetterType\" : \"Integer\"
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"fluentsetterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>\n@param originalVolumeType Original EBS volume type of the volume being modified.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VolumeType*/",
"fluentsetterMethodName" : "withOriginalVolumeType",
"getterDocumentation" : "/**<p>Original EBS volume type of the volume being modified.</p>\n@return Original EBS volume type of the volume being modified.\n@see VolumeType*/",
"getterMethodName" : "getOriginalVolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "isStreaming" : false,
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  "uri" : false
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"simpleType" : "String",
"variableSetterType" : "String"
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modified.\p@param originalVolumeType Original EBS volume type of the volume being modified.\p@return
Returns a reference to this object so that method calls can be chained together.\p@see VolumeType*/",
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"c2jShape" : "Long",
"deprecated" : false,
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"enumType" : null,
"fluentSetterDocumentation" : "/**\p>Modification progress from 0 to 100%.
\p@param progress Modification progress from 0 to 100%.
\p@return Returns a reference to this object so that method calls can be
chained together.\p*/",
"fluentSetterMethodName" : "withProgress",
"getterDocumentation" : "/**\p>Modification progress from 0 to 100%.
\p@return Modification progress from 0 to 100%.
\p*/",
"getterMethodName" : "getProgress",
"getterModel" : {
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  "documentation" : null
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"uri" : false
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"mapModel" : null,
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@param progress Modification progress from 0 to 100%.
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  "variableType" : "Long",
  "documentation" : "",
  "simpleType" : "Long",
  "variableSetterType" : "Long"
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"varargSetterDocumentation" : "/**\n<p>Modification progress from 0 to 100%.</p>
@param progress Modification progress from 0 to 100%.
@return Returns a reference to this object so that method calls can be chained together.
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"xmlNameSpaceUri" : null
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  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>Modification start time</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n<p>Modification start time</p>
@param startTime Modification start time
@return Returns a reference to this object so that method calls can be chained together.
*/",
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  "getterDocumentation" : "/**\n<p>Modification start time</p>
@return Modification start time
*/",
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  "getterModel" : {
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    "documentation" : null
  }
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  "greedy": false,
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"map": false,
"mapModel": null,
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@param startTime Modification start time */",
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"setterModel": {
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  "variableName": "startTime",
  "variableType": "java.util.Date",
  "documentation": "",
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  "variableSetterType": "java.util.Date"
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"varargSetterDocumentation": "/**<p>Modification start time </p>
@param startTime Modification start time
@return Returns a reference to this object so that method calls can be chained together. */",
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"c2jName": "EndTime",
"c2jShape": "DateTime",
"deprecated": false,
<p>Modification completion or failure time.</p>
@param endTime Modification completion or failure time.
@return Returns a reference to this object so that method calls can be chained together.

/**
 * Modification completion or failure time.
 * @param endTime
 * @return Returns a reference to this object so that method calls can be chained together.
 */

"getterDocumentation" : "/**<p>Modification completion or failure time.</p>
@return Modification completion or failure time.*/",
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@param endTime
@return Returns a reference to this object so that method calls can be chained together.
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"simple" : true,
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@param endTime
@return Returns a reference to this object so that method calls can be chained together.
*/
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        "variableSetterType" : "java.util.Date"
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        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>Modification completion or failure time.</p>
@param endTime
Modification completion or failure time.
@return Returns a reference to this object so that method calls can be
chained together.*/",
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        "getterDocumentation" : "/**<p>Modification completion or failure time.</p>
@return Modification completion or failure time.
*/",
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    "documentation" : null
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    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "modificationState",
    "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ModificationState",
"setterDocumentation" : "/**
<p>Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes. 
</p>
@param modificationState Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeModificationState*/",
"setterMethodName" : "setModificationState",
"setterModel" : {
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    "variableType" : "String",
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    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
<p>Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes. 
</p>
@param modificationState Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeModificationState*/",
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"variableType" : "String",
"documentation" : "<p>Current state of modification. Possible values are <code>modifying</code> | <code>optimizing</code> | <code>complete</code> | <code>failed</code>. Modification state is null for unmodified volumes. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"OriginalIops" : {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "enumType": "VolumeType",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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Returns a reference to this object so that method calls can be chained together.

```
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@return Original EBS volume type of the volume being modified.
@see VolumeType*/",
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  @return Returns a reference to this object so that method calls can be
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  @return Modification progress from 0 to 100%.
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@param startTime Modification start time
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  "documentation" : "Generic status message on modification progress or failure.<p/>
@return Returns a reference to this object so that method calls can be chained together. */",
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@return Returns a reference to this object so that method calls can be chained together.*"/
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    "documentation" : "<p>Target IOPS rate of the volume being modified.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>@param targetIops Target IOPS rate of the volume being modified.<p>@return Returns a reference to this object so that method calls can be chained together.*\</p>*/",
    "fluentSetterMethodName" : "withTargetIops",
    "getterDocumentation" : "/**<p>Target IOPS rate of the volume being modified.</p>@return Target IOPS rate of the volume being modified.*\</p>*/",
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        "documentation" : null
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@see VolumeType*/",
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  \n  \n  @return Returns a reference to this object so that method calls can be chained together.
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  \n  \n  @return Returns a reference to this object so that method calls can be chained together.
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@return Returns a reference to this object so that method calls can be chained together.*/",
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method calls can be chained together.*/
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    "documentation" : null,
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    "statusCode" : false,
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@return The ID of
the event associated with this operation.*/
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    "variableType" : "String",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"uri": null,
"uriPrefix": null,
"xmlNameSpaceUri": null,
"xsiType": null
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"list" : false,
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"mapModel" : null,
"name" : "Code",
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    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "variableType" : "String",
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        "unmarshallLocationName" : "eventId",
        "uri" : false
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    "map" : false,
    "mapModel" : null,
    "name" : "eventId",
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        "variableName" : "eventId",
        "variableType" : "String",
        "documentation" : "",
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\n\n**@param\n\n\n**return\n\n\n\n**<p>The ID of the event associated with this operation.</p>
\n\n**@return\n\n\n\n**<p>The ID of the event associated with this operation.</p>
\n\n**@return\n\n\n\n"eventType" : "String",
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\n\n**@return\n\n\n\n**<p>The event type associated with this operation.</p>
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"unmarshaller" : {
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  "documentation" : null,
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  "variableSetterType" : "VolumeStatusAction"
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    "skipGeneratingUnmarshaller" : false
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  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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      "c2jShape" : "VolumeStatusName",
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      "fluentSetterDocumentation" : "/**<p>The name of the volume status.</p>\n@see VolumeStatusName*/",
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  },
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  "variableSetterType" : "String"
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  "documentation" : "\n* The intended status of the volume status.\n",
  "simpleType" : "String",
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@see VolumeStatusName*/",
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    "getterDocumentation" : "/**<p>The name of the volume status.</p>
@return The name of the volume status.
@see VolumeStatusName*/",
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      "documentation" : null
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      "greedy" : false,
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@see VolumeStatusName*/",
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      "documentation" : "",
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    }
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 "uri" : false
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  "variableType" : "VolumeStatusDetails",
  "documentation" : null,
  "simpleType" : "VolumeStatusDetails",
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    "skipGeneratingUnmarshaller": false
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  "deprecated": false,
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     "enumType": null,
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     "getterDocumentation": "/**<p>The type of this event.</p>@return The type of this event.</<p>",
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       "statusCode": false,
       "unmarshallLocationName": "eventType",
       "uri": false
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  ]
}
"idempotencyToken" : false,
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   * \n   * @param eventType The type of this event.*/",
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  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "eventType",
  "variableType" : "String",
  "documentation" : "The type of this event.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"c2jName" : "Description",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A description of the event.

 gotten returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDescription",
"getterDocumentation" : "/**\n   * A description of the event.\n   * \n   * @return A description of the event.*/",
"getterMethodName" : "getDescription",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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"isStreaming": false,
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"statusCode": false,
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"map": false,
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@param description A description of
the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel": {
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  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
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the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "c2jName": "NotBefore",
  "c2jShape": "DateTime",
  "deprecated": false,
  "documentation": "<p>The earliest start time of the event.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The earliest start time of the event.</p>
@param notBefore The earliest start time of the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withNotBefore",
"getterDocumentation" : "/**\n<p>The earliest start time of the event.</p>\n@return The earliest start time of the event.*/",
"getterMethodName" : "getNotBefore",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "location" : null,
  "marshallLocationName" : "NotBefore",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "notBefore",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"setterMethodName" : "setNotBefore",
"setterModel" : {
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  "variableName" : "notBefore",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The earliest start time of the event.</p>\n@param notBefore The earliest start time of the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "notBefore",
  "variableType" : "java.util.Date"}
The earliest start time of the event. The latest end time of the event. Returns a reference to this object so that method calls can be chained together.

The latest end time of the event. The latest end time of the event. The latest end time of the event.
"variableType" : "java.util.Date",
"documentation" : "",
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"variableSetterType" : "java.util.Date"
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@param notAfter The latest end time of the event.
@return Returns a reference to this object so that method calls can be chained together.*/),
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"documentation" : "<p>The latest end time of the event.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"documentation" : "<p>The ID of this event.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of this event.</p>
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@return Returns a reference to this object so that method calls can be chained together.*/),
"fluentSetterMethodName" : "withEventId",
"getterDocumentation" : "/**<p>The ID of this event.</p>
@return The ID of this event.*/),
"getterMethodName" : "getEventId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventId",
"uri" : false
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"idempotencyToken" : false,
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"listModel": null,
"map": false,
"mapModel": null,
"name": "eventId",
"setterDocumentation": "/**<p>The ID of this event.\n@param eventId The ID of this event.*\n*/",
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  "variableName": "eventId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of this event.\n@param eventId The ID of this event.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
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  "variableName": "eventId",
  "variableType": "String",
  "documentation": "<p>The ID of this event.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
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    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>A description of the event.\n</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>A description of the event.\n@param description A description of the event.\n@return Returns a reference to this object so that method calls can be chained together.*\n*/",
    "fluentSetterMethodName": "withDescription",
    "getterDocumentation": "/**<p>A description of the event.\n@return A description of the event.*\n*/",
    "getterMethodName": "getDescription",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "description",
"uri": false,
},
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Description",
"setterDocumentation": /**\n**<p>A description of the event.</p>\n@param description A description of the
***/",
"setterMethodName": "setDescription",
"setterModel": {
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  "variableName": "description",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"varargSetterDocumentation": /**\n**<p>A description of the event.</p>\n@param description A description of the
***/
,\n@return Returns a reference to this object so that method calls can be chained together.***/,
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  "variableType": "String",
  "documentation": "<p>A description of the event.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
",
"EventId": {
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  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of this event.</p>",
  "enumType": null,
  "fluentSetterDocumentation": /**\n**<p>The ID of this event.</p>\n@param eventId The ID of this
***/
,\n@return Returns a reference to this object so that method calls can be chained together.***/,
event.

```

@result Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withEventId",
"getterDocumentation" : "/**<p>The ID of this event.</p>
@return The ID of this event.*/",
"getterMethodName" : "getEventId",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
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   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
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   "marshallLocationName" : "EventId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "eventId",
   "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "EventId",
"setterDocumentation" : "/**<p>The ID of this event.</p>
@param eventId The ID of this event.*/",
"setterMethodName" : "setEventId",
"setterModel" : {
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   "variableName" : "eventId",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of this event.</p>
@param eventId The ID of this event.
@return Returns a reference to this object so that method calls can be chained together. */",
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   "variableName" : "eventId",
   "variableType" : "String",
   "documentation" : "<p>The ID of this event.</p>
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
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"c2jName" : "EventType",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "&lt;p&gt;The type of this event.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/*&lt;p&gt;The type of this event.&lt;/p&gt;&lt;ul&gt;&lt;li&gt;@param eventType The type of this event.&lt;/li&gt;&lt;/ul&gt;&lt;hr&gt;Returns a reference to this object so that method calls can be chained together.*/&lt;/p&gt;",
"fluentSetterMethodName" : "withEventType",
"getterDocumentation" : "/*&lt;p&gt;The type of this event.&lt;/p&gt;&lt;ul&gt;&lt;li&gt;@return The type of this event.&lt;/li&gt;&lt;/ul&gt;*/",
"getterMethodName" : "getEventType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventType",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"name" : "EventType",
"setterDocumentation" : "/*&lt;p&gt;The type of this event.&lt;/p&gt;&lt;ul&gt;&lt;li&gt;@param eventType The type of this event.&lt;/li&gt;&lt;/ul&gt;*/",
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"variableName" : "eventType",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The type of this event.</p>
@param eventType The type of this event.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "String",
"documentation" : "<p>The type of this event.</p>
@param eventType The type of this event.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"NotAfter" : {
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"c2jShape" : "DateTime",
"deprecated" : false,
"documentation" : "<p>The latest end time of the event.</p>
@param notAfter The latest end time of the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The latest end time of the event.</p>
@param notAfter The latest end time of the event.
@return Returns a reference to this object so that method calls can be chained together.*/",
"getterDocumentation" : "/**<p>The latest end time of the event.</p>
@return The latest end time of the event.*/",
"getterMethodName" : "getNotAfter",
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 "documentation" : null
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 "header" : false,
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 "isStreaming" : false,
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 "statusCode" : false,
 "unmarshallLocationName" : "notAfter",
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  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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  "variableType" : "java.util.Date",
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  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"NotBefore" : {
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  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The earliest start time of the event.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The earliest start time of the event.</p>@param notBefore The earliest start time of the event.<br/>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withNotBefore",
  "getterDocumentation" : "/**<p>The earliest start time of the event.</p>@return The earliest start time of the event.*/",
  "getterMethodName" : "getNotBefore",
  "getterModel" : {
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "notBefore",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterMethodName" : "setNotBefore",
"setterModel" : {
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"variableName" : "notBefore",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"varargSetterDocumentation" : "/**\n<p>The earliest start time of the event.</p>\n@param notBefore The earliest start time of the event.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableType" : "java.util.Date",
"documentation" : "<p>The earliest start time of the event.</p>",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeStatusEvent",
"unmarshaller" : {
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    "resultWrapper" : null
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"variable" : {
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    "variableName" : "volumeStatusEvent",
    "variableType" : "VolumeStatusEvent",
    "documentation" : null,
    "simpleType" : "VolumeStatusEvent",
    "variableSetterType" : "VolumeStatusEvent"
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"wrapper" : false
},
"VolumeStatusInfo" : {
    "c2jName" : "VolumeStatusInfo",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    },
    "deprecated" : false,
    "documentation" : "<p>Describes the status of a volume.</p>",
    "enums" : null,
    "errorCode" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "marshaller" : null,
    "members" : [
        {
            "c2jName" : "Status",
            "c2jShape" : "VolumeStatusInfoStatus",
            "deprecated" : false,
            "documentation" : "<p>The status of the volume.</p>",
            "enumType" : "VolumeStatusInfoStatus",
            "fluentSetterDocumentation" : "/**<p>The status of the volume.</p>
@see VolumeStatusInfoStatus*/",
            "fluentSetterMethodName" : "withStatus",
            "getterDocumentation" : "/**<p>The status of the volume.</p>
@see VolumeStatusInfoStatus*/",
            "getterMethodName" : "getStatus",
            "getterModel" : {
                "returnType" : "String",
                "documentation" : null
            }
        }
    ]
}
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "status",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Status",
"setterDocumentation": "/**\n<p>The status of the volume.</p>\n@\n@param status The status of the volume.\n@see VolumeStatusInfoStatus*/",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "status",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\n<p>The status of the volume.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see VolumeStatusInfoStatus*/",
"variable": {
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  "variableName": "status",
  "variableType": "String",
  "documentation": "<p>The status of the volume.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"c2jName": "Details",
"c2jShape": "VolumeStatusDetailsList"}
null

"deprecated" : false,
"documentation" : "<p>The details of the volume status.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The details of the volume status.</p>\n@param details The details of the volume status.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDetails",
"getterDocumentation" : "/**<p>The details of the volume status.</p>\n@return The details of the volume status.*/",
"getterMethodName" : "getDetails",
"getterModel" : {
 "returnType" : "java.util.List<VolumeStatusDetails>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Details",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "details",
 "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
 "implType" : "com.amazonaws.internal.SdkInternalList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "c2jName" : "member",
 "c2jShape" : "VolumeStatusDetails",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withMember",
 "getterDocumentation" : "/**\n@return */",
 "getterMethodName" : "getMember",
 "getterModel" : {
 "returnType" : "VolumeStatusDetails",
 "documentation" : null
 }
},
"documentation" : null
}
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VolumeStatusDetails",
"variableName" : "member",
"variableType" : "VolumeStatusDetails",
"documentation" : "",
"simpleType" : "VolumeStatusDetails",
"variableSetterType" : "VolumeStatusDetails"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VolumeStatusDetails",
"variableName" : "member",
"variableType" : "VolumeStatusDetails",
"documentation" : "",
"simpleType" : "VolumeStatusDetails",
"variableSetterType" : "VolumeStatusDetails"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeStatusDetails",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusDetails",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusDetails>",
"templateType" : "java.util.List<VolumeStatusDetails>
}
],
"map" : false,
"mapModel" : null,
"name" : "Details",
"setterDocumentation" : "/**<p>The details of the volume status.</p>
@param details The details of the volume status.*/",
"setterMethodName" : "setDetails",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusDetails>",
"variableName" : "details",
"variableType" : "java.util.List<VolumeStatusDetails>",
"documentation" : "",
"simpleType" : "List<VolumeStatusDetails>",
"variableSetterType" : "java.util.Collection<VolumeStatusDetails>
}
],
"simple" : false,
"varargSetterDocumentation" : "/**<p>The details of the volume status.</p>
@param details The details of the volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "details",
"variableType" : "java.util.List<VolumeStatusDetails>",
"documentation" : "<p>The details of the volume status.</p>",
"simpleType" : "List<VolumeStatusDetails>",
"variableSetterType" : "java.util.Collection<VolumeStatusDetails>
",
"xmlNameSpaceUri" : null
} ]
},
"membersAsMap" : {
"Details" : {
"c2jName" : "Details",
"c2jShape" : "VolumeStatusDetailsList",
"deprecated" : false,
"documentation" : "<p>The details of the volume status.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The details of the volume status.</p>
@param details The details of the volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDetails",
"getterDocumentation" : "/**<p>The details of the volume status.</p>
@return The details of the volume status.*/"}
status.*",
  "getterMethodName" : "getDetails",
  "getterModel" : {
    "returnType" : "java.util.List<VolumeStatusDetails>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
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    "unmarshallLocationName" : "details",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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      "c2jShape" : "VolumeStatusDetails",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "/**\n@return */",
      "getterMethodName" : "getMember",
      "getterModel" : {
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        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
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        "greedy" : false,
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        "isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
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  "variableSetterType" : "VolumeStatusDetails"
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  "variableSetterType" : "VolumeStatusDetails"
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"templateType" : "java.util.List<VolumeStatusDetails>"
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"setterDocumentation" : "/**\n@param details The details of the volume status. */",
"setterMethodName" : "setDetails",
"setterModel" : {
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    "documentation" : "",
    "simpleType" : "List<VolumeStatusDetails>",
    "variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param details The details of the volume status.\nNOTE: This method appends the values to the existing list (if any). Use { @link #setDetails(java.util.Collection) } or { @link #withDetails(java.util.Collection) } if you want to override the existing values.\n@param details The details of the volume status.\n@return Returns a reference to this object so that method calls can be chained together. */",
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    "variableType" : "java.util.List<VolumeStatusDetails>",
    "documentation" : "The details of the volume status.",
    "simpleType" : "List<VolumeStatusDetails>",
    "variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
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    "c2jShape" : "VolumeStatusInfoStatus",
    "deprecated" : false,
    "documentation" : "The status of the volume.",
    "enumType" : "VolumeStatusInfoStatus",
    "fluentSetterDocumentation" : "/**\n@param status The status of the volume.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VolumeStatusInfoStatus*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/**\n@param status The status of the volume.\n@return The status of the volume.\n@see VolumeStatusInfoStatus*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
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        "mapModel" : null,
        "name" : "Details",
        "setterDocumentation" : "/**\n@param details The details of the volume status. */",
        "setterMethodName" : "setDetails",
        "setterModel" : {
            "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusDetails>",
            "variableName" : "details",
            "variableType" : "java.util.List<VolumeStatusDetails>",
            "documentation" : "",
            "simpleType" : "List<VolumeStatusDetails>",
            "variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
        },
        "simple" : false,
        "varargSetterDocumentation" : "/**\n@param details The details of the volume status.\nNOTE: This method appends the values to the existing list (if any). Use { @link #setDetails(java.util.Collection) } or { @link #withDetails(java.util.Collection) } if you want to override the existing values.\n@param details The details of the volume status.\n@return Returns a reference to this object so that method calls can be chained together. */",
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            "documentation" : "The details of the volume status.",
            "simpleType" : "List<VolumeStatusDetails>",
            "variableSetterType" : "java.util.Collection<VolumeStatusDetails>"
        },
        "xmlNameSpaceUri" : null
    }
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"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "status",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Status",
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@param status The status of the volume.
@see VolumeStatusInfoStatus*/",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the volume.</p>
@param status The status of the volume.
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeStatusInfoStatus*/",
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  "variableType" : "String",
  "documentation" : "<p>The status of the volume.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}.


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  "variableType": "VolumeStatusInfo",
  "documentation": null,
  "simpleType": "VolumeStatusInfo",
  "variableSetterType": "VolumeStatusInfo"
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},
"VolumeStatusInfoStatus": {
  "c2jName": "VolumeStatusInfoStatus",
  "customization": {
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  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
  "deprecated": false,
  "documentation": "",
  "enums": [
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    { "name": "Impaired", "value": "impaired" },
    { "name": "InsufficientData", "value": "insufficient-data" }
  ],
  "errorCode": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "marshaller": null,
  "members": null,
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  "requestSignerClassFqcn": null,
  "required": null,
  "shapeName": "VolumeStatusInfoStatus"}
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  "resultWrapper" : null
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  "variableDeclarationType" : "VolumeStatusInfoStatus",
  "variableName" : "volumeStatusInfoStatus",
  "variableType" : "VolumeStatusInfoStatus",
  "documentation" : null,
  "simpleType" : "VolumeStatusInfoStatus",
  "variableSetterType" : "VolumeStatusInfoStatus"
},
"wrapper" : false
},
"VolumeStatusItem" : {
  "c2jName" : "VolumeStatusItem",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the volume status.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "VolumeId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The volume ID.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "<p>The volume ID.</p><@param volumeId The volume ID.</@return
Returns a reference to this object so that method calls can be chained together."",
      "fluentSetterMethodName" : "withVolumeId",
      "getterDocumentation" : "The volume ID.<@return The volume ID."",
      "getterMethodName" : "getVolumeId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The volume ID.</p>\n@param volumeId The volume ID.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The volume ID.</p>\n@param volumeId The volume ID.\n@return
Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "volumeId",
  "variableType" : "String",
  "documentation" : "<p>The volume ID.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
{ "c2jName" : "AvailabilityZone",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the volume.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The Availability Zone of the volume.</p>\n@param availabilityZone

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The Availability Zone of the volume.

@param availabilityZone
@return Returns a reference to this object so that method calls can be chained together.*"},
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the volume.</p>*/
@returns The Availability Zone of the volume.*"},
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"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the volume.</p>*/
@returns The Availability Zone of the volume.*"},
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"setterModel" : {
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"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the volume.</p>*/
@returns The Availability Zone of the volume.*"},
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"variableType": "String",
"documentation": "The Availability Zone of the volume."",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "VolumeStatus",
"c2jShape": "VolumeStatusInfo",
"deprecated": false,
"documentation": "The volume status.",
"enumType": null,
"fluentSetterDocumentation": "The volume status.
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolumeStatus",
"getterDocumentation": "The volume status.
@return The volume status.*/",
"getterMethodName": "getVolumeStatus",
"getterModel": {
"returnType": "VolumeStatusInfo",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "volumeStatus",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VolumeStatus",
"setterDocumentation": "The volume status.
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"variableName": "volumeStatus",
"variableType": "String",
"documentation": "The Availability Zone of the volume.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"c2jName": "VolumeStatus",
"c2jShape": "VolumeStatusInfo",
"deprecated": false,
"documentation": "The volume status.",
"enumType": null,
"fluentSetterDocumentation": "The volume status.
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withVolumeStatus",
"getterDocumentation": "The volume status.
@return The volume status.*/",
"getterMethodName": "getVolumeStatus",
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"returnType": "VolumeStatusInfo",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
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"greedy": false,
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "volumeStatus",
"uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"setterDocumentation": "The volume status.
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel": {
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"variableName": "volumeStatus",
"variableType": "String",
"documentation": "The Availability Zone of the volume.",
"simpleType": "String",
"variableSetterType": "String"
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"xmlNameSpaceUri": null
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"c2jName": "VolumeStatus",
"c2jShape": "VolumeStatusInfo",
"deprecated": false,
"documentation": "The volume status.",
"enumType": null,
"variableType" : "VolumeStatusInfo",
"documentation" : "",
"simpleType" : "VolumeStatusInfo",
"variableSetterType" : "VolumeStatusInfo”
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"simple" : false,
"varargSetterDocumentation" : "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableDeclarationType" : "VolumeStatusInfo",
"variableName" : "volumeStatus",
"variableType" : "VolumeStatusInfo",
"documentation" : "<p>The volume status.</p>",
"simpleType" : "VolumeStatusInfo",
"variableSetterType" : "VolumeStatusInfo"
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"xmlNameSpaceUri" : null
}, {
"c2jName" : "Events",
"c2jShape" : "VolumeStatusEventsList",
"deprecated" : false,
"documentation" : "<p>A list of events associated with the volume.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "<p>A list of events associated with the volume.</p>
@return A list of events associated with the volume.
",
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"getterModel" : {
"returnType" : "java.util.List<VolumeStatusEvent>",
"documentation" : null
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"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
"uri" : false
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VolumeStatusEvent",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
\n@param member
\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation" : "/**
\n@return */",
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    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "greedy" : false,
      "header" : false,
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      "location" : null,
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      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
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    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n\n@param member
\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
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    "setterModel" : {
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      "variableName" : "member",
      "variableType" : "VolumeStatusEvent",
      "variableDescription" : "Member contains the list of VolumeStatusEvents for the member.
"
"documentation" : "",
"simpleType" : "VolumeStatusEvent",
"variableSetterType" : "VolumeStatusEvent"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "VolumeStatusEvent",
"documentation" : "",
"simpleType" : "VolumeStatusEvent",
"variableSetterType" : "VolumeStatusEvent"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeStatusEvent",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusEvent",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
"templateType" : "java.util.List<VolumeStatusEvent>
},
"map" : false,
"mapModel" : null,
"name" : "Events",
"setterDocumentation" : "/**
<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setEvents",
"setterModel" : {
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"variableName" : "events",
"variableType" : "java.util.List<VolumeStatusEvent>",
"documentation" : "",
"simpleType" : "List<VolumeStatusEvent>",
"variableSetterType" : "java.util.Collection<VolumeStatusEvent>
"},
"simple" : false,
"varargSetterDocumentation" : "/**
<p>A list of events associated with the volume.</p>

NOTE:
This method appends the values to the existing list (if any). Use {@link #setEvents(java.util.Collection)} or [@link 
#withEvents(java.util.Collection)} if you want to override the existing values.

@returns a reference to this object so that method calls can be chained
"variable" : {
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  "variableType" : "java.util.List<VolumeStatusEvent>",
  "documentation" : "<p>A list of events associated with the volume.</p>",
  "simpleType" : "List<VolumeStatusEvent>",
  "variableSetterType" : "java.util.Collection<VolumeStatusEvent>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Actions",
"c2jShape" : "VolumeStatusActionsList",
"deprecated" : false,
"documentation" : "<p>The details of the operation.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The details of the operation.</p>
@param actions The details of the operation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withActions",
"getterDocumentation" : "/**<p>The details of the operation.</p>
@return The details of the operation.*/",
"getterMethodName" : "getActions",
"getterModel" : {
  "returnType" : "java.util.List<VolumeStatusAction>",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
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  "unmarshallLocationName" : "actionsSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VolumeStatusAction",
  },
  "listType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "listTypeLocation" : "parent",
  "listTypeModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
    "interfaceType" : "java.util.List<VolumeStatusAction>",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "VolumeStatusAction",
    }
  }
}
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**
@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "VolumeStatusAction",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
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  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "VolumeStatusAction",
  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that
method calls can be chained together. */",
"variable": {
  "variableDeclarationType": "VolumeStatusAction",
  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
}
"variableName" : "member",
"variableType" : "VolumeStatusAction",
"documentation" : ",
"simpleType" : "VolumeStatusAction",
"variableSetterType" : "VolumeStatusAction"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VolumeStatusAction",
"map" : false,
"marshallNonAuto ConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VolumeStatusAction",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
"templateType" : "java.util.List<VolumeStatusAction>"
},
"map" : false,
"mapModel" : null,
"name" : "Actions",
"setterDocumentation" : "/**<p>The details of the operation.</p>
@param actions The details of the operation.*/",
"setterMethodName" : "setActions",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName" : "actions",
  "variableType" : "java.util.List<VolumeStatusAction>",
  "documentation" : ",
  "simpleType" : "List<VolumeStatusAction>",
  "variableSetterType" : "java.util.Collection<VolumeStatusAction>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The details of the operation.</p>
*NOTE:* This method appends the values to the existing list (if any). Use 
[@link #setActions(java.util.Collection)] or 
[@link #withActions(java.util.Collection)] if you want to override the existing values.
@param actions The details of the operation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName" : "actions",
  "variableType" : "java.util.List<VolumeStatusAction>",
  "documentation" : "<p>The details of the operation.</p>
  "simpleType" : "List<VolumeStatusAction>",
  "variableSetterType" : "java.util.Collection<VolumeStatusAction>"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {  
  "Actions" : {  
    "c2jName" : "Actions",  
    "c2jShape" : "VolumeStatusActionsList",  
    "deprecated" : false,  
    "documentation" : "<p>The details of the operation.</p>",  
    "enumType" : null,  
    "fluentSetterDocumentation" : "/*\n@\n*\n@return\n*\n*/\n\n@\n*\n*\nThe details of the operation.</p>
\n@\n*\n@\nreturn\n*\n*/\n",  
    "getterDocumentation" : "/*\n@\n@return\n*\n*/\n\n*\n@\nreturn\n*\n*/\n",  
    "getterMethodName" : "getActions",  
    "getterModel" : {  
      "returnType" : "java.util.List<VolumeStatusAction>"  
    },  
    "http" : {  
      "additionalMarshalingPath" : null,  
      "additionalUnmarshalingPath" : null,  
      "flattened" : false,  
      "greedy" : false,  
      "header" : false,  
      "isPayload" : false,  
      "isStreaming" : false,  
      "location" : null,  
      "marshallLocationName" : "ActionsSet",  
      "queryString" : false,  
      "statusCode" : false,  
      "unmarshallLocationName" : "actionsSet",  
      "uri" : false  
    },  
    "idempotencyToken" : false,  
    "list" : true,  
    "listModel" : {  
      "implType" : "com.amazonaws.internal.SdkInternalList",  
      "interfaceType" : "java.util.List",  
      "listMemberModel" : {  
        "c2jName" : "member",  
        "c2jShape" : "VolumeStatusAction",  
        "deprecated" : false,  
        "documentation" : ",",  
        "enumType" : null,  
        "fluentSetterDocumentation" : "/*\n@\n*\n@\nreturn\n*\n*/\n\n@\n*\n*\nReturns a reference to this object so that method calls can be chained together.*\n*/\n",  
        "fluentSetterMethodName" : "withMember",  
        "getterDocumentation" : "/*\n@\n*\n*\n*/\n\n*\n@\nreturn\n*\n*/\n",  
        "getterMethodName" : "getMember",  
        "getterModel" : {  
          "returnType" : "java.util.List<VolumeStatusAction>"  
        }  
      }  
    }  
  }  
}  

"getterModel": {
  "returnType": "VolumeStatusAction",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "VolumeStatusAction",
  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VolumeStatusAction",
  "variableName": "member",
  "variableType": "VolumeStatusAction",
  "documentation": "",
  "simpleType": "VolumeStatusAction",
  "variableSetterType": "VolumeStatusAction"
},
"xmlNameSpaceUri": null
}
"memberLocationName": "item",
"memberType": "VolumeStatusAction",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VolumeStatusAction",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
"templateType": "java.util.List<VolumeStatusAction>"
},
"map": false,
"mapModel": null,
"name": "Actions",
"setterDocumentation": "/**<p>The details of the operation.</p>
@param actions The details of the operation.*/",
"setterMethodName": "setActions",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName": "actions",
  "variableType": "java.util.List<VolumeStatusAction>",
  "documentation": "",
  "simpleType": "List<VolumeStatusAction>",
  "variableSetterType": "java.util.Collection<VolumeStatusAction>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The details of the operation.</p>
@param actions The details of the operation.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusAction>",
  "variableName": "actions",
  "variableType": "java.util.List<VolumeStatusAction>",
  "documentation": "The details of the operation.
",
  "simpleType": "List<VolumeStatusAction>",
  "variableSetterType": "java.util.Collection<VolumeStatusAction>"
},
"xmlNameSpaceUri": null
},
"AvailabilityZone": {
  "c2jName": "AvailabilityZone",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "The Availability Zone of the volume.
",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The Availability Zone of the volume.</p>
",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The Availability Zone of the volume.</p>
"
The Availability Zone of the volume.

@return Returns a reference to this object so that method calls can be chained together.*/

"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone of the volume.</p>
@return The Availability Zone of the volume.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocationName" : "AvailabilityZone",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "availabilityZone",
   "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone of the volume.</p>
@param availabilityZone The Availability Zone of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "availabilityZone",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The Availability Zone of the volume.</p>
@param availabilityZone The Availability Zone of the volume.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
   "variableDeclarationType" : "String",
   "variableType" : "String",
   "variableId" : "availabilityZone",
   "variableName" : "availabilityZone",
   "variableUsage" : "required",
   "variableVisibility" : "getterSetter"
}
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "The Availability Zone of the volume."",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Events" : {
"c2jName" : "Events",
"c2jShape" : "VolumeStatusEventsList",
"deprecated" : false,
"documentation" : "A list of events associated with the volume."",
"enumType" : null,
"fluentSetterDocumentation" : "A list of events associated with the volume.<p>@param events A list of events associated with the volume.<p>\n@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withEvents",
"getterDocumentation" : "A list of events associated with the volume.<p>@return A list of events associated with the volume.*"",
"getterMethodName" : "getEvents",
"getterModel" : {
"returnType" : "java.util.List<VolumeStatusEvent>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "EventsSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "eventsSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VolumeStatusEvent",
"documentation" : "\n"}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VolumeStatusEvent",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "VolumeStatusEvent",
"variableName" : "member",
"variableType" : "VolumeStatusEvent",
"documentation" : "",
"simpleType" : "VolumeStatusEvent",
"variableSetterType" : "VolumeStatusEvent"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VolumeStatusEvent",}
"variableName": "member",
"variableType": "VolumeStatusEvent",
"documentation": "",
"simpleType": "VolumeStatusEvent",
"variableSetterType": "VolumeStatusEvent"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "VolumeStatusEvent",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VolumeStatusEvent",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
"templateType": "java.util.List<VolumeStatusEvent>"
},
"map": false,
"mapModel": null,
"name": "Events",
"setterDocumentation": "/**<p>A list of events associated with the volume.</p>
@param events A list of events associated with the volume.*/",
"setterMethodName": "setEvents",
"setterModel": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
  "variableName": "events",
  "variableType": "java.util.List<VolumeStatusEvent>",
  "documentation": "",
  "simpleType": "List<VolumeStatusEvent>",
  "variableSetterType": "java.util.Collection<VolumeStatusEvent>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>A list of events associated with the volume.</p>
<NOTE>:<b>NONE:</b> This method appends the values to the existing list (if any). Use [@link #setEvents(java.util.Collection)] or [@link #withEvents(java.util.Collection)] if you want to override the existing values.<p>
\n@param events A list of events associated with the volume.\n@return Returns a reference to this object so that method calls can be chained together.</p>
*/
"variable": {
  "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<VolumeStatusEvent>",
  "variableName": "events",
  "variableType": "java.util.List<VolumeStatusEvent>",
  "documentation": "<p>A list of events associated with the volume.</p>
  "simpleType": "List<VolumeStatusEvent>",
  "variableSetterType": "java.util.Collection<VolumeStatusEvent>"
},
"xmlNamespaceUri" : null
},
"VolumeId" : {
"c2jName" : "VolumeId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The volume ID.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The volume ID.</p>
@param volumeId The volume ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVolumeId",
"getterDocumentation" : "/**<p>The volume ID.</p>
@return The volume ID.*/",
"getterMethodName" : "getVolumeId",
"getterModel" : {
"returnType" : "String",
"documentation" : null}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VolumeId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "volumeId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VolumeId",
"setterDocumentation" : "/**<p>The volume ID.</p>
@param volumeId The volume ID.
@return The volume ID.*/",
"setterMethodName" : "setVolumeId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "volumeId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple": true,
"varargSetterDocumentation": /**
 * The volume ID.
 */
@param volumeId The volume ID.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "volumeId",
  "variableType": "String",
  "documentation": "The volume ID.
  
  @param volumeId The volume ID.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"VolumeStatus": {
  "c2jName": "VolumeStatus",
  "c2jShape": "VolumeStatusInfo",
  "deprecated": false,
  "documentation": "The volume status.
  
  @param volumeStatus The volume status.
  
  @return Returns a reference to this object so that method calls can be chained together.
  */",
  "fluentSetterDocumentation": /**
   * The volume status.
   */
   @param volumeStatus The volume status.
   @return
   Returns a reference to this object so that method calls can be chained together.
   */",
  "fluentSetterMethodName": "withVolumeStatus",
  "getterDocumentation": /**
   * The volume status.
   */
   @return The volume status.
   
   @return
   * Returns a reference to this object so that method calls can be chained together.
   */",
   "getterMethodName": "getVolumeStatus",
   "getterModel": {
     "returnType": "VolumeStatusInfo",
     "documentation": null
   },
   "http": {
     "additionalMarshallingPath": null,
     "additionalUnmarshallingPath": null,
     "flattened": false,
     "greedy": false,
     "header": false,
     "isPayload": false,
     "isStreaming": false,
     "location": null,
     "marshallLocationName": "VolumeStatus",
     "queryString": false,
     "statusCode": false,
     "unmarshallLocationName": "volumeStatus",
     "uri": false
   },
   "idempotencyToken": false,
   "list": false,
   "listModel": null,
   "map": false,
   "mapModel": null,
"name": "VolumeStatus",
"setterDocumentation": "/**<p>The volume status.</p>
@param volumeStatus The volume status.*/",
"setterMethodName": "setVolumeStatus",
"setterModel": {
  "variableDeclarationType": "VolumeStatusInfo",
  "variableName": "volumeStatus",
  "variableType": "VolumeStatusInfo",
  "documentation": "",
  "simpleType": "VolumeStatusInfo",
  "variableSetterType": "VolumeStatusInfo"
},
"simple": false,
"varargSetterDocumentation": "/**<p>The volume status.</p>
@param volumeStatus The volume status.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VolumeStatusInfo",
  "variableName": "volumeStatus",
  "variableType": "VolumeStatusInfo",
  "documentation": "<p>The volume status.</p>",
  "simpleType": "VolumeStatusInfo",
  "variableSetterType": "VolumeStatusInfo"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VolumeStatusItem",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "VolumeStatusItem",
  "variableName": "volumeStatusItem",
  "variableType": "VolumeStatusItem",
  "documentation": null,
  "simpleType": "VolumeStatusItem",
  "variableSetterType": "VolumeStatusItem"
},
"wrapper": false
},
"VolumeStatusName": {
  "c2jName": "VolumeStatusName",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "xmlNameSpaceUri": null
  }
}}
"enums" : [ 
  { 
    "name" : "Standard",
    "value" : "standard"
  }, 
  { 
    "name" : "Io1",
    "value" : "io1"
  }, 
  { 
    "name" : "Gp2",
    "value" : "gp2"
  }, 
  { 
    "name" : "Sc1",
    "value" : "sc1"
  }, 
  { 
    "name" : "St1",
    "value" : "st1"
  } ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeType",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "VolumeType",
  "variableName" : "volumeType",
  "variableType" : "VolumeType",
  "documentation" : null,
  "simpleType" : "VolumeType",
  "variableSetterType" : "VolumeType"
},
"wrapper" : false
},
"Vpc" : { 
  "c2jName" : "Vpc",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingPayloadMember" : false,
    "skipGeneratingRequestSignerAware" : false,
    "skipGeneratingResponseSignerAware" : false,
    "skipGeneratingResultWrapper" : false
  }
}
"skipGeneratingUnmarshaller" : false,
"deprecated" : false,
"documentation" : "Describes a VPC.",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [ {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The ID of the VPC.",
"enumType" : null,
"fluentSetterDocumentation" : "The ID of the VPC.

| param vpcId The ID of the VPC.

| return

| Returns a reference to this object so that method calls can be chained together.

| "fluentSetterMethodName" : "withVpcId",
| "getterDocumentation" : "The ID of the VPC.

| @return The ID of the VPC.

| "getterMethodName" : "getVpcId",
| "getterModel" : {
| "returnType" : "String",
| "documentation" : null
| }
,
| "http" : {
| "additionalMarshallingPath" : null,
| "additionalUnmarshallingPath" : null,
| "flattened" : false,
| "greedy" : false,
| "header" : false,
| "isPayload" : false,
| "isStreaming" : false,
| "location" : null,
| "marshallLocationName" : "VpcId",
| "queryString" : false,
| "statusCode" : false,
| "unmarshallLocationName" : "vpcId",
| "uri" : false
| },
| "idempotencyToken" : false,
| "list" : false,
| "listModel" : null,
| "map" : false,
| "mapModel" : null,
| "name" : "VpcId",
| "setterDocumentation" : "The ID of the VPC.

| @return The ID of the VPC.

| "setterMethodName" : "setVpcId",
| "software" : null,
| "usageModel" : null,
| "version" : null}
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "State",
"c2jShape" : "VpcState",
"deprecated" : false,
"documentation" : "<p>The current state of the VPC.</p>",
"enumType" : "VpcState",
"fluentSetterDocumentation" : "/**<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**<p>The current state of the VPC.</p>
@return The current state of the VPC.
@see VpcState*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false,
}
,"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@see VpcState*/",
"setterMethodName" : "setState",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "state",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the VPC.</p>
@param state The current state of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "state",
 "variableType" : "String",
 "documentation" : "<p>The current state of the VPC.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@return The IPv4 CIDR block for the VPC.
@see VpcCidrBlock*/",
"getterMethodName" : "getCidrBlock",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrBlock",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**\p>The IPv4 CIDR block for the VPC.\n@param cidrBlock The IPv4 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p>The IPv4 CIDR block for the VPC.\n@param cidrBlock The IPv4 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block for the VPC.\n"simpleType" : "String",
  "variableSetterType" : "String"
},}
"xmlNameSpaceUri" : null,
},
"c2jName" : "DhcpOptionsId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>\n@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).\n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>\n@return The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallerLocationName" : "DhcpOptionsId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallerLocationName" : "dhcpOptionsId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>\n@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).*/",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).
@return Returns a reference to this object so that method calls can be chained together.*"",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPC.</p>
@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPC. </p>
@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the VPC. </p>
@return Any tags assigned to the VPC.
*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "xmlNameSpaceUri" : null
}
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\nAny tags assigned to the VPC.</p>\n@param tags Any tags assigned to the VPC.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag">
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>

<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)} if you want to override the existing values.</p>

@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the VPC.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>",
},
"xmlNameSpaceUri" : null
},
"c2jName" : "InstanceTenancy",
"c2jShape" : "Tenancy",
"deprecated" : false,
"documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
"enumType" : "Tenancy",
"fluentSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>

@param instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withInstanceTenancy",
"getterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>

@return The allowed tenancy of instances launched into the VPC.</p>

@see Tenancy*/",
"getterMethodName" : "getInstanceTenancy",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "InstanceTenancy",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "instanceTenancy",
    "uri" : false
},
"simple" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param
isDefault Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@return Indicates whether the VPC is the default VPC.
*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param
isDefault Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@return Indicates whether the VPC is the default VPC.
*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
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"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param
isDefault Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@return Indicates whether the VPC is the default VPC.
*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param
isDefault Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@return Indicates whether the VPC is the default VPC.
*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "InstanceTenancy",
"setterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@see Tenancy*/",
"setterMethodName" : "setInstanceTenancy",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC.</p>
@param
instanceTenancy The allowed tenancy of instances launched into the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see Tenancy*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceTenancy",
  "variableType" : "String",
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "IsDefault",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "isDefault",
"uri" : false
},
:idempotencyToken" : false,
:list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsDefault",
"setterDocumentation" : "/**\n@param isDefault Indicates whether the VPC is the default VPC.*/",
"setterMethodName" : "setIsDefault",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param isDefault Indicates whether the VPC is the default VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNamespaceUri" : null
},
"c2jName" : "Ipv6CidrBlockAssociationSet",
"c2jShape" : "VpcIpv6CidrBlockAssociationSet",
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.
@return Returns a reference to this object so that method calls can be chained together.*""
"fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
"getterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>*/
@return Information about the IPv6 CIDR blocks associated with the VPC.*"",
"getterMethodName" : "getIpv6CidrBlockAssociationSet",
"getterModel" : {
"returnType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockAssociationSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
"uri" : false
},
idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpcIpv6CidrBlockAssociation",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*"",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return *
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpcIpv6CidrBlockAssociation",
"documentation" : null
}.
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Item",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "item",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
    "variableName" : "member",
    "variableType" : "VpcIpv6CidrBlockAssociation",
    "documentation" : "",
    "simpleType" : "VpcIpv6CidrBlockAssociation",
    "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
    "variableName" : "member",
    "variableType" : "VpcIpv6CidrBlockAssociation",
    "documentation" : "",
    "simpleType" : "VpcIpv6CidrBlockAssociation",
    "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcIpv6CidrBlockAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<VpcIpv6CidrBlockAssociation>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the
VPC.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the
VPC.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : "",
"simpleType" : "List<VpcIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the IPv6 CIDR blocks associated with the
VPC.</p>
@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the
VPC.</p>
@param cidrBlock The IPv4

"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
"simpleType" : "List<VpcIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri" : null
}.
"membersAsMap" : {
"CidrBlock" : {
"c2jName" : "CidrBlock",
"c2jShape" : "String",
" depreciated" : false,
"documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@link #withIpv6CidrBlockAssociationSet(java.util.Collection) if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the VPC.</p>",
"simpleType" : "List<VpcIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
},
"xmlNameSpaceUri" : null
}.
"membersAsMap" : {
"CidrBlock" : {
"c2jName" : "CidrBlock",
"c2jShape" : "String",
" depreciated" : false,
CIDR block for the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together."/

"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/*/\n\n**\nThe IPv4 CIDR block for the VPC.\n\n\n@return The IPv4 CIDR block for the VPC.*/",

"getterMethodName" : "getCidrBlock",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "cidrBlock",
  "uri" : false
},

"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",

"setterDocumentation" : "*/\n\n**\nThe IPv4 CIDR block for the VPC.\n\n\n@param cidrBlock The IPv4 CIDR block for the VPC.*/",

"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/*/\n\n**\nThe IPv4 CIDR block for the VPC.\n\n\n@param cidrBlock The IPv4 CIDR block for the VPC.\n\n\n@return Returns a reference to this object so that method calls can be chained together."/"

"variable" : {
  "variableDeclarationType" : "String",

"variableName" : "cidrBlock",
"variableType" : "String",
"documentation" : "<p>The IPv4 CIDR block for the VPC.\</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DhcpOptionsId" : {
"c2jName" : "DhcpOptionsId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).\</p>\n@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDhcpOptionsId",
"getterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).\</p>\n@return The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC).*/",
"getterMethodName" : "getDhcpOptionsId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DhcpOptionsId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "dhcpOptionsId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DhcpOptionsId",
"setterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). */",
"setterMethodName" : "setDhcpOptionsId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>
@param dhcpOptionsId The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). 
@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dhcpOptionsId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). </p>
@return The ID of the set of DHCP options you've associated with the VPC (or <code>default</code> if the default options are associated with the VPC). 
@see Tenancy*/",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"InstanceTenancy" : {
  "c2jName" : "InstanceTenancy",
  "c2jShape" : "Tenancy",
  "deprecated" : false,
  "documentation" : "<p>The allowed tenancy of instances launched into the VPC. </p>
@see Tenancy*/",
  "enumType" : "Tenancy",
  "fluentSetterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC. </p>
@param instanceTenancy The allowed tenancy of instances launched into the VPC. 
@return Returns a reference to this object so that method calls can be chained together. */",
  "fluentSetterMethodName" : "withInstanceTenancy",
  "getterDocumentation" : "/**<p>The allowed tenancy of instances launched into the VPC. </p>
@see Tenancy*/",
  "getterMethodName" : "getInstanceTenancy",
  "getterModel" : {
    "returnType" : "String"}}}
**The allowed tenancy of instances launched into the VPC.**

@see Tenancy*/

```
@returns A reference to this object so that method calls can be chained together.
@see Tenancy*/
```

```
@returns A reference to this object so that method calls can be chained together.
@see Tenancy*/
```

```
@returns A reference to this object so that method calls can be chained together.
@see Tenancy*/
```
"Ipv6CidrBlockAssociationSet" : {
  "c2jName" : "Ipv6CidrBlockAssociationSet",
  "c2jShape" : "VpcIpv6CidrBlockAssociationSet",
  "deprecated" : false,
  "documentation" : "Information about the IPv6 CIDR blocks associated with the VPC.",
  "enumType" : null,
  "fluentSetterDocumentation" : "Information about the IPv6 CIDR blocks associated with the VPC.

  @return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "withIpv6CidrBlockAssociationSet",
  "getterDocumentation" : "Information about the IPv6 CIDR blocks associated with the VPC.

  @return Information about the IPv6 CIDR blocks associated with the VPC.
",
  "getterMethodName" : "getIpv6CidrBlockAssociationSet",
  "getterModel" : {
    "returnType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Ipv6CidrBlockAssociationSet",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ipv6CidrBlockAssociationSet",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : true,
  "listModel" : {
    "implType" : "com.amazonaws.internal.SdkInternalList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "c2jName" : "member",
      "c2jShape" : "VpcIpv6CidrBlockAssociation",
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "fluentSetterDocumentation" : "Returns a reference to this object so that method calls can be chained together.
",
      "fluentSetterMethodName" : "withMember",
      "getterDocumentation" : "",
      "getterMethodName" : "getMember",
    }
  }
}
"getterModel" : {
  "returnType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member \*/",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
  "variableName" : "member",
  "variableType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : "",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.\*/",
"variable" : {
  "variableDeclarationType" : "VpcIpv6CidrBlockAssociation",
  "variableName" : "member",
  "variableType" : "VpcIpv6CidrBlockAssociation",
  "documentation" : "",
  "simpleType" : "VpcIpv6CidrBlockAssociation",
  "variableSetterType" : "VpcIpv6CidrBlockAssociation"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : "item",
"memberType" : "VpcIpv6CidrBlockAssociation",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcIpv6CidrBlockAssociation",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"templateType" : "java.util.List<VpcIpv6CidrBlockAssociation>
",
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockAssociationSet",
"setterDocumentation" : "/**
\p.Information about the IPv6 CIDR blocks associated with the VPC.
\p.*/\n\n@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.*/",
"setterMethodName" : "setIpv6CidrBlockAssociationSet",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : "",
"simpleType" : "List<VpcIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
",
"simple" : false,
"varargSetterDocumentation" : "/**
\p.Information about the IPv6 CIDR blocks associated with the VPC.
\p.</p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setIpv6CidrBlockAssociationSet(java.util.Collection)} or {@link #withIpv6CidrBlockAssociationSet(java.util.Collection)} if you want to override the existing values.\p/>
\n@param ipv6CidrBlockAssociationSet Information about the IPv6 CIDR blocks associated with the VPC.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcIpv6CidrBlockAssociation>",
"variableName" : "ipv6CidrBlockAssociationSet",
"variableType" : "java.util.List<VpcIpv6CidrBlockAssociation>",
"documentation" : "\p.Information about the IPv6 CIDR blocks associated with the VPC.\p."
",
"simpleType" : "List<VpcIpv6CidrBlockAssociation>",
"variableSetterType" : "java.util.Collection<VpcIpv6CidrBlockAssociation>"
",
"xmlNameSpaceUri" : null
},
"IsDefault" : {
"c2jName" : "IsDefault",
"c2jShape" : "Boolean",
"deprecated" : false,
"documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
"complexType" : null,
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param isDefault
Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIsDefault",
"getterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@return Indicates whether the VPC is the default VPC.*/",
"getterMethodName" : "getIsDefault",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null}
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "IsDefault",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "isDefault",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "IsDefault",
"setterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param isDefault
Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIsDefault",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "isDefault",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPC is the default VPC.</p>
@param isDefault
Indicates whether the VPC is the default VPC.
@return Returns a reference to this object so that method
calls can be chained together. */

  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "isDefault",
    "variableType" : "Boolean",
    "documentation" : "<p>Indicates whether the VPC is the default VPC.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
  },
  "xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "VpcState",
  "deprecated" : false,
  "documentation" : "<p>The current state of the VPC.</p>",
  "enumType" : "VpcState",
  "fluentSetterDocumentation" : "/**<p>The current state of the VPC.</p><p>The current state of the VPC.</p>
  @param state The current state of the VPC.
  @return Returns a reference to this object so that method calls can be chained together.
  @see VpcState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/*<p>The current state of the VPC.</p><p>The current state of the VPC.</p>
  @return The current state of the VPC.
  @see VpcState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the VPC.</p>
@\param state The current state of the VPC.
@see VpcState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the VPC.</p>
@\param state The current state of the VPC.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcState*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the VPC.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the VPC.</p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
  \param tags Any tags assigned to the VPC.
  \return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
  \return Any tags assigned to the VPC.*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "flattened" : false,
    "xmlNameSpaceUri" : null
  }
}
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**
@n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPC.</p></n@param tags Any tags assigned to the VPC.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : ""
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>Any tags assigned to the VPC.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setTags(java.util.Collection)} or { @link #withTags(java.util.Collection)} if you want to override the existing values.</p>
@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the VPC.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>" 
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/*<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Vpc",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Vpc",
  "variableName" : "vpc",
  "variableType" : "Vpc",
  "documentation" : null,
  "simpleType" : "Vpc",
  "variableSetterType" : "Vpc"
},
"wrapper" : false
},
"VpcAttachment" : {
  "c2jName" : "VpcAttachment",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "\<p\>Describes an attachment between a virtual private gateway and a VPC.<\p\>\", 
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    { 
      "c2jName" : "VpcId",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "\<p\>The ID of the VPC.<\p\>\",
      "enumType" : null,
      "fluentSetterDocumentation" : "/\*\*<p\>The ID of the VPC.<\p\>
\n@param vpcId The ID of the VPC.<\p\>\n@return

Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withVpcId",
      "getterDocumentation" : "/\*\*<p\>The ID of the VPC.<\p\>
\n@return The ID of the VPC.<\p\>\n",
      "getterMethodName" : "getVpcId",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      },
      "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "VpcId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "vpcId",
        "uri" : false
      },
      "idempotencyToken" : false,
    },
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**\n@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null,
"c2jName" : "State",
"c2jShape" : "AttachmentStatus",
"deprecated" : false,
"documentation" : "<p>The current state of the attachment.</p>",
"enumType" : "AttachmentStatus",
"fluentSetterDocumentation" : "/**\n@param state The current state of the attachment.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**\n@return The current state of the attachment.
@see AttachmentStatus*/",
"getterMethodName" : "getState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/*\n<p>The current state of the attachment.</p>
@param state The current state of the attachment.\n@see AttachmentStatus*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n<p>The current state of the attachment.</p>
@param state The current state of the attachment.\n@return Returns a reference to this object so that method calls can be chained together.\n@see AttachmentStatus*/",
"variable" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The current state of the attachment.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"State" : {
  "c2jName" : "State",
  "c2jShape" : "AttachmentStatus",
  "deprecated" : false,
  "documentation" : "<p>The current state of the attachment.</p>"},
"enumType": "AttachmentStatus",
"fluentSetterDocumentation": "/**<p>The current state of the attachment.</p>
@\param state The current state of the attachment.
@return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"fluentSetterMethodName": "withState",
"getterDocumentation": "/**<p>The current state of the attachment.</p>
@\param state The current state of the attachment.
@\return The current state of the attachment.
@see AttachmentStatus*/",
"getterMethodName": "getState",
"getterModel": {
   "returnType": "String",
   "documentation": null
},
"http": {
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   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
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   "statusCode": false,
   "unmarshallLocationName": "state",
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**<p>The current state of the attachment.</p>
@\param state The current state of the attachment.
@\return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/",
"setterMethodName": "setState",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "state",
   "variableType": "String",
   "documentation": "",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The current state of the attachment.</p>
@\param state The current state of the attachment.
@\return Returns a reference to this object so that method calls can be chained together.
@see AttachmentStatus*/"
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The current state of the attachment.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"VpcId" : {
    "c2jName" : "VpcId",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<p>The ID of the VPC.</p>
@return
Returns a reference to this object so that method calls can be chained together.*/",
    "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.</p>*/",
    "getterMethodName" : "getVpcId",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallILocationName" : "VpcId",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallILocationName" : "vpcId",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "VpcId",
    "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@<p>The ID of the VPC.</p>
@return
Sets the ID of the VPC.*/",
    "setterMethodName" : "setVpcId"
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
*\n*\n@\n*\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcAttachment",
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
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    "variableName" : "vpcAttachment",
    "variableType" : "VpcAttachment",
    "documentation" : null,
    "simpleType" : "VpcAttachment",
    "variableSetterType" : "VpcAttachment"
},
"wrapper" : false
},
"VpcAttributeName" : {
    "c2jName" : "VpcAttributeName",
    "customization" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false
    }
}
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "EnableDnsSupport",
  "value" : "enableDnsSupport"
}, {
  "name" : "EnableDnsHostnames",
  "value" : "enableDnsHostnames"
} ],
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcAttributeName",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VpcAttributeName",
  "variableName" : "vpcAttributeName",
  "variableType" : "VpcAttributeName",
  "documentation" : null,
  "simpleType" : "VpcAttributeName",
  "variableSetterType" : "VpcAttributeName"
},
"wrapper" : false,
"VpcCidrBlockState" : {
  "c2jName" : "VpcCidrBlockState",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes the state of a CIDR block.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": [  
  {  
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    "c2jShape": "VpcCidrBlockStateCode",
    "deprecated": false,
    "documentation": "<p>The state of the CIDR block.</p>",
    "enumType": "VpcCidrBlockStateCode",
    "fluentSetterDocumentation": "/**<p>The state of the CIDR block.</p><br/>@param state The state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see VpcCidrBlockStateCode*/",
    "fluentSetterMethodName": "withState",
    "getterDocumentation": "/**<p>The state of the CIDR block.</p><br/>@return The state of the CIDR block.<br/>
@see VpcCidrBlockStateCode*/",
    "getterMethodName": "getState",
    "getterModel": {  
      "returnType": "String",
      "documentation": null  
    },
    "http": {  
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocationName": "State",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "state",
      "uri": false  
    },
    "idempotencyToken": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "name": "State",
    "setterDocumentation": "/**<p>The state of the CIDR block.</p><br/>@param state The state of the CIDR block.
@see VpcCidrBlockStateCode*/",
    "setterMethodName": "setState",
    "setterModel": {  
      "variableDeclarationType": "String",
      "variableName": "state"}  
  }  
]
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\p> The state of the CIDR block.\n@returns A reference to this object so that method calls can be chained together.\n@see VpcCidrBlockStateCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "StatusMessage",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>\n@returns A reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withStatusMessage",
  "getterDocumentation" : "/**<p>A message about the status of the CIDR block, if applicable.</p>\n@returns A message about the status of the CIDR block, if applicable.*/",
  "getterMethodName" : "getStatusMessage",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "StatusMessage",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "StatusMessage",
    "xmlNameSpaceUri" : null
  },
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StatusMessage",
"setterDocumentation" : "/*\p>A message about the status of the CIDR block, if applicable.*/",
"setterMethodName" : "setStatusMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\p>A message about the status of the CIDR block, if applicable.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "statusMessage",
  "variableType" : "String",
  "documentation" : "A message about the status of the CIDR block, if applicable.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see VpcCidrBlockStateCode*/",
  "variableSetterType" : "String",
  "xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "State" : {
    "c2jName" : "State",
    "c2jShape" : "VpcCidrBlockStateCode",
    "deprecated" : false,
    "documentation" : "<p>The state of the CIDR block.\n@see VpcCidrBlockStateCode*/",
    "enumType" : "VpcCidrBlockStateCode",
    "fluentSetterDocumentation" : "/*<p>The state of the CIDR block.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see VpcCidrBlockStateCode*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/*<p>The state of the CIDR block.\n@returns The state of the CIDR block.\n@see VpcCidrBlockStateCode*/",
    "getterMethodName" : "getState",
    "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "state",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**
 * The state of the CIDR block.
 * @param state The state of the CIDR block.
 * @see VpcCidrBlockStateCode*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
 * The state of the CIDR block.
 * @param state The state of the CIDR block.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see VpcCidrBlockStateCode*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The state of the CIDR block.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "statusMessage",
    "variableType" : "String",
    "documentation" : "<p>A message about the status of the CIDR block, if applicable.</p>
    "@param statusMessage A message about the status of the CIDR block, if applicable.
    "@return
    Returns a reference to this object so that method calls can be chained together.*"},
    "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
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"unmarshaller" : {
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    "resultWrapper" : null
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"variable" : {
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    "documentation" : null,
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    "variableSetterType" : "VpcCidrBlockState"
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"VpcCidrBlockStateCode" : {
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        "skipGeneratingUnmarshaller" : false
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    "documentation" : "",
    "enums" : {
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        "value" : "associating"
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"enums" : null,
"errorCode" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
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  @return Returns a reference to this object so that method calls can be chained together.*/",
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  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
  @return The ID of the VPC.*/",
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    "greedy" : false,
    "header" : false,
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    "isStreaming" : false,
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  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
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  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"documentation" : "<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
"enumType" : null,
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@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withClassicLinkEnabled",
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@return Indicates whether the VPC is enabled for ClassicLink.*/",
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  "documentation" : "",
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"fluentSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>\n@param
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;
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>\n@paramref
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@return Returns a reference to this object so that
method calls can be chained together */",
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"getterDocumentation": "/**
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*/",
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"documentation": null
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*/",
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@return Returns a reference to this object so that
method calls can be chained together */",
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@return *
*/",
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"documentation": null
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"setterModel" : {
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  "variableName" : "member",
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  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"simple" : false,
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@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableName" : "member",
  "variableType" : "Tag",
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  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"memberType" : "Tag",
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"sendEmptyQueryString" : false,
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"templateType" : "java.util.List<Tag>
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  "variableName": "tags",
  "variableType": "java.util.List<Tag>",
  "documentation": "",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"}
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"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the VPC.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use [{@link #setTags(java.util.Collection)} or {@link #withTags(java.util.Collection)}] if you want to override the existing values.\n@param tags Any tags assigned to the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable": {
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  "documentation": "<p>Any tags assigned to the VPC.</p>",
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"}
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"xmlNameSpaceUri": null
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    "c2jShape": "Boolean",
    "deprecated": false,
    "documentation": "<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>\n@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
    "fluentSetterMethodName": "withClassicLinkEnabled",
    "getterDocumentation": "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>\n@return Indicates whether the VPC is enabled for ClassicLink.*\*/",
    "getterMethodName": "getClassicLinkEnabled",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
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      "additionalUnmarshallingPath": null
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  }
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
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"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ClassicLinkEnabled",
"setterDocumentation" : "/**<p>Indicates whether the VPC is enabled for ClassicLink.</p>
@param classicLinkEnabled Indicates whether the VPC is enabled for ClassicLink.</p>*/",
"setterMethodName" : "setClassicLinkEnabled",
"setterModel" : {
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  "variableName" : "classicLinkEnabled",
  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
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"variable" : {
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  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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  "c2jShape" : "TagList",
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  "documentation" : "<p>Any tags assigned to the VPC.</p>"}
"enumType": null,
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@param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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"getterDocumentation": "/**
Any tags assigned to the VPC.
@return Any tags assigned to the VPC.*/",
"getterMethodName": "getTags",
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  "documentation": null
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  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "unmarshallLocationName": "tagSet",
  "uri": false
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  "interfaceType": "java.util.List",
  "listMemberModel": {
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@return Returns a reference to this object so that method calls can be chained together.*/",
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    "getterDocumentation": "/**
@return */",
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      "statusCode": false,
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"vargSetterDocumentation" : "/**
@param member
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"xmlNameSpaceUri" : null
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"templateType" : "java.util.List<Tag>"
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"setterMethodName" : "setTags",
"setterModel" : {
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  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the VPC.</p>
@<param tags Any tags assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the VPC.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
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"xmlNameSpaceUri" : null
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"VpcId" : {
  "c2jName" : "VpcId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC.</p>
@<return The ID of the VPC.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
    "returnType" : "String",
  },
  "map" : false,
  "mapModel" : null,
  "name" : "VpcId",
  "setterDocumentation" : "/**<p>The ID of the VPC.</p>
@<param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpcId",
  "setterModel" : {
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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
  },
  "simple" : false,
  "varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@<param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableName" : "tags",
    "variableType" : "java.util.List<Tag>",
    "documentation" : "<p>Any tags assigned to the VPC.</p>",
    "simpleType" : "List<Tag>",
    "variableSetterType" : "java.util.Collection<Tag>"
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  "xmlNameSpaceUri" : null
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"VpnGateways" : {
  "c2jName" : "VpnGateways",
  "c2jShape" : "com.amazonaws.services.ec2.model.VpnGatewaySummary",
  "defaultValue" : null,
  "documentation" : "The VPC's VpnGateways.<p>Default: none</p>
@<param VpnGateways A list of VpnGateways assigned to the VPC.*/",
  "getterDocumentation" : "/**<p>A list of VpnGateways assigned to the VPC.</p>
@<return A list of VpnGateways assigned to the VPC.*/",
  "getterMethodName" : "getVpnGateways",
  "getterModel" : {
    "returnType" : "java.util.List<com.amazonaws.services.ec2.model.VpnGatewaySummary>",
    "variableDeclarationType" : "com.amazonaws.services.ec2.model.VpnGatewaySummary",
    "variableName" : "vpcGateway",
    "variableType" : "com.amazonaws.services.ec2.model.VpnGatewaySummary",
    "documentation" : "A list of VpnGateways assigned to the VPC.
<i>Default: none</i>"
  },
  "map" : false,
  "mapModel" : null,
  "name" : "VpnGateways",
  "setterDocumentation" : "/**<p>A list of VpnGateways assigned to the VPC.</p>
@<param VpnGateways A list of VpnGateways assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setVpnGateways",
  "setterModel" : {
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    "variableName" : "vpcGateway",
    "variableType" : "com.amazonaws.services.ec2.model.VpnGatewaySummary",
    "documentation" : "A list of VpnGateways assigned to the VPC.
<i>Default: none</i>"
  },
  "simple" : false,
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@<param VpnGateways A list of VpnGateways assigned to the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "com.amazonaws.services.ec2.model.VpnGatewaySummary",
    "documentation" : "A list of VpnGateways assigned to the VPC.
<i>Default: none</i>"
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "VpcClassicLink"
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  "deprecated" : false,
  "documentation" : "<p>Describes a VPC endpoint.</p>",
  "enums" : null,
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      "getterDocumentation" : "/*<p>The ID of the VPC endpoint.</p>\n@return The ID of the VPC endpoint.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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@param vpcId The ID of the VPC to which the endpoint is associated.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return The ID of the VPC to which the endpoint is associated.*/",
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  "documentation" : null
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  "isPayload" : false,
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@param vpcId The ID of the VPC to which the endpoint is associated. */",
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  "variableName" : "vpcId",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated. */"
vpcId The ID of the VPC to which the endpoint is associated.

@return Returns a reference to this object so that method calls can be chained together. */

    
    

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    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;The name of the AWS service to which the endpoint is associated.&lt;/p&gt;\n    @param serviceName The name of the AWS service to which the endpoint is associated.\n    @return The name of the AWS service to which the endpoint is associated.\*/",
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    "getterDocumentation" : "/**&lt;p&gt;The name of the AWS service to which the endpoint is associated.&lt;/p&gt;\n    @return The name of the AWS service to which the endpoint is associated.\*/",
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        "documentation" : null
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        "queryString" : false,
        "statusCode" : false,
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@param serviceName The name of the AWS service to which the endpoint is associated.*/",
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  "variableSetterType": "String"
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"varargSetterDocumentation": "/**\n<p>The name of the AWS service to which the endpoint is associated.</p>
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  "simpleType": "String",
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"xmlNameSpaceUri": null
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"fluentSetterDocumentation": "/**\n<p>The state of the VPC endpoint.</p>
@param state The state of the VPC endpoint.\n@return Returns a reference to this object so that method calls can be chained together.\n@see State*/",
"fluentSetterMethodName": "withState",
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  "documentation": null
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"mapModel" : null,
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@see State*/",
"setterMethodName" : "setState",
"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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@param state The state of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see State*/",
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  "variableType" : "String",
  "documentation" : "The state of the VPC endpoint.<p>
  
  @see State*/",
  "simpleType" : "String",
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"xmlnsNameSpaceUri" : null
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"c2jName" : "PolicyDocument",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "The policy document associated with the endpoint.
  
  @see PolicyDocument The policy document associated with the endpoint.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see withPolicyDocument",
"fluuentSetterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
  
  @param policyDocument The policy document associated with the endpoint.
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see withPolicyDocument",
"fluuentSetterMethodName" : "withPolicyDocument"
"getterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@return The policy document associated with the endpoint.*"/

"getterMethodName" : "getPolicyDocument",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "statusCode" : false,
  "unmarshallLocationName" : "policyDocument",
  "uri" : false
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param policyDocument The policy document associated with the endpoint.*"/

"setterMethodName" : "setPolicyDocument",
"setterModel" : {
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  "variableName" : "policyDocument",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param policyDocument The policy document associated with the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*"/

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"enumType" : null,
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@\param routeTableIds One or more route tables associated with the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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 "documentation" : null
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 "greedy" : false,
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 "isStreaming" : false,
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 "c2jName" : "member",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**\n@\param member \n@return Returns a reference to this object so that
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"getterDocumentation" : "/**
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"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
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"memberLocationName" : "item",
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"templateType" : "java.util.List<String>",
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},
"map" : false,
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"name" : "RouteTableIds",
"setterDocumentation" : /**<p>One or more route tables associated with the endpoint.</p>
@param routeTableIds One or more route tables associated with the endpoint.*/
"setterMethodName" : "setRouteTableIds",
"setterModel" : {

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"variableName" : "routeTableIds",
"variableType" : "java.util.List<String>",
"documentation" : "",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
",
"simple" : false,
"varargSetterDocumentation" : /**<p>One or more route tables associated with the endpoint.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use {@link #setRouteTableIds(java.util.Collection)} or {@link #withRouteTableIds(java.util.Collection)} if you want to override the existing values.</p>
@param routeTableIds One or more route tables associated with the endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/
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"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
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"variableType" : "java.util.List<String>",
"documentation" : "<p>One or more route tables associated with the endpoint.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
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"xmlNameSpaceUri" : null",
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"deprecated" : false,
"documentation" : "The date and time the VPC endpoint was created."
"enumType" : null,
"fluentSetterDocumentation" : "The date and time the VPC endpoint was created.
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together.
",
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"getterDocumentation" : "The date and time the VPC endpoint was created.
@return The date and time the VPC endpoint was created.
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"getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "unmarshallLocationName" : "creationTimestamp",
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "The date and time the VPC endpoint was created.
@param creationTimestamp The date and time the VPC endpoint was created.
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"setterModel" : {
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  "variableName" : "creationTimestamp",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "The date and time the VPC endpoint was created.
@param creationTimestamp The date and time the VPC endpoint was created.
"
creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together. */

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        "variableType" : "java.util.Date",
        "documentation" : "<p>The date and time the VPC endpoint was created.</p>",
        "simpleType" : "Date",
        "variableSetterType" : "java.util.Date"
    },
    "xmlNameSpaceUri" : null
}]
"membersAsMap" : {
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        "c2jShape" : "DateTime",
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        "documentation" : "<p>The date and time the VPC endpoint was created.</p>",
        "enumType" : null,
        "fluentSetterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@param creationTimestamp The date and time the VPC endpoint was created.
@return Returns a reference to this object so that method calls can be chained together. */",
        "fluentSetterMethodName" : "withCreationTimestamp",
        "getterDocumentation" : "/**<p>The date and time the VPC endpoint was created.</p>
@return The date and time the VPC endpoint was created.*/",
        "getterMethodName" : "getCreationTimestamp",
        "getterModel" : {
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            "documentation" : null
        }
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
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        "marshallLocationName" : "CreationTimestamp",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "creationTimestamp",
        "uri" : false
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    "list" : false,
    "listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CreationTimestamp",
"setterDocumentation" : "/**<p>The date and time the VPC endpoint was created.<p>\n@param creationTimestamp The date and time the VPC endpoint was created.*/",
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"setterModel" : {
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  "variableName" : "creationTimestamp",
  "variableType" : "java.util.Date",
  "documentation" : "",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The date and time the VPC endpoint was created.<p>\n@param creationTimestamp The date and time the VPC endpoint was created.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableType" : "java.util.Date",
  "documentation" : "<p>The date and time the VPC endpoint was created.</p>",
  "simpleType" : "Date",
  "variableSetterType" : "java.util.Date"
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},
"PolicyDocument" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The policy document associated with the endpoint.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param policyDocument The policy document associated with the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withPolicyDocument",
  "getterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
\n@return The policy document associated with the endpoint.*/",
  "getterMethodName" : "getPolicyDocument",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
  },
  "name" : "PolicyDocument",
  "nameModel" : null,
  "setterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param policyDocument The policy document associated with the endpoint.\n@return Returns a reference to this object so that method calls can be chained together.*/",
  "setterMethodName" : "setPolicyDocument",
  "setterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "xmlNameSpaceUri" : null
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"greedy" : false,
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "policyDocument",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PolicyDocument",
"setterDocumentation" : "/**<p>The policy document associated with the endpoint.</p>
@param
policyDocument The policy document associated with the endpoint.*"/
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"setterModel" : {
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  "variableName" : "policyDocument",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/*<p>The policy document associated with the endpoint.*
\n@param
policyDocument The policy document associated with the endpoint.\n\n@return Returns a reference to this object so that method calls can be chained together.*"/
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"variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The policy document associated with the endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"RouteTableIds" : {
  "c2jName" : "RouteTableIds",
  "c2jShape" : "ValueStringList",
  "deprecated" : false,
  "documentation" : "<p>One or more route tables associated with the endpoint.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>One or more route tables associated with the endpoint.</p>@param routeTableIds One or more route tables associated with the endpoint.@return Returns a reference to this object so that method calls can be chained together.@*/",
"fluentSetterMethodName" : "withRouteTableIds",
"getterDocumentation" : "/**<p>One or more route tables associated with the endpoint.</p>@return One or more route tables associated with the endpoint.*/",
"getterMethodName" : "getRouteTableIds",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routeTableIdSet",
  "uri" : false
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"idempotencyToken" : false,
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
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    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**@param member @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {

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"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"name" : "RouteTableIds",
"setterDocumentation" : "/**
\nOne or more route tables associated with the endpoint.
\n@\nrouteTableIds One or more route tables associated with the endpoint.*/",
"setterMethodName" : "setRouteTableIds",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
}
"simple" : false,
"varargSetterDocumentation" : "/**
\nOne or more route tables associated with the endpoint.
\nNOTE: This method appends the values to the existing list (if any). Use {@link #setRouteTableIds(java.util.Collection)} or {@link #withRouteTableIds(java.util.Collection)} if you want to override the existing values.

@\nrouteTableIds One or more route tables associated with the endpoint.
\n@\nreturn Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<String>",
  "variableName" : "routeTableIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "One or more route tables associated with the endpoint."
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
  "xmlNameSpaceUri" : null
},
"ServiceName" : {
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "The name of the AWS service to which the endpoint is associated."
  "enumType" : null,
  "fluentSetterDocumentation" : "/**
\nThe name of the AWS service to which the endpoint is associated.
\n@\nserviceName The name of the AWS service to which the endpoint is associated.
\n@\nreturn Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withServiceName",
  "getterDocumentation" : "/**
\nThe name of the AWS service to which the endpoint is associated.*/",
@return The name of the AWS service to which the endpoint is associated.

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"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "serviceName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "The name of the AWS service to which the endpoint is associated."
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
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"State" : {
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"c2jShape" : "State",
"deprecated" : false,
"documentation" : "&lt;p&gt;The state of the VPC endpoint.&lt;/p&gt;",
"enumType" : "State",
"fluentSetterDocumentation" : "/**&lt;p&gt;The state of the VPC endpoint.&lt;/p&gt;\n@param state The state of the VPC endpoint\n@return Returns a reference to this object so that method calls can be chained together\n@see State*/",
"fluentSetterMethodName" : "withState",
"getterDocumentation" : "/**&lt;p&gt;The state of the VPC endpoint.&lt;/p&gt;\n@return The state of the VPC endpoint\n@see State*/",
"getterMethodName" : "getState",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**&lt;p&gt;The state of the VPC endpoint.&lt;/p&gt;\n@param state The state of the VPC endpoint\n@return Returns a reference to this object so that method calls can be chained together\n@see State*/",
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"variableName" : "state",
"variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "",
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"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* The state of the VPC endpoint.
* @param state The state of the VPC endpoint.
* @return Returns a reference to this object so that method calls can be chained together.
* @see State*/",
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  "variableType" : "String",
  "documentation" : "<p>The state of the VPC endpoint.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC endpoint.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**\n* The ID of the VPC endpoint.
* @param vpcEndpointId The ID of the VPC endpoint.
* @return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withVpcEndpointId",
  "getterDocumentation" : "/**\n* The ID of the VPC endpoint.
* @return The ID of the VPC endpoint.
*/",
  "getterMethodName" : "getVpcEndpointId",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "VpcEndpointId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcEndpointId",
    "uri" : false
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcEndpointId",
"setterDocumentation" : "/**<p>The ID of the VPC endpoint.</p>
@param vpcEndpointId The ID of the VPC endpoint.*/",
"setterMethodName" : "setVpcEndpointId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcEndpointId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC endpoint.</p>
@param vpcEndpointId The ID of the VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "vpcEndpointId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC to which the endpoint is associated.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVpcId",
  "getterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@return The ID of the VPC to which the endpoint is associated.*/",
  "getterMethodName" : "getVpcId",
  "getterModel" : {
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    "documentation" : null
  }
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "vpcId",
    "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated.</n>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setVpcId",
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    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC to which the endpoint is associated.</p>
@param vpcId The ID of the VPC to which the endpoint is associated.</n>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the VPC to which the endpoint is associated.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"required" : null,
"shapeName" : "VpcEndpoint",
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "vpcEndpoint",
  "variableType" : "VpcEndpoint",
  "documentation" : null,
  "simpleType" : "VpcEndpoint",
  "variableSetterType" : "VpcEndpoint"
},
"wrapper" : false
},
"VpcIpv6CidrBlockAssociation" : {
  "c2jName" : "VpcIpv6CidrBlockAssociation",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes an IPv6 CIDR block associated with a VPC.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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      "c2jName" : "Ipv6CidrBlock",
      "c2jShape" : "String",
      "deprecated" : false,
      "documentation" : "<p>The IPv6 CIDR block.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@returns {string} The IPv6 CIDR block.*/",
      "fluentSetterMethodName" : "withIpv6CidrBlock",
      "getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@returns {string} The IPv6 CIDR block.*/",
      "getterMethodName" : "getIpv6CidrBlock",
      "getterModel" : {
        "returnType" : "String",
        "documentation" : null
      }
    }
  ]
}
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Ipv6CidrBlock",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlock",
  "uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlock",
"setterDocumentation" : "/**\n * The IPv6 CIDR block.
 */
@\n@param ipv6CidrBlock The IPv6 CIDR block.*/",
"setterMethodName" : "setIpv6CidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"varargSetterDocumentation" : "/**\n * The IPv6 CIDR block.
 */\n@\n@param ipv6CidrBlock The IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "ipv6CidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"c2jName" : "Ipv6CidrBlockState",
"c2jShape" : "VpcCidrBlockState"
"deprecated" : false,
"documentation" : "<p>Information about the state of the CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlockState",
"getterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@return Information about the state of the CIDR block.*/",
"getterMethodName" : "getIpv6CidrBlockState",
"getterModel" : {
"returnType" : "VpcCidrBlockState",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockState",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockState",
"uri" : false
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"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockState",
"setterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
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"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
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"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
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"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
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"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
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"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p>
@param
ipv6CidrBlockState Information about the state of the CIDR block.
@return Returns a reference to this object so that method calls can be chained together.*/
"setterMethodname" : "setIpv6CidrBlockState",
"setterModel" : {
"variableDeclarationType" : "VpcCidrBlockState",
"variableName" : "ipv6CidrBlockState",
"variableType" : "VpcCidrBlockState",
"documentation" : "",
"simpleType" : "VpcCidrBlockState",
"variableSetterType" : "VpcCidrBlockState"
},
"simple" : false,
ipv6CidrBlockState Information about the state of the CIDR block.

@return Returns a reference to this object so that method calls can be chained together.*/",
    "variable" : {
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        "variableName" : "ipv6CidrBlockState",
        "variableType" : "VpcCidrBlockState",
        "documentation" : "<p>Information about the state of the CIDR block.</p>",
        "simpleType" : "VpcCidrBlockState",
        "variableSetterType" : "VpcCidrBlockState"
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    "xmlNameSpaceUri" : null
},

"c2jName" : "AssociationId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The association ID for the IPv6 CIDR block.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>The association ID for the IPv6 CIDR block.</p>\n\n@param associationId The association ID for the IPv6 CIDR block.\n\n@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withAssociationId",
    "getterDocumentation" : "/**\n<p>The association ID for the IPv6 CIDR block.</p>\n\n@return The association ID for the IPv6 CIDR block.*/",
    "getterMethodName" : "getAssociationId",
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        "documentation" : null
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        "greedy" : false,
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        "statusCode" : false,
        "unmarshallLocationName" : "associationId",
        "uri" : false
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    "list" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "associationId",
    "uri" : false
}
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"setterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block.</p>*/",
"setterMethodName" : "setAssociationId",
"setterModel" : {
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  "variableName" : "associationId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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"simpleType" : "String",
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    "documentation" : "<p>The association ID for the IPv6 CIDR block.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId The association ID for the IPv6 CIDR block.<p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
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    "getterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@return The association ID for the IPv6 CIDR block.</p>",
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    "http" : {
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The association ID for the IPv6 CIDR block.

```java
"setterDocumentation" : "/**<p>The association ID for the IPv6 CIDR block.</p>
@param associationId
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableSetterType" : "String"
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  "deprecated" : false,
  "documentation" : "<p>The IPv6 CIDR block.</p>",
  "enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@param ipv6CidrBlock The IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withIpv6CidrBlock",
"getterDocumentation" : "/**<p>The IPv6 CIDR block.</p>
@return The IPv6 CIDR block.*/",
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  "documentation" : null
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  "statusCode" : false,
  "unmarshallLocationName" : "ipv6CidrBlock",
  "uri" : false
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@param ipv6CidrBlock The IPv6 CIDR block.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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"setterModel" : {
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"documentation" : "<p>The IPv6 CIDR block.</p>",
"simpleType" : "String",
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"Ipv6CidrBlockState" : {
"c2jName" : "Ipv6CidrBlockState",
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"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the state of the CIDR block.</p> */\n@param ipv6CidrBlockState Information about the state of the CIDR block.\n@return Returns a reference to this object so that method calls can be chained together. */",
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"getterDocumentation" : "/**<p>Information about the state of the CIDR block.</p> */\n@return Information about the state of the CIDR block.*/",
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"uri" : false
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"varargSetterDocumentation": "/**
* Information about the state of the CIDR block.
* @param
* ipv6CidrBlockState Information about the state of the CIDR block.
* @return Returns a reference to this object so that method calls can be chained together.*/",
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"documentation": null,
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"variableSetterType": "VpcIpv6CidrBlockAssociation"
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"skipGeneratingUnmarshaller": false
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"enums": null,
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"hasStatusCodeMember": false,
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            "enumType": null,
            "fluentSetterDocumentation": "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>
@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
            "fluentSetterMethodName": "withAccepterVpcInfo",
            "getterDocumentation": "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>
@return Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*/",
            "getterMethodName": "getAccepterVpcInfo",
            "getterModel": {
                "returnType": "VpcPeeringConnectionVpcInfo",
                "documentation": null
            }
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        "http": {
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            "greedy": false,
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            "isStreaming": false,
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"list" : false,
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@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*/",
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    "variableType" : "VpcPeeringConnectionVpcInfo",
    "documentation" : "",
    "simpleType" : "VpcPeeringConnectionVpcInfo",
    "variableSetterType" : "VpcPeeringConnectionVpcInfo"
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"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>
@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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    "documentation" : "<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>",
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"c2jShape" : "DateTime",
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"documentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>"
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The time that an unaccepted VPC peering connection will expire.</p>@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withExpirationTime",
"getterDocumentation" : "/**<p>The time that an unaccepted VPC peering connection will expire.</p>
@return The time that an unaccepted VPC peering connection will expire.*/",
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"map" : false,
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@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setExpirationTime",
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"variableName" : "expirationTime",
"variableType" : "java.util.Date",
"documentation" : "",
"simpleType" : "Date",
"variableSetterType" : "java.util.Date"
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"simple" : true,
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@return Returns a reference to this object so that method calls can be chained together.*/"
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"c2jName" : "RequesterVpcInfo",
"c2jShape" : "VpcPeeringConnectionVpcInfo",
"deprecated" : false,
"documentation" : "<p>Information about the requester VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the requester VPC.</p><p>@param requesterVpcInfo</p><p>Information about the requester VPC.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
"fluentSetterMethodName" : "withRequesterVpcInfo",
"getterDocumentation" : "/**<p>Information about the requester VPC.</p><p>@return Information about the requester VPC.</p>*/",
"getterMethodName" : "getRequesterVpcInfo",
"getterModel" : {
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  "documentation" : null
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"list" : false,
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"map" : false,
"mapModel" : null,
"name" : "RequesterVpcInfo",
"setterDocumentation" : "/**<p>Information about the requester VPC.</p><p>@param requesterVpcInfo"
Information about the requester VPC.*/

/** Information about the requester VPC.*/
@param requesterVpcInfo
@return Returns a reference to this object so that method calls can be chained together.*/

/** The status of the VPC peering connection.*/
@param status
@return The status of the VPC peering connection.

/** The status of the VPC peering connection.*/
@param status
@return The status of the VPC peering connection.

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@param status The status of the VPC peering connection.*/",
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@return Returns a reference to this object so that method calls can be chained together.*/",
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"enumType": null,
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@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : null
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    "c2jShape" : "Tag",
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    "enumType" : null,
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    "getterDocumentation" : "/**\n* @return */",
    "getterMethodSignature" : "getMember",
    "getterModel" : {
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      "documentation" : null
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      "greedy" : false,
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      "isStreaming" : false,
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  "variableSetterType": "Tag"
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"simple": false,
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@return Returns a reference to this object so that
method calls can be chained together. */",
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  "variableType": "Tag",
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  "variableSetterType": "Tag"
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"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType": "java.util.List<Tag>"}
"map": false,
"mapModel": null,
"name": "Tags",
"setterDocumentation": "/**<p>Any tags assigned to the resource.</p>*/
@param tags Any tags assigned to the resource.

"setterMethodName": "setTags",
"setterModel": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName": "tags",
    "variableType": "java.util.List<Tag>",
    "documentation": "",
    "simpleType": "List<Tag>",
    "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"varargSetterDocumentation": "/**<p>Any tags assigned to the resource.</p>*/
@param tags Any tags assigned to the resource.

<b>NOTE:</b> This method appends the values to the existing list (if any). Use [link #setTags(java.util.Collection)] or [link #withTags(java.util.Collection)] if you want to override the existing values.

"variable": {
    "variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Tag>",
    "variableName": "tags",
    "variableType": "java.util.List<Tag>",
    "documentation": "<p>Any tags assigned to the resource.</p>",
    "simpleType": "List<Tag>",
    "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
},

"c2jName": "VpcPeeringConnectionId",
"c2jShape": "String",
"deprecated": false,
"documentation": "The ID of the VPC peering connection.

@param vpcPeeringConnectionId The ID of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterDocumentation": "/**<p>The ID of the VPC peering connection.</p>*/
@param vpcPeeringConnectionId The ID of the VPC peering connection.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "withVpcPeeringConnectionId",
"getterDocumentation": "/**<p>The ID of the VPC peering connection.</p>*/
@return The ID of the VPC peering connection.

"getterMethodName": "getVpcPeeringConnectionId",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcPeeringConnectionId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.*\*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param vpcPeeringConnectionId The ID of the VPC peering connection.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcPeeringConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
  "AccepterVpcInfo" : {
    "c2jName" : "AccepterVpcInfo",
    "c2jShape" : "VpcPeeringConnectionVpcInfo",
    "deprecated" : false,
Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.

Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state. Returns a reference to this object so that method calls can be chained together.

Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.

Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.

Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.*/

setterMethodName" : "setAccepterVpcInfo",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
  "variableName" : "accepterVpcInfo",
  "variableType" : "VpcPeeringConnectionVpcInfo",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnectionVpcInfo",
  "variableSetterType" : "VpcPeeringConnectionVpcInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>*/
@param accepterVpcInfo Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/

variable" : {
  "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
  "variableName" : "accepterVpcInfo",
  "variableType" : "VpcPeeringConnectionVpcInfo",
  "documentation" : "<p>Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.</p>",
  "simpleType" : "VpcPeeringConnectionVpcInfo",
  "variableSetterType" : "VpcPeeringConnectionVpcInfo"
},
"xmlNameSpaceUri" : null
},
"ExpirationTime" : {
  "c2jName" : "ExpirationTime",
  "c2jShape" : "DateTime",
  "deprecated" : false,
  "documentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The time that an unaccepted VPC peering connection will expire.</p>*/
@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withExpirationTime",
  "getterDocumentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>
@getter
@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return The time that an unaccepted VPC peering connection will expire.
"getterMethodName" : "getExpirationTime",
"getterModel" : {
  "returnType" : "java.util.Date",
  "documentation" : null
}.
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "ExpirationTime",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "expirationTime",
    "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "ExpirationTime",
"setterDocumentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>
@param expirationTime The time that an unaccepted VPC peering connection will expire.*/",
"setterMethodName" : "setExpirationTime",
"setterModel" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "expirationTime",
    "variableType" : "java.util.Date",
    "documentation" : "",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"simple" : true,
"varargSetterDocumentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>
@param expirationTime The time that an unaccepted VPC peering connection will expire.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "java.util.Date",
    "variableName" : "expirationTime",
    "variableType" : "java.util.Date",
    "documentation" : "<p>The time that an unaccepted VPC peering connection will expire.</p>",
    "simpleType" : "Date",
    "variableSetterType" : "java.util.Date"
},
"xmlNameSpaceUri" : null
},
"RequesterVpcInfo" : {
    "c2jName" : "RequesterVpcInfo",}
"c2jShape" : "VpcPeeringConnectionVpcInfo",
"deprecated" : false,
"documentation" : "<p>Information about the requester VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "*/\n@<p>Information about the requester VPC.*/\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRequesterVpcInfo",
"getterDocumentation" : "*/\n@<p>Information about the requester VPC.*/\n@return Information about the requester VPC.*/",
"getterMethodName" : "getRequesterVpcInfo",
"getterModel" : {
"returnType" : "VpcPeeringConnectionVpcInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "RequesterVpcInfo",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "requesterVpcInfo",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "RequesterVpcInfo",
"setterDocumentation" : "*/\n@<p>Information about the requester VPC.*/\n@param requesterVpcInfo Information about the requester VPC.*/",
"setterMethodName" : "setRequesterVpcInfo",
"setterModel" : {
"variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
"variableName" : "requesterVpcInfo",
"variableType" : "VpcPeeringConnectionVpcInfo",
"documentation" : "",
"simpleType" : "VpcPeeringConnectionVpcInfo",
"variableSetterType" : "VpcPeeringConnectionVpcInfo"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the requester VPC.</p>
@param requesterVpcInfo Information about the requester VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "VpcPeeringConnectionVpcInfo",
    "variableName" : "requesterVpcInfo",
    "variableType" : "VpcPeeringConnectionVpcInfo",
    "documentation" : "<p>Information about the requester VPC.</p>",
    "simpleType" : "VpcPeeringConnectionVpcInfo",
    "variableSetterType" : "VpcPeeringConnectionVpcInfo"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "c2jName" : "Status",
    "c2jShape" : "VpcPeeringConnectionStateReason",
    "deprecated" : false,
    "documentation" : "<p>The status of the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param status The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withStatus",
    "getterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@return The status of the VPC peering connection.*/",
    "getterMethodName" : "getStatus",
    "getterModel" : {
        "returnType" : "VpcPeeringConnectionStateReason",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "Status",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "status",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "flattened" : false,
"map" : false,
"mapModel" : null,
"name" : "Status",
"setterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param status The status of the VPC peering connection.</p>*/",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnectionStateReason",
  "variableName" : "status",
  "variableType" : "VpcPeeringConnectionStateReason",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnectionStateReason",
  "variableSetterType" : "VpcPeeringConnectionStateReason"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param status The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.
*/",
"variable" : {
  "variableDeclarationType" : "VpcPeeringConnectionStateReason",
  "variableName" : "status",
  "variableType" : "VpcPeeringConnectionStateReason",
  "documentation" : "<p>The status of the VPC peering connection.</p>",
  "simpleType" : "VpcPeeringConnectionStateReason",
  "variableSetterType" : "VpcPeeringConnectionStateReason"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
  "c2jName" : "Tags",
  "c2jShape" : "TagList",
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Any tags assigned to the resource.
@param tags Any tags assigned to the resource.
@return Returns a reference to this object so that method calls can be chained together.
*/",
  "fluentSetterMethodName" : "withTags",
  "getterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@return Any tags assigned to the resource.
*/",
  "getterMethodName" : "getTags",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
],
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**@return *
getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to
the resource.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the resource.</p>
@param tags Any tags assigned to
the resource.</p>\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"sendEmptyQueryString" : false,
"simple" : false,
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>"
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Any tags assigned to the resource.
 * <p><b>NOTE:</b> This method appends the values to the existing list (if any).
 * Use [@link #setTags(java.util.Collection)] or [@link #withTags(java.util.Collection)] if you want to override the existing values.
 * @param tags Any tags assigned to the resource.
 * @return Returns a reference to this object so that method calls can be chained together.*/

 * \n */

 * variable"
 {
 "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
 "variableName" : "tags",
 "variableType" : "java.util.List<Tag>",
 "documentation" : "Any tags assigned to the resource.
 * "simpleType" : "List<Tag>",
 "variableSetterType" : "java.util.Collection<Tag>"
 },

"xmlNameSpaceUri" : null
},

"VpcPeeringConnectionId" : {
 "c2jName" : "VpcPeeringConnectionId",
 "c2jShape" : "String",
 "deprecated" : false,
 "documentation" : "The ID of the VPC peering connection.
 * \n @return The ID of the VPC peering connection.
 * @param vpcPeeringConnectionId The ID of the VPC peering connection.
 * @return Returns a reference to this object so that method calls can be chained together.*/

 * \n */

 * fluentSetterDocumentation" : "/**\n * The ID of the VPC peering connection.
 * \n * @param vpcPeeringConnectionId The ID of the VPC peering connection.
 * \n * @return The ID of the VPC peering connection.
 * \n */

 * fluentSetterMethodName" : "withVpcPeeringConnectionId",

 * getterDocumentation" : "/**\n * The ID of the VPC peering connection.
 * \n * @return The ID of the VPC peering connection.
 * \n */

 * getterMethodName" : "getVpcPeeringConnectionId",

 * getMethodModel" : {

 * returnType" : "String",

 * documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "VpcPeeringConnectionId","}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcPeeringConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcPeeringConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.*/",
"setterMethodName" : "setVpcPeeringConnectionId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC peering connection.</p>
@param
vpcPeeringConnectionId The ID of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcPeeringConnectionId",
"variableType" : "String",
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcPeeringConnection",
"unmarshalller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "VpcPeeringConnection",
"variableName" : "vpcPeeringConnection"
"variableType" : "VpcPeeringConnection",
"documentation" : null,
"simpleType" : "VpcPeeringConnection",
"variableSetterType" : "VpcPeeringConnection"
},
"wrapper" : false
},
"VpcPeeringConnectionOptionsDescription" : {
"c2jName" : "VpcPeeringConnectionOptionsDescription",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes the VPC peering connection options.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
  {
    "c2jName" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>@param allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>@return Returns a reference to this object so that method calls can be chained together.</p>*/",
    "fluentSetterMethodName" : "withAllowEgressFromLocalClassicLinkToRemoteVpc",
    "getterDocumentation" : "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>@return Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>*/",
    "getterMethodName" : "getAllowEgressFromLocalClassicLinkToRemoteVpc",
    "getModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "AllowEgressFromLocalClassicLinkToRemoteVpc",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "allowEgressFromLocalClassicLinkToRemoteVpc",
"uri": false,
"idempotencyToken": false,
"list": false,
"listModel": null,
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"mapModel": null,
"name": "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation": "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>*/",
"setterMethodName": "setAllowEgressFromLocalClassicLinkToRemoteVpc",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
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  "variableType": "Boolean",
  "documentation": "<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
{ 
"c2jName": "AllowEgressFromLocalVpcToRemoteClassicLink",
"c2jShape": "Boolean".
}
"deprecated" : false,
"documentation" : "<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>",
"enumType" : null,
"fluentSetterDocumentation": "/**<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalVpcToRemoteClassicLink Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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@return Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.* /",
"getterMethodName" : "getAllowEgressFromLocalVpcToRemoteClassicLink",
"setterDocumentation" : "/**<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalVpcToRemoteClassicLink Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together. */",
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"variableType" : "Boolean",},
"documentation" : "/**\n * Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.\n *\n * @param allowEgressFromLocalVpcToRemoteClassicLink Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
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    "variableType" : "Boolean",
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"
    "allowDnsResolutionFromRemoteVpc" : "\n * Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.\n *\n * @param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "allowDnsResolutionFromRemoteVpc" : "\n * Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.\n *\n * @param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.\n * @return Returns a reference to this object so that method calls can be chained together.*/";\n}
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"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/**<p>Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.</p>
@param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.*/",
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"setterModel" : {
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  "variableName" : "allowDnsResolutionFromRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.</p>
@param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "variableSetterType" : "Boolean"
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"membersAsMap" : {
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    "c2jShape" : "Boolean",
    "c2jType" : "Boolean"
  }
}
"deprecated" : false,
"documentation" : "<p>Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/*@param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.*/",
"getterDocumentation" : "/*@return Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.*/",
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"getterModel" : {
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "allowDnsResolutionFromRemoteVpc",
"uri" : false
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"idempotencyToken" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "/*@param allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.*/",
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"setterModel" : {
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"variableName" : "allowDnsResolutionFromRemoteVpc",
"variableType" : "Boolean"
allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.

```
@param
allowDnsResolutionFromRemoteVpc Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.

returns
Returns a reference to this object so that method calls can be chained together.
```

```
//
// Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.

public boolean allowDnsResolutionFromRemoteVpc();
```

```
/**
 * Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC.
 */

private boolean allowDnsResolutionFromRemoteVpc;
```

AllowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.

```
@param
allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.

returns
Returns a reference to this object so that method calls can be chained together.
```

```
//
// Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.

public boolean allowEgressFromLocalClassicLinkToRemoteVpc();
```

```
/**
 * Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.
 */

private boolean allowEgressFromLocalClassicLinkToRemoteVpc;
```
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"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AllowEgressFromLocalClassicLinkToRemoteVpc",
"setterDocumentation" : "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.*/",
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"setterModel" : {
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  "variableName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
  "variableType" : "Boolean",
  "documentation" : "",
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  "variableSetterType" : "Boolean"
},
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"varargSetterDocumentation" : "/**<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalClassicLinkToRemoteVpc Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
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  "documentation" : "<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>
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  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
  "c2jName" : "AllowEgressFromLocalVpcToRemoteClassicLink",
  "c2jShape" : "Boolean",
...
Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.

```java
@param
allowEgressFromLocalVpcToRemoteClassicLink Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.

@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```

```java
@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```

```java
@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```

```java
@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```

```java
@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```

```java
@returns Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
```
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},
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"varargSetterDocumentation" : "<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>
@param allowEgressFromLocalVpcToRemoteClassicLink Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together."",
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  "variableName" : "allowEgressFromLocalVpcToRemoteClassicLink",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableType" : "VpcPeeringConnectionOptionsDescription",
  "documentation" : null,
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  "variableSetterType" : "VpcPeeringConnectionOptionsDescription"
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  }
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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  "c2jShape" : "VpcPeeringConnectionStateReasonCode",
  "deprecated" : false,
  "documentation" : "<p>The status of the VPC peering connection.</p>",
  "enumType" : "VpcPeeringConnectionStateReasonCode",
  "fluentSetterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
   * @param code The status of the VPC peering connection.
   * @return Returns a reference to this object so that method calls can be chained together.
   * @see VpcPeeringConnectionStateReasonCode*/",
  "fluentSetterMethodName" : "withCode",
  "getterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
   * @return The status of the VPC peering connection.
   * @see VpcPeeringConnectionStateReasonCode*/",
  "getterMethodName" : "getCode",
  "getterModel" : {
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    "documentation" : null
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    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "code",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
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  "map" : false,
  "mapModel" : null,
  "name" : "Code",
  "setterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
   * @param code The status of the VPC peering connection.
   * @see VpcPeeringConnectionStateReasonCode*/",
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  "templateVersionModel" : null,
  "uri" : null
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Code",
"setterDocumentation" : "/**<p>The status of the VPC peering connection.</p>\n   * @param code The status of the VPC peering connection.
   * @see VpcPeeringConnectionStateReasonCode*/",
the status of the VPC peering connection.

@see VpcPeeringConnectionStateReasonCode*/

setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The status of the VPC peering connection.</p>
@param code The status of the VPC peering connection.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcPeeringConnectionStateReasonCode*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "<p>The status of the VPC peering connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "A message that provides more information about the status, if applicable.

@see VpcPeeringConnectionStateReasonCode*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.</p>
@param message A message that provides more information about the status, if applicable.
@return Returns a reference to this object so that method calls can be chained together.
@see VpcPeeringConnectionStateReasonCode*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "@see VpcPeeringConnectionStateReasonCode*/",
"getterMethodName" : "getMessage",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocationName" : "Message",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/*\*\*\A message that provides more information about the status, if applicable."*/,
"setterMethodName" : "setMessage",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\*\A message that provides more information about the status, if applicable."*/

A message that provides more information about the status, if applicable.

/*\n@returns Returns a reference to this object so that method calls can be chained together."*/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "message",
  "variableType" : "String",
  "documentation" : "<p>A message that provides more information about the status, if applicable.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "Code" : {
    "c2jName" : "Code",
    "c2jShape" : "VpcPeeringConnectionStateReasonCode",
    "deprecated" : false,
    "documentation" : "<p>The status of the VPC peering connection.</p>",
    "enumType" : "VpcPeeringConnectionStateReasonCode",
    "fluentSetterDocumentation" : "/*\nThe status of the VPC peering connection.

@returns Returns a reference to this object so that method calls can be chained together.

@see VpcPeeringConnectionStateReasonCode*/"}

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**getterDocumentation** : "/*<p>The status of the VPC peering connection.</p>
return The status of the VPC peering connection.*"/

"getterMethodName" : "getCode",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Code",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "code",
  "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "/*<p>The status of the VPC peering connection.</p>
@param code The status of the VPC peering connection.*"/

"setterMethodName" : "setCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"varargSetterDocumentation" : "/*<p>The status of the VPC peering connection.</p>
@return Returns a reference to this object so that method calls can be chained together.*"/

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "code",
  "variableType" : "String"
"documentation" : "<p>The status of the VPC peering connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"Message" : {
"c2jName" : "Message",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>A message that provides more information about the status, if applicable.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.</p>
@param message A message that provides more information about the status, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMessage",
"getterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.</p>
@return A message that provides more information about the status, if applicable.*/",
"getterMethodName" : "getMessage",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Message",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "message",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Message",
"setterDocumentation" : "/**<p>A message that provides more information about the status, if applicable.</p>
@param message A message that provides more information about the status, if applicable.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setMessage",
"setterModel" : {
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"variableName": "message",
"variableType": "String",
"documentation": """,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**\nA message that provides more information about the status, if applicable.\n@param message A message that provides more information about the status, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "String",
"variableName": "message",
"variableType": "String",
"documentation": "<p>A message that provides more information about the status, if applicable.</p>
@param message A message that provides more information about the status, if applicable.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VpcPeeringConnectionStateReason",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "VpcPeeringConnectionStateReason",
"variableName": "vpcPeeringConnectionStateReason",
"variableType": "VpcPeeringConnectionStateReason",
"documentation": null,
"simpleType": "VpcPeeringConnectionStateReason",
"variableSetterType": "VpcPeeringConnectionStateReason"
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"wrapper": false
},
"VpcPeeringConnectionStateReasonCode": {
"c2jName": "VpcPeeringConnectionStateReasonCode",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
}
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "InitiatingRequest",
  "value" : "initiating-request"
}, {
  "name" : "PendingAcceptance",
  "value" : "pending-acceptance"
}, {
  "name" : "Active",
  "value" : "active"
}, {
  "name" : "Deleted",
  "value" : "deleted"
}, {
  "name" : "Rejected",
  "value" : "rejected"
}, {
  "name" : "Failed",
  "value" : "failed"
}, {
  "name" : "Expired",
  "value" : "expired"
}, {
  "name" : "Provisioning",
  "value" : "provisioning"
}, {
  "name" : "Deleting",
  "value" : "deleting"
} ],
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : null,
"membersAsMap" : { },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpcPeeringConnectionStateReasonCode",
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "VpcPeeringConnectionStateReasonCode",
  "value" : "VpcPeeringConnectionStateReasonCode"
}
"variableName" : "vpcPeeringConnectionStateReasonCode",
"variableType" : "VpcPeeringConnectionStateReasonCode",
"documentation" : null,
"simpleType" : "VpcPeeringConnectionStateReasonCode",
"variableSetterType" : "VpcPeeringConnectionStateReasonCode"
},
"wrapper" : false
",
"VpcPeeringConnectionVpcInfo" : {
"c2jName" : "VpcPeeringConnectionVpcInfo",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false
},
"deprecated" : false,
"documentation" : "<p>Describes a VPC in a VPC peering connection.</p>",
"enums" : null,
"errorCode" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"marshaller" : null,
"members" : [
"c2jName" : "CidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>\n@param cidrBlock The IPv4 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCidrBlock",
"getterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>\n@return The IPv4 CIDR block for the VPC.*/",
"getterMethodName" : "getCidrBlock",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p><p>@param cidrBlock The IPv4 CIDR block for the VPC.<br@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "cidrBlock",
    "variableType" : "String",
    "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "OwnerId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the VPC owner.</p>",
"enumType" : null,
"fluientSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p><p>@param ownerId The AWS account ID of the VPC owner.<br@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null}
"fluentSetterMethodName": "withOwnerId",
"getterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
\n@return The AWS account ID of the VPC owner.*/",
"getterMethodName": "getOwnerId",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "OwnerId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ownerId",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "OwnerId",
"setterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
\n@param ownerId The AWS account ID of the VPC owner.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName": "setOwnerId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The AWS account ID of the VPC owner.</p>
\n@param ownerId The AWS account ID of the VPC owner.
\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "ownerId",
  "variableType": "String"}
"documentation" : "<p>The AWS account ID of the VPC owner.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcId",
"getterDocumentation" : "/**<p>The ID of the VPC.</p>
@return The ID of the VPC.*/",
"getterMethodName" : "getVpcId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return
The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "///\n@returns The ID of the VPC.
///\n@var arg vpcId The ID of the VPC.\n///\n@return

The ID of the VPC.

returns a reference to this object so that method calls can be chained together. */",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The ID of the VPC.

returns a reference to this object so that method calls can be chained together. */",

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ipv6CidrBlockSet",
"variableType" : "Ipv6CidrBlockSet",
"deprecated" : false,
"documentation" : "The IPv6 CIDR block for the VPC.

returns a reference to this object so that method calls can be chained together. */",

"documentation" : "The IPv6 CIDR block for the VPC.

returns a reference to this object so that method calls can be chained together. */",

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Ipv6CidrBlock",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that
method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Ipv6CidrBlock",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "item",
      "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "Member",
    "setterDocumentation" : "/**\n@param member */",
    "setterMethodName" : "setMember",
    "setterModel" : {
      "variableDeclarationType" : "Ipv6CidrBlock",
      "variableName" : "member",
      "variableType" : "Ipv6CidrBlock",
      "documentation" : "",
      "simpleType" : "Ipv6CidrBlock",
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Ipv6CidrBlock",
  "variableName" : "member",
  "variableType" : "Ipv6CidrBlock",
  "documentation" : "",
  "simpleType" : "Ipv6CidrBlock",
}
"variableSetterType": "Ipv6CidrBlock",
]
"simple": false,
"varargSetterDocumentation": "/**\n@n@param member\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
"variableDeclarationType": "Ipv6CidrBlock",
"variableName": "member",
"variableType": "Ipv6CidrBlock",
"documentation": "",
"simpleType": "Ipv6CidrBlock",
"variableSetterType": "Ipv6CidrBlock"
}
},
"xmlNameSpaceUri": null
]
"memberLocationName": "item",
"memberType": "Ipv6CidrBlock",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Ipv6CidrBlock",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"templateType": "java.util.List<Ipv6CidrBlock>"
],
"map": false,
"mapModel": null,
"name": "Ipv6CidrBlockSet",
"setterDocumentation": "/**<p>The IPv6 CIDR block for the VPC.</p>
@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.*/",
"setterMethodName": "setIpv6CidrBlockSet",
"setterModel": {
"variableDeclarationType": "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"variableName": "ipv6CidrBlockSet",
"variableType": "java.util.List<Ipv6CidrBlock>",
"documentation": "",
"simpleType": "List<Ipv6CidrBlock>",
"variableSetterType": "java.util.Collection<Ipv6CidrBlock>"
],
"simple": false,
"varargSetterDocumentation": "/**<p>The IPv6 CIDR block for the VPC.</p>
</b>&lt;b&gt;&lt;/b&gt; This method appends the values to the existing list (if any). Use {@link #setIpv6CidrBlockSet(java.util.Collection)} or {@link #withIpv6CidrBlockSet(java.util.Collection)} if you want to override the existing values.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {

"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"variableName" : "ipv6CidrBlockSet",
"variableType" : "java.util.List<Ipv6CidrBlock>",
"documentation" : "<p>The IPv6 CIDR block for the VPC.</p>",
"simpleType" : "List<Ipv6CidrBlock>",
"variableSetterType" : "java.util.Collection<Ipv6CidrBlock>"
},
"xmlnsNameSpaceUri" : null
}, {
"c2jName" : "PeeringOptions",
"c2jShape" : "VpcPeeringConnectionOptionsDescription",
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>\n@param peeringOptions Information about the VPC peering connection options for the accepter or requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withPeeringOptions",
"getterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>\n@return Information about the VPC peering connection options for the accepter or requester VPC.*/",
"getterMethodName" : "getPeeringOptions",
"getterModel" : {
"returnType" : "VpcPeeringConnectionOptionsDescription",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "PeeringOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "peeringOptions",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "PeeringOptions",
"setterDocumentation" : "/**<p>Information about the VPC peering connection options for the acceptor or
requester VPC.</p>*/
@param peeringOptions Information about the VPC peering connection options for the
acceptor or requester VPC.

"setterMethodname" : "setPeeringOptions",
"setterModel" : {
  "variableDeclarationType" : "VpcPeeringConnectionOptionsDescription",
  "variableName" : "peeringOptions",
  "variableType" : "VpcPeeringConnectionOptionsDescription",
  "documentation" : "",
  "simpleType" : "VpcPeeringConnectionOptionsDescription",
  "variableSetterType" : "VpcPeeringConnectionOptionsDescription"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the acceptor
or requester VPC.</p>*/
@param peeringOptions Information about the VPC peering connection options for the
acceptor or requester VPC.
@return Returns a reference to this object so that method calls can be chained
together.*/

"variable" : {
  "variableDeclarationType" : "VpcPeeringConnectionOptionsDescription",
  "variableName" : "peeringOptions",
  "variableType" : "VpcPeeringConnectionOptionsDescription",
  "documentation" : "<p>Information about the VPC peering connection options for the acceptor or requester
VPC.</p>",
  "simpleType" : "VpcPeeringConnectionOptionsDescription",
  "variableSetterType" : "VpcPeeringConnectionOptionsDescription"
},
"XMLNameSpaceUri" : null
}

"membersAsMap" : {
  "CidrBlock" : {
    "c2jName" : "CidrBlock",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>*/
@param cidrBlock The IPv4 CIDR block for the VPC. 
@return Returns a reference to this object so that method calls can be chained
together.*/",
    "fluentSetterMethodName" : "withCidrBlock",
    "getterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>*/
@return The IPv4 CIDR block for the VPC.*/

  "returnType" : "String",
  "documentation" : null
},
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "cidrBlock",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CidrBlock",
"setterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@param cidrBlock The IPv4 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setCidrBlock",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The IPv4 CIDR block for the VPC.</p>
@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "cidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Ipv6CidrBlockSet" : {
  "c2jName" : "Ipv6CidrBlockSet",
  "c2jShape" : "Ipv6CidrBlockSet",
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block for the VPC.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The IPv6 CIDR block for the VPC.</p>
@param ipv6CidrBlockSet
The IPv6 CIDR block for the VPC.
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withIpv6CidrBlockSet",
"getterDocumentation" : "/**<p>The IPv6 CIDR block for the VPC.</p>
@return The IPv6 CIDR block for the VPC. */",
"getterMethodName" : "getIpv6CidrBlockSet",
"getterModel" : {
"returnType" : "java.util.List<Ipv6CidrBlock>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Ipv6CidrBlockSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ipv6CidrBlockSet",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Ipv6CidrBlock",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together. */",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Ipv6CidrBlock",
"documentation" : null
}
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Ipv6CidrBlock",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
"templateType" : "java.util.List<Ipv6CidrBlock>"
},
"map" : false,
"mapModel" : null,
"name" : "Ipv6CidrBlockSet",
"setterDocumentation" : "/*<p>The IPv6 CIDR block for the VPC.</p>\n@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.*//",
"setterMethodName" : "setIpv6CidrBlockSet",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName" : "ipv6CidrBlockSet",
  "variableType" : "java.util.List<Ipv6CidrBlock>",
  "documentation" : "",
  "simpleType" : "List<IPv6CidrBlock>",
  "variableSetterType" : "java.util.Collection<IPv6CidrBlock>"
},
"simple" : false,
"varargSetterDocumentation" : "/*<p>The IPv6 CIDR block for the VPC.</p>\n<b>NOTE:</b> This method appends the values to the existing list (if any). Use { @link #setIpv6CidrBlockSet(java.util.Collection)} or { @link #withIpv6CidrBlockSet(java.util.Collection)} if you want to override the existing values.\n@\n@param ipv6CidrBlockSet The IPv6 CIDR block for the VPC.\n@return Returns a reference to this object so that method calls can be chained together.*//",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Ipv6CidrBlock>",
  "variableName" : "ipv6CidrBlockSet",
  "variableType" : "java.util.List<Ipv6CidrBlock>",
  "documentation" : "<p>The IPv6 CIDR block for the VPC.</p>",
  "simpleType" : "List<IPv6CidrBlock>",
  "variableSetterType" : "java.util.Collection<IPv6CidrBlock>"
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"xmlnsNamespaceUri" : null
},
"OwnerId" : {
  "c2jName" : "OwnerId",
  "c2jShape" : "String",
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the VPC owner.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/*<p>The AWS account ID of the VPC owner.</p>\n@\n@param ownerId The AWS account ID of the VPC owner.\n@return Returns a reference to this object so that method calls can be chained together.*//"
"fluentSetterMethodName" : "withOwnerId",
"getterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@return The AWS account ID of the VPC owner.</p>*/",
"getterMethodName" : "getOwnerId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "OwnerId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ownerId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "OwnerId",
"setterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/",
"setterMethodName" : "setOwnerId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
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"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
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"variableType" : "String",
"simple" : true,
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@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
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"variableDeclarationType" : "String",
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"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/**<p>The AWS account ID of the VPC owner.</p>
@param ownerId The AWS account ID of the VPC owner.
@return Returns a reference to this object so that method calls can be chained
together.</p>*/", 
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "ownerId",
"variableType" : "String",
"simple" : true,
"documentation" : "<p>The AWS account ID of the VPC owner.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PeeringOptions" : {
 "c2jName" : "PeeringOptions",
 "c2jShape" : "VpcPeeringConnectionOptionsDescription",
 "deprecated" : false,
 "documentation" : "<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>",
 "enumType" : null,
 "fluentSetterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>
@param peeringOptions Information about the VPC peering connection options for the accepter or requester VPC.\n@return Returns a reference to this object so that method calls can be chained together.*/",
 "fluentSetterMethodName" : "withPeeringOptions",
 "getterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>
@return Information about the VPC peering connection options for the accepter or requester VPC.*/",
 "getterMethodName" : "getPeeringOptions",
 "getterModel" : {
 "returnType" : "VpcPeeringConnectionOptionsDescription",
 "documentation" : null
 },
 "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "PeeringOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "peeringOptions",
  "uri" : false
 },
 "idempotencyToken" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "name" : "PeeringOptions",
 "setterDocumentation" : "/**<p>Information about the VPC peering connection options for the accepter or"
requester VPC.

@returns A reference to this object so that method calls can be chained together.

**varargSetterDocumentation**: 

Information about the VPC peering connection options for the accepter or requester VPC.

@returns A reference to this object so that method calls can be chained together.

**varargSetterDocumentation**: 

Information about the VPC peering connection options for the accepter or requester VPC.

@returns A reference to this object so that method calls can be chained together.

"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpcId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpcId",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpcId",
"setterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.*/",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPC.</p>
@param vpcId The ID of the VPC.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPC.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "VpcPeeringConnectionVpcInfo",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType": "VpcPeeringConnectionVpcInfo",
"variableName": "vpcPeeringConnectionVpcInfo",
"variableType": "VpcPeeringConnectionVpcInfo",
"documentation": null,
"simpleType": "VpcPeeringConnectionVpcInfo",
"variableSetterType": "VpcPeeringConnectionVpcInfo"
},
"wrapper": false
},
"VpcState": {
"c2jName": "VpcState",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
  {
    "name": "Pending",
    "value": "pending"
  },
  {
    "name": "Available",
    "value": "available"
  }
],
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "VpcState",
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "VpcState",
  "variableName": "vpcState",
  "variableType": "VpcState",
  "documentation": null,
  "simpleType": "VpcState",
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"variableSetterType": "VpcState",
},
"wrapper": false
},
"VpnConnection": {
"c2jName": "VpnConnection",
"customization": {
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  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "<p>Describes a VPN connection.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"marshaller": null,
"members": [
  {
    "c2jName": "VpnConnectionId",
    "c2jShape": "String",
    "deprecated": false,
    "documentation": "<p>The ID of the VPN connection.</p>",
    "enumType": null,
    "fluentSetterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpnConnectionId",
    "getterDocumentation": "/**<p>The ID of the VPN connection.</p>
@return The ID of the VPN connection.*/",
    "getterMethodName": "getVpnConnectionId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
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        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "VpnConnectionId",
        "queryString": false,
        "documentation": "<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterDocumentation": "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withVpnConnectionId",
    "getterDocumentation": "/**<p>The ID of the VPN connection.</p>
@return The ID of the VPN connection.*/",
    "getterMethodName": "getVpnConnectionId",
    "getterModel": {
        "returnType": "String",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocationName": "VpnConnectionId",
        "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "vpnConnectionId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnConnectionId",
"setterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.*/",
"setterMethodName" : "setVpnConnectionId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the VPN connection.</p>
@param vpnConnectionId The ID of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnConnectionId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "c2jName" : "State",
  "c2jShape" : "VpnState",
  "deprecated" : false,
  "documentation" : "<p>The current state of the VPN connection.</p>",
  "enumType" : "VpnState",
  "fluentSetterDocumentation" : "/**<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.</p>*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**<p>The current state of the VPN connection.</p>
@return The current state of the VPN connection.</p>*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "name" : "VpnState"}
}
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "State",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "state",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "State",
"setterDocumentation": "/**<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@see VpnState*/",
"setterMethodName": "setState",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>The current state of the VPN connection.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"c2jName" : "CustomerGatewayConfiguration",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>
@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayConfiguration",
"getterDocumentation" : "/**<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>
@return The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*/",
"getterMethodName" : "getCustomerGatewayConfiguration",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewayConfiguration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewayConfiguration",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
**CustomerGatewayConfiguration**

- **setterDocumentation**
  
  /*
   * The configuration information for the VPN connection's customer gateway (in
   * the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however,
   * it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the
   * pending or available state.
   */

- **setterMethodName**
  
  setCustomerGatewayConfiguration

- **setterModel**
  
  - **variableDeclarationType** : String
  - **variableName** : customerGatewayConfiguration
  - **variableType** : String
  - **documentation** : "",
  - **simpleType** : String
  - **variableSetterType** : String

- **simple**
  
  true

- **varargSetterDocumentation**
  
  /*
   * The configuration information for the VPN connection's customer gateway (in
   * the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however,
   * it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the
   * pending or available state.
   *
   * @param customerGatewayConfiguration The
   * configuration information for the VPN connection's customer gateway (in the native XML format). This element is
   * always present in the <a>CreateVpnConnection</a> response; however, it's present in the
   * <a>DescribeVpnConnections</a> response only if the VPN connection is in the pending or
   * available state.
   * @return Returns a reference to this object so that method calls can be chained
together.
   */

- **variable**
  
  - **variableDeclarationType** : String
  - **variableName** : customerGatewayConfiguration
  - **variableType** : String
  - **documentation** : "The configuration information for the VPN connection's customer gateway (in the
  * native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's
  * present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the pending or
  * available state.
  *
  * @param customerGatewayConfiguration The
  * configuration information for the VPN connection's customer gateway (in the native XML format). This element is
  * always present in the <a>CreateVpnConnection</a> response; however, it's present in the
  * <a>DescribeVpnConnections</a> response only if the VPN connection is in the pending or
  * available state.
  * @return Returns a reference to this object so that method calls can be chained
together.
  */

- **xmlNameSpaceUri**
  
  null
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "<p>The type of VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "CustomerGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN
connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN
connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN
connection.</p>\n@return The ID of the customer gateway at your end of the VPN connection.*/",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/**<p>The ID of the customer gateway at your end of the VPN
connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN
connection.*/
"setterMethodName" : "setCustomerGatewayId",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"simpleType" : "String",
"variableDeclarationType" : "String",
"variableName" : "type",
"variableType" : "String",
"documentation" : "<p>The type of VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
connection.*/", 
"setterMethodName" : "setCustomerGatewayId", 
"setterModel" : {
  "variableDeclarationType" : "String", 
  "variableName" : "customerGatewayId", 
  "variableType" : "String", 
  "documentation" : "", 
  "simpleType" : "String", 
  "variableSetterType" : "String"
}, 
"simple" : true,
"varargSetterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
"variable" : {
  "variableDeclarationType" : "String", 
  "variableName" : "customerGatewayId", 
  "variableType" : "String", 
  "documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>
@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/", 
  "simple" : true,
  "varargSetterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
  "variable" : {
    "variableDeclarationType" : "String", 
    "variableName" : "customerGatewayId", 
    "variableType" : "String", 
    "documentation" : "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
    "simple" : true,
    "varargSetterDocumentation" : "/*<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>\n@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/", 
    "getterDocumentation" : "/*<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@return The ID of the virtual private gateway at the AWS side of the VPN connection.*/", 
    "getterMethodName" : "getVpnGatewayId", 
    "getterModel" : {
      "returnType" : "String", 
      "documentation" : null
    }, 
    "http" : {
      "additionalMarshallingPath" : null, 
      "additionalUnmarshallingPath" : null, 
      "flattened" : false, 
      "greedy" : false, 
      "header" : false, 
      "isPayload" : false, 
      "isStreaming" : false,
"location" : null,
"marshallLocationName" : "VpnGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vpnGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.</p>*/",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpnGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpnGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "Any tags assigned to the VPN connection."",
"enumType" : "null",
"fluentSetterDocumentation" : "Any tags assigned to the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",}
"getterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p>
@return Any tags assigned to the VPN connection.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "Tag",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocationName": "Item",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "item",
"uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"varargSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*"",
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": "item",
"memberType": "Tag",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "Tag",
"templateImplType": "com.amazonaws.internal.SdkInternalList<Tag>"
"templateType" : "java.util.List<Tag">
},
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p>@param tags Any tags assigned to the VPN connection.*/",
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>Any tags assigned to the VPN connection.</p><h>NOTE:</h> This method appends the values to the existing list (if any). Use { @link #setTags(java.util.Collection) } or { @link #withTags(java.util.Collection) } if you want to override the existing values.<p>@param tags Any tags assigned to the VPN connection.<h>@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>Any tags assigned to the VPN connection.</p",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
  "c2jName" : "VgwTelemetry",
  "c2jShape" : "VgwTelemetryList",
  "deprecated" : false,
  "documentation" : "Information about the VPN tunnel.<p>
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPN tunnel.</p><h>@param vgwTelemetry Information about the VPN tunnel.<h>@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVgwTelemetry",
  "getterDocumentation" : "/**<p>Information about the VPN tunnel.</p>\n  "getterMethodName" : "getVgwTelemetry",
  "getterModel" : {
    "returnType" : "java.util.List<VgwTelemetry>",
    "documentation" : null
  },
  "http" : {
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**
@param member */",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "VgwTelemetry",
  "variableName": "member",
  "variableType": "VgwTelemetry",
  "documentation": "",
  "simpleType": "VgwTelemetry",
  "variableSetterType": "VgwTelemetry"
},
"simple": false,
"varargSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
  "variableDeclarationType": "VgwTelemetry",
  "variableName": "member",
  "variableType": "VgwTelemetry",
  "documentation": "",
  "simpleType": "VgwTelemetry",
  "variableSetterType": "VgwTelemetry"
},
"xmlnsNamespaceUri": null
},
"memberLocationName": "item",
"memberType": "VgwTelemetry",
"map": false,
"marshallNonAutoConstructedEmptyLists": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"sendEmptyQueryString": false,
"simple": false,
"simpleType": "VgwTelemetry",
"templateImplType": "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
"templateType": "java.util.List<VgwTelemetry>"
},
"map": false,
"mapModel": null,
"name": "VgwTelemetry",
"setterDocumentation": "/**\nInformation about the VPN tunnel.<p>
@param vgwTelemetry Information about the VPN tunnel.*/",
"setterMethodName": "setVgwTelemetry"
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
    "variableName" : "vgwTelemetry",
    "variableType" : "java.util.List<VgwTelemetry>",
    "documentation" : "",
    "simpleType" : "List<VgwTelemetry>",
    "variableSetterType" : "java.util.Collection<VgwTelemetry>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * Information about the VPN tunnel.</p><p>Note: This method appends the values to the existing list (if any). Use [@link #setVgwTelemetry(java.util.Collection)] or [@link #withVgwTelemetry(java.util.Collection)] if you want to override the existing values.</p><p>\n * @param vgwTelemetry Information about the VPN tunnel.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
    "variableName" : "vgwTelemetry",
    "variableType" : "java.util.List<VgwTelemetry>",
    "documentation" : "Information about the VPN tunnel.\n * @param vgwTelemetry Information about the VPN tunnel.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
    "xmlNameSpaceUri" : "null",
},
"c2jName" : "Options",
"c2jShape" : "VpnConnectionOptions",
"deprecated" : false,
"documentation" : "The VPN connection options.\n * @param options The VPN connection options.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n * The VPN connection options.\n * @return The VPN connection options.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withOptions",
"getterDocumentation" : "/**\n * The VPN connection options.\n * @return The VPN connection options.\n * @return Returns a reference to this object so that method calls can be chained together.*/",
"getterMethodName" : "getOptions",
"getterModel" : {
    "returnType" : "VpnConnectionOptions",
    "documentation" : "null",
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Options",
"xmlNameSpaceUri" : null,
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "options",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Options",
"setterDocumentation" : "/**<p>The VPN connection options.</p>
@param options The VPN connection options.*/",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "",
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPN connection options.</p>
@param options The VPN connection options.
@return Returns a reference to this object so that method calls can be chained together.*/",
"varargSetterMethodName" : "setOptions",
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "options",
  "variableType" : "VpnConnectionOptions",
  "documentation" : "<p>The VPN connection options.</p>",
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "Routes",
"c2jShape" : "VpnStaticRouteList",
"deprecated" : false,
"documentation" : "<p>The static routes associated with the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@param routes The static routes associated with the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoutes",
"getterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@return The static routes associated with the VPN connection.*/",
"getterMethodName" : "getRoutes",
"getterModel" : {

"returnType" : "java.util.List<VpnStaticRoute>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Routes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "routes",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "VpnStaticRoute",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**
     * @param member
     * @return Returns a reference to this object so that
     * method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n     * @return */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "VpnStaticRoute",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocationName" : "Item",
      "uri" : false
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpnStaticRoute",
  "variableName" : "member",
  "variableType" : "VpnStaticRoute",
  "documentation" : "",
  "simpleType" : "VpnStaticRoute",
  "variableSetterType" : "VpnStaticRoute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpnStaticRoute",
  "variableName" : "member",
  "variableType" : "VpnStaticRoute",
  "documentation" : "",
  "simpleType" : "VpnStaticRoute",
  "variableSetterType" : "VpnStaticRoute"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnStaticRoute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnStaticRoute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
"templateType" : "java.util.List<VpnStaticRoute>
",
"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**\n * The static routes associated with the VPN connection.
 */",
"setterMethodName" : "setRoutes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
  "variableName" : "routes",
  "variableType" : "java.util.List<VpnStaticRoute>",
  "documentation" : "",
  "simpleType" : "List<VpnStaticRoute>",
  "variableSetterType" : "java.util.Collection<VpnStaticRoute>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n * The static routes associated with the VPN connection.
 * <p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setRoutes(java.util.Collection)] or [@link #withRoutes(java.util.Collection)] if you want to override the existing values.</p>
 * @param routes The static routes associated with the VPN connection.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
  "variableName" : "routes",
  "variableType" : "java.util.List<VpnStaticRoute>",
  "documentation" : "The static routes associated with the VPN connection.",
  "simpleType" : "List<VpnStaticRoute>",
  "variableSetterType" : "java.util.Collection<VpnStaticRoute>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "CustomerGatewayConfiguration" : {
    "c2jName" : "CustomerGatewayConfiguration",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n * The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.
 * @param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.
 * @return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withCustomerGatewayConfiguration",
"Open Source Used In Virtualized Voice Browser 12.6(1) 27093"}
"getterDocumentation" : "The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.

@return The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*/",

"getterMethodName" : "getCustomerGatewayConfiguration",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "isAdmin" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "CustomerGatewayConfiguration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "customerGatewayConfiguration",
    "uri" : false
},

"idempotencyToken" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"name" : "CustomerGatewayConfiguration",

"setterDocumentation" : "The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.

@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.*/",

"setterMethodName" : "setCustomerGatewayConfiguration",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "customerGatewayConfiguration",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"varargSetterDocumentation" : "/*<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>\n@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayConfiguration",
"variableType" : "String",
"documentation" : "<p>The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.</p>
@param customerGatewayConfiguration The configuration information for the VPN connection's customer gateway (in the native XML format). This element is always present in the <a>CreateVpnConnection</a> response; however, it's present in the <a>DescribeVpnConnections</a> response only if the VPN connection is in the <code>pending</code> or <code>available</code> state.
@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"CustomerGatewayId" : {
"c2jName" : "CustomerGatewayId",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>
@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.
@return The ID of the customer gateway at your end of the VPN connection.
\n@return The ID of the customer gateway at your end of the VPN connection.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withCustomerGatewayId",
"getterDocumentation" : "/*<p>The ID of the customer gateway at your end of the VPN connection.</p>\n@return The ID of the customer gateway at your end of the VPN connection.*/",
"getterMethodName" : "getCustomerGatewayId",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "CustomerGatewayId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "customerGatewayId",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "CustomerGatewayId",
"setterDocumentation" : "/*\n@<p>The ID of the customer gateway at your end of the VPN
connection.</p>\n@param customerGatewayId The ID of the customer gateway at your end of the VPN
connection.*/",
"setterMethodNames" : "setCustomerGatewayId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayId",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*\n@<p>The ID of the customer gateway at your end of the VPN
connection.\n@returns Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "customerGatewayId",
"variableType" : "String",
"documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Options" : {
"c2jName" : "Options",
"c2jShape" : "VpnConnectionOptions",
"deprecated" : false,
"documentation" : "<p>The VPN connection options.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "<p>The VPN connection options.</p>\n@param options TheVPN
connection options.

return

Returns a reference to this object so that method calls can be chained together. */

"fluentSetterMethodName" : "withOptions",
"getterDocumentation" : "/**<p>The VPN connection options.</p>

@return The VPN connection options.*/

"getterMethodName" : "getOptions",
"getterModel" : {
 "returnType" : "VpnConnectionOptions",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocationName" : "Options",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "options",
 "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Options",
"setterDocumentation" : "/**<p>The VPN connection options.</p>

@returns The VPN connection options.*/

"setterMethodName" : "setOptions",
"setterModel" : {
 "variableDeclarationType" : "VpnConnectionOptions",
 "variableName" : "options",
 "variableType" : "VpnConnectionOptions",
 "documentation" : "",
 "simpleType" : "VpnConnectionOptions",
 "variableSetterType" : "VpnConnectionOptions"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The VPN connection options.</p>

@returns The VPN connection options.*/

@returns Returns a reference to this object so that method calls can be chained together. */

"variable" : {
 "variableDeclarationType" : "VpnConnectionOptions",
 "variableName" : "options",
 "variableType" : "VpnConnectionOptions",
}
"documentation" : "&lt;p&gt;The VPN connection options.&lt;/p&gt;",
"simpleType" : "VpnConnectionOptions",
"variableSetterType" : "VpnConnectionOptions"
}
,"xmlNameSpaceUri" : null
},
"Routes" : {
"c2jName" : "Routes",
"c2jShape" : "VpnStaticRouteList",
"deprecated" : false,
"documentation" : "&lt;p&gt;The static routes associated with the VPN connection.&lt;/p&gt;",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The static routes associated with the VPN connection.&lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withRoutes",
"getterDocumentation" : "/**<p>The static routes associated with the VPN connection.&lt;/p&gt;\n@returns The static routes associated with the VPN connection.*/",
"getterMethodName" : "getRoutes",
"getterModel" : {
"returnType" : "java.util.List&lt;VpnStaticRoute&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Routes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "routes",
"uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VpnStaticRoute",
"deprecated" : false,
"documentation" : ""},
"listMemberType" : "com.amazonaws.internal.SdkInternalList", 
"isDistinct" : true 
}
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member \
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VpnStaticRoute",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setItem",
"setterModel" : {
"variableDeclarationType" : "VpnStaticRoute",
"variableName" : "member",
"variableType" : "VpnStaticRoute",
"documentation" : "",
"simpleType" : "VpnStaticRoute",
"variableSetterType" : "VpnStaticRoute"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "VpnStaticRoute",
"variableName" : "member",
"variableType" : "VpnStaticRoute"
"documentation" : "",
"simpleType" : "VpnStaticRoute",
"variableSetterType" : "VpnStaticRoute"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpnStaticRoute",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpnStaticRoute",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
"templateType" : "java.util.List<VpnStaticRoute>"
},
"map" : false,
"mapModel" : null,
"name" : "Routes",
"setterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
@param routes The static routes associated with the VPN connection.*/",
"setterMethodName" : "setRoutes",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
  "variableName" : "routes",
  "variableType" : "java.util.List<VpnStaticRoute>",
  "documentation" : "",
  "simpleType" : "List<VpnStaticRoute>",
  "variableSetterType" : "java.util.Collection<VpnStaticRoute>"
},
"simple" : false,
"varargSetterDocumentation" : "/**<p>The static routes associated with the VPN connection.</p>
<p><b>NOTE:</b> This method appends the values to the existing list (if any). Use [@link #setRoutes(java.util.Collection)]() or [@link #withRoutes(java.util.Collection)]() if you want to override the existing values.</p>
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpnStaticRoute>",
  "variableName" : "routes",
  "variableType" : "java.util.List<VpnStaticRoute>",
  "documentation" : "<p>The static routes associated with the VPN connection.</p>",
  "simpleType" : "List<VpnStaticRoute>",
  "variableSetterType" : "java.util.Collection<VpnStaticRoute>"
},
"xmlNameSpaceUri" : null
}
"State" : {
    "c2jName" : "State",
    "c2jShape" : "VpnState",
    "deprecated" : false,
    "documentation" : "The current state of the VPN connection.\n    @param state The current state of the VPN connection.\n    @return Returns a reference to this object so that method calls can be chained together.\n    @see VpnState*/",
    "fluentSetterDocumentation" : "/**<p>The current state of the VPN connection.</p>
    @param state The current state of the VPN connection.\n    @return Returns a reference to this object so that method calls can be chained together.\n    @see VpnState*/",
    "fluentSetterMethodName" : "withState",
    "getterDocumentation" : "/**<p>The current state of the VPN connection.</p>
    @return The current state of the VPN connection.\n    @see VpnState*/",
    "getterMethodName" : "getState",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocationName" : "State",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "state",
        "uri" : false
    },
    "idempotencyToken" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "name" : "State",
    "setterDocumentation" : "/**<p>The current state of the VPN connection.</p>
    @param state The current state of the VPN connection.\n    @see VpnState*/",
    "setterMethodName" : "setState",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "state",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The current state of the VPN connection.</p>
@param state The current state of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "<p>The current state of the VPN connection.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Tags" : {
"c2jName" : "Tags",
"c2jShape" : "TagList",
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPN connection.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n<p>Any tags assigned to the VPN connection.</p>
@param tags Any tags assigned to the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**\n<p>Any tags assigned to the VPN connection.</p>
@return Any tags assigned to the VPN connection.*/",
"getterMethodName" : "getTags",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "TagSet",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "tagSet",
"uri" : false
},
"idempotencyToken" : false,
"variableSetterType" : "Tag"
],
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "Tag",
"variableName" : "member",
"variableType" : "Tag",
"documentation" : "",
"simpleType" : "Tag",
"variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : "item",
"memberType" : "Tag",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>
",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**\n<p>Any tags assigned to the VPN connection.</p>
@param tags Any tags assigned to the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"setterMethodName" : "setTags",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n<p>Any tags assigned to the VPN connection.</p>

<b>NOTE:</b> This method appends the values to the existing list (if any). Use \[@link #setTags(java.util.Collection)\] or \[@link #withTags(java.util.Collection)\] if you want to override the existing values.

@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"}
"variableName" : "tags",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p>Any tags assigned to the VPN connection.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"xmlNameSpaceUri" : null,
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "<p>The type of VPN connection.</p>",
  "enumType" : "GatewayType",
  "fluentSetterDocumentation" : "/**<p>The type of VPN connection.</p>\n@return Returns a reference to this object so that method calls can be chained together.\n@see GatewayType*/",
  "fluentSetterMethodName" : "withType",
  "getterDocumentation" : "/**<p>The type of VPN connection.</p>\n@return The type of VPN connection.\n@see GatewayType*/",
  "getterMethodName" : "getType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Type",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "type",
    "uri" : false
  },
  "idempotencyToken" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "name" : "Type",
  "setterDocumentation" : "/**<p>The type of VPN connection.</p>\n@param type The type of VPN connection.\n@return Returns a reference to this object so that method calls can be chained together.\n@see GatewayType*/"}
setterMethodName" : "setType",
'setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
'simple" : true,
'verargSetterDocumentation" : "/**<p>The type of VPN connection.</p>
@param type The type of VPN connection.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
'variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
'xmlNameSpaceUri" : null
},
'VgwTelemetry" : {
  "c2jName" : "VgwTelemetry",
  "c2jShape" : "VgwTelemetryList",
  "deprecated" : false,
  "documentation" : "<p>Information about the VPN tunnel.</p>",
  "enumType" : null,
  "fluentSetterDocumentation" : "/**<p>Information about the VPN tunnel.</p>
@param vgwTelemetry Information about the VPN tunnel.
@return Returns a reference to this object so that method calls can be chained together.*/",
  "fluentSetterMethodName" : "withVgwTelemetry",
  "getterDocumentation" : "/**<p>Information about the VPN tunnel.</p>
@return Information about the VPN tunnel.*/",
  "getterMethodName" : "getVgwTelemetry",
  "getterModel" : {
    "returnType" : "java.util.List<VgwTelemetry>"
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocationName" : "VgwTelemetry",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "vgwTelemetry",
"uri" : false
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"idempotencyToken" : false,
"list" : true,
"listModel" : {
"implType" : "com.amazonaws.internal.SdkInternalList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"c2jName" : "member",
"c2jShape" : "VgwTelemetry",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"fluentSetterDocumentation" : "/**\n@param member
@return Returns a reference to this object so that
method calls can be chained together.*/",
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**\n@return */",
"getterMethodName" : "getMember",
"getterModel" : {
"returnType" : "VgwTelemetry",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Item",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "item",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member"
"setterDocumentation" : "/**\n@param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VgwTelemetry",
  "variableName" : "member",
  "variableType" : "VgwTelemetry",
  "documentation" : "",
  "simpleType" : "VgwTelemetry",
  "variableSetterType" : "VgwTelemetry"
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VgwTelemetry",
  "variableName" : "member",
  "variableType" : "VgwTelemetry",
  "documentation" : "",
  "simpleType" : "VgwTelemetry",
  "variableSetterType" : "VgwTelemetry"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VgwTelemetry",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VgwTelemetry",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
"templateType" : "java.util.List<VgwTelemetry>"
},
"map" : false,
"mapModel" : null,
"name" : "VgwTelemetry",
"setterDocumentation" : "/**<p>Information about the VPN tunnel.</p>
@param vgwTelemetry Information about the VPN tunnel.*/",
"setterMethodName" : "setVgwTelemetry",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VgwTelemetry>",
  "variableName" : "vgwTelemetry",
  "variableType" : "java.util.List<VgwTelemetry>",
  "documentation" : "",
  "simpleType" : "List<VgwTelemetry>",
  "variableSetterType" : "java.util.Collection<VgwTelemetry>"
This method appends the values to the existing list (if any). Use `@link #setVgwTelemetry(java.util.Collection)` or `@link #withVgwTelemetry(java.util.Collection)` if you want to override the existing values.  

```java
public VgwTelemetry withVgwTelemetry(java.util.List<VgwTelemetry> vgwTelemetry)
```

Information about the VPN tunnel.

```java
public java.util.List<VgwTelemetry> getVgwTelemetry()
```

Returns a reference to this object so that method calls can be chained together.

```java
public void setVgwTelemetry(java.util.Collection<VgwTelemetry> vgwTelemetry)
```

Information about the VPN tunnel.

```java
public void withVgwTelemetry(java.util.Collection<VgwTelemetry> vgwTelemetry)
```

Information about the VPN tunnel.

```java
public String getVpnConnectionId()
```

Returns a reference to this object so that method calls can be chained together.

```java
public void setVpnConnectionId(String vpnConnectionId)
```

The ID of the VPN connection.

```java
public void withVpnConnectionId(String vpnConnectionId)
```

The ID of the VPN connection.

```java
public String getVpnConnectionId()
```
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpnGatewayId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpnGatewayId",
    "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "VpnGatewayId",
"setterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.*/",
"setterMethodName": "setVpnGatewayId",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "vpnGatewayId",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "/**<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>
@n@param vpnGatewayId The ID of the virtual private gateway at the AWS side of the VPN connection.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable": {
    "variableDeclarationType": "String",
    "variableName": "vpnGatewayId",
    "variableType": "String",
    "documentation": "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpnConnection",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VpnConnection",
  "variableName" : "vpnConnection",
  "variableType" : "VpnConnection",
  "documentation" : null,
  "simpleType" : "VpnConnection",
  "variableSetterType" : "VpnConnection"
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"wrapper" : false
},
"VpnConnectionOptions" : {
  "c2jName" : "VpnConnectionOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes VPN connection options.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "StaticRoutesOnly",
      "c2jShape" : "Boolean",
      "deprecated" : false,
      "documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
      "enumType" : null,
      "fluentSetterDocumentation" : "/** <p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n@return Returns a reference to this object so that method calls can be chained together.*/",
      "fluentSetterMethodName" : "withStaticRoutesOnly",
    }
  ]
}
"getterDocumentation": "\n\n<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>\n\n@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>\n\n\n",
"getterMethodName": "getStaticRoutesOnly",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "StaticRoutesOnly",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "staticRoutesOnly",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "StaticRoutesOnly",
"setterDocumentation": "\n\n<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>\n\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>\n\n",
"setterMethodName": "setStaticRoutesOnly",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "staticRoutesOnly",
  "variableType": "Boolean",
  "documentation": "",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"varargSetterDocumentation": "\n\n<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>\n\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>\n\n",
"variable": {
  "variableDeclarationType": "Boolean"}
"variableName": "staticRoutesOnly",
"variableType": "Boolean",
"documentation": "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}]
,"membersAsMap": {
"StaticRoutesOnly": {
"c2jName": "StaticRoutesOnly",
"c2jShape": "Boolean",
"deprecated": false,
"documentation": "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
"enumType": null,
"fluentSetterDocumentation": "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withStaticRoutesOnly",
"getterDocumentation": "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>
@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*/",
"getterMethodName": "getStaticRoutesOnly",
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "StaticRoutesOnly",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "staticRoutesOnly",
  "uri": false
},
"idempotencyToken": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**\n*p> Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.<br/>
@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP. */",
"setterMethodName" : "setStaticRoutesOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "staticRoutesOnly",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p> Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n@return Returns a reference to this object so that method calls can be chained together. */",
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "vpnConnectionOptions",
  "variableType" : "VpnConnectionOptions",
  "documentation" : null,
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VpnConnectionOptions",
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VpnConnectionOptions",
  "variableName" : "vpnConnectionOptions",
  "variableType" : "VpnConnectionOptions",
  "documentation" : null,
  "simpleType" : "VpnConnectionOptions",
  "variableSetterType" : "VpnConnectionOptions"
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"xmlNameSpaceUri" : null
}
"wrapper" : false,
"VpnConnectionOptionsSpecification" : {
  "c2jName" : "VpnConnectionOptionsSpecification",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
  },
  "deprecated" : false,
  "documentation" : "<p>Describes VPN connection options.</p>",
  "enums" : null,
  "errorCode" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : [
    {
      "c2jName" : "StaticRoutesOnly",
      "c2jShape" : "Boolean",
      "deprecated" : false,
      "documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>"",
      "enumType" : null,
      "fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p><p>/\n@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p><p>/\n@return Returns a reference to this object so that method calls can be chained together.</p>*/",
      "getterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p><p>/\n@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>*/",
      "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
      }
    }
  ]
}
"marshallLocationName" : "StaticRoutesOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "staticRoutesOnly",
"uri" : false
],
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.*\*/",
"setterMethodName" : "setStaticRoutesOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "staticRoutesOnly",
  "variableType" : "Boolean",
  "documentation" : "",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n@return Returns a reference to this object so that method calls can be chained together.*\*/",
"variable" : {
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  "variableName" : "staticRoutesOnly",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
  "StaticRoutesOnly" : {
    "c2jName" : "StaticRoutesOnly",
    "c2jShape" : "Boolean",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>",
    "enumType" : null,
  }
}
"fluentSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</n>@return Returns a reference to this object so that method calls can be chained together."*/",
"fluentSetterMethodName" : "withStaticRoutesOnly",
"getterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@return Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</n>",
"getterMethodName" : "getStaticRoutesOnly",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "StaticRoutesOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "staticRoutesOnly",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "StaticRoutesOnly",
"setterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</n>",
"setterMethodName" : "setStaticRoutesOnly",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "staticRoutesOnly",
"variableType" : "Boolean",
"documentation" : "",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</p>@param staticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.</n>"
routes must be used for devices that don't support BGP.\n\n@\n\nstaticRoutesOnly Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n\n@return Returns a reference to this object so that method calls can be chained together.*\n
"variable" : {  
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    "variableType" : "Boolean",  
    "documentation" : "\nIndicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.\n\n\n",
    "simpleType" : "Boolean",  
    "variableSetterType" : "Boolean"
  },  
  "xmlNameSpaceUri" : null
}
},  
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"required" : null,  
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"unmarshaller" : {  
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  },  
  "variable" : {  
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    "variableName" : "vpnConnectionOptionsSpecification",  
    "variableType" : "VpnConnectionOptionsSpecification",  
    "documentation" : null,  
    "simpleType" : "VpnConnectionOptionsSpecification",  
    "variableSetterType" : "VpnConnectionOptionsSpecification"
  },  
  "wrapper" : false
},  
"VpnGateway" : {  
  "c2jName" : "VpnGateway",  
  "customization" : {  
    "artificialResultWrapper" : null,  
    "skipGeneratingMarshaller" : false,  
    "skipGeneratingModelClass" : false,  
    "skipGeneratingUnmarshaller" : false
  },  
  "deprecated" : false,  
  "documentation" : "Describes a virtual private gateway.*\n\n\n",  
  "enums" : null,  
  "errorCode" : null,  
  "hasHeaderMember" : false,  
  "hasPayloadMember" : false,  
  "hasStatusCodeMember" : false,
"hasStreamingMember": false,
"marshaller": null,
"members": [{
  "c2jName": "VpnGatewayId",
  "c2jShape": "String",
  "deprecated": false,
  "documentation": "<p>The ID of the virtual private gateway.</p>",
  "enumType": null,
  "fluentSetterDocumentation": "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.</returns>
*/",
  "fluentSetterMethodName": "withVpnGatewayId",
  "getterDocumentation": "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.</returns>
*/",
  "getterMethodName": "getVpnGatewayId",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocationName": "VpnGatewayId",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "vpnGatewayId",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "VpnGatewayId",
  "setterDocumentation": "/**<p>The ID of the virtual private gateway.</p>
@returns {string} The ID of the virtual private gateway.</returns>
*/",
  "setterMethodName": "setVpnGatewayId",
  "setterModel": {
    "variableDeclarationType": "String",
    "variableName": "vpnGatewayId",
    "variableType": "String",
    "documentation": ""
  }
},
The ID of the virtual private gateway.

@returns Returns a reference to this object so that method calls can be chained together.

```
"variable": {
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  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
}
```

The current state of the virtual private gateway.

@returns Returns a reference to this object so that method calls can be chained together.

```
"fluentSetterDocumentation": "\n\n@returns \n\n\nReturns a reference to this object so that method calls can be chained together.\n\n@see VpnState*/",
  "fluentSetterMethodName": "withState",
  "getterDocumentation": "\n\n@returns \n\n\nReturns a reference to this object so that method calls can be chained together.\n\n@see VpnState*/",
  "getterMethodName": "getState",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  }
}
```

```
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the virtual private gateway.</p>
@param state The current state of the virtual private gateway.
@see VpnState*/",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the virtual private gateway.</p>
@param state The current state of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"variable" : {
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  "variableName" : "state",
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  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "Type",
"c2jShape" : "GatewayType",
"deprecated" : false,
"documentation" : "<p>The type of VPN connection the virtual private gateway supports.</p>",
"enumType" : "GatewayType",
"fluentSetterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway supports.</p>
@param type The type of VPN connection the virtual private gateway supports.
@return Returns a reference to this object so that method calls can be chained together.
@see GatewayType*/",
"fluentSetterMethodName" : "withType",
"getterDocumentation" : "/**<p>The type of VPN connection the virtual private gateway supports.</p>
@return The type of VPN connection the virtual private gateway supports.
@see GatewayType*/",
"getterMethodName" : "getType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {"idempotencyToken" : false,"list" : false,"listModel" : null,"map" : false,"mapModel" : null,"name" : "State","setterDocumentation" : "/**\n@param state The current state of the virtual private gateway.\n@see VpnState*/","setterMethodName" : "setState","setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
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  "variableSetterType" : "String"
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@param state The current state of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpnState*/","variable" : {
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  "variableType" : "String",
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  "variableSetterType" : "String"
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@param state The current state of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpnState*/","variable" : {
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  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jName" : "Type",
"c2jShape" : "GatewayType",
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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@param state The current state of the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.\n@see VpnState*/","variable" : {
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  "variableType" : "String",
  "documentation" : "<p>The current state of the virtual private gateway.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"c2jShape" : "GatewayType",
"deprecated" : false}
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "Type",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "type",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Type",
"setterDocumentation" : "/**\n * The type of VPN connection the virtual private gateway supports.
 * @param type The type of VPN connection the virtual private gateway supports.
 * @see GatewayType*/",
"setterMethodName" : "setType",
"setterModel" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n * The type of VPN connection the virtual private gateway supports.
 * @param type The type of VPN connection the virtual private gateway supports.
 * @return Returns a reference to this object so that method calls can be chained together.
 * @see GatewayType*/",
"variable" : {
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  "variableName" : "type",
  "variableType" : "String",
  "documentation" : "<p>The type of VPN connection the virtual private gateway supports.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"c2jName" : "AvailabilityZone",
"c2jShape" : "String"}
"deprecated" : false,
"documentation" : "<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>\n@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withAvailabilityZone",
"getterDocumentation" : "/**<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>\n@return The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.*/",
"getterMethodName" : "getAvailabilityZone",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "availabilityZone",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>\n@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "availabilityZone",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>\n@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"documentation" : "<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>
@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"xmlNameSpaceUri" : null
},
"c2jName" : "VpcAttachments",
"c2jShape" : "VpcAttachmentList",
"deprecated" : false,
"documentation" : "<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpcAttachments",
"getterDocumentation" : "/**\n<p>Any VPCs attached to the virtual private gateway.</p>
@return Any VPCs attached to the virtual private gateway.*/",
"getterMethodName" : "getVpcAttachments",
"getterModel" : {
"returnType" : "java.util.List<VpcAttachment>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
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"isStreaming" : false,
"location" : null,
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"statusCode" : false,
"unmarshallLocationName" : "attachments",
"uri" : false
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  "interfaceType": "java.util.List",
  "listMemberModel": {
    "c2jName": "member",
    "c2jShape": "VpcAttachment",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "fluentSetterDocumentation": "/**\n@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName": "withMember",
    "getterDocumentation": "/**\n@return */",
    "getterMethodName": "getMember",
    "getterModel": {
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      "documentation": null
    }
  },
  "http": {
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    "additionalUnmarshallingPath": null,
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    "greedy": false,
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    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "item",
    "uri": false
  },
  "idempotencyToken": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "Member",
  "setterDocumentation": "/**\n@param member */",
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  "setterModel": {
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    "variableType": "VpcAttachment"}
"documentation" : "",
"simpleType" : "VpcAttachment",
"variableSetterType" : "VpcAttachment"
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"simple" : false,
"varargSetterDocumentation" : "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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"variableName" : "member",
"variableType" : "VpcAttachment",
"documentation" : "",
"simpleType" : "VpcAttachment",
"variableSetterType" : "VpcAttachment"
}
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : "item",
"memberType" : "VpcAttachment",
"map" : false,
"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "VpcAttachment",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"templateType" : "java.util.List<VpcAttachment>
}
},
"map" : false,
"mapModel" : null,
"name" : "VpcAttachments",
"setterDocumentation" : "/**\n@param vpcAttachments Any VPCs attached to the virtual private gateway.*\n*/
setterMethodName" : "setVpcAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName" : "vpcAttachments",
"variableType" : "java.util.List<VpcAttachment>",
"documentation" : "",
"simpleType" : "List<VpcAttachment>",
"variableSetterType" : "java.util.Collection<VpcAttachment>
"}
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param vpcAttachments Any VPCs attached to the virtual private gateway.*\n*/
setterMethodName" : "setVpcAttachments",
"setterModel" : {
"variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
"variableName" : "vpcAttachments",
"variableType" : "java.util.List<VpcAttachment>",
"documentation" : "",
"simpleType" : "List<VpcAttachment>",
"variableSetterType" : "java.util.Collection<VpcAttachment>
"}
},
"simple" : false,
"varargSetterDocumentation" : "/**\n@param vpcAttachments Any VPCs attached to the virtual private gateway.*\n*/
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"setterModel" : {
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"variableName" : "vpcAttachments",
"variableType" : "java.util.List<VpcAttachment>",
"documentation" : "",
"simpleType" : "List<VpcAttachment>",
"variableSetterType" : "java.util.Collection<VpcAttachment>
"}
},
"simple" : false,
"c2jName": "member",
"c2jShape": "Tag",
"deprecated": false,
"documentation": "",
"enumType": null,
"fluentSetterDocumentation": "/**
@param member 
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName": "withMember",
"getterDocumentation": "/**\n@return */",
"getterMethodName": "getMember",
"getterModel": {
  "returnType": "Tag",
  "documentation": null
},
"http": {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocationName": "Item",
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  "statusCode": false,
  "unmarshallLocationName": "item",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Member",
"setterDocumentation": "/**\n@param member */",
"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
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  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
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"simple": false,
"varargSetterDocumentation": "/**\n@param member \n@return Returns a reference to this object so that method calls can be chained together.*/",}
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  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
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"memberLocationName" : "item",
"memberType" : "Tag",
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"marshallNonAutoConstructedEmptyLists" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"sendEmptyQueryString" : false,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "/**
 * Any tags assigned to the virtual private gateway.
 */
@<p>param tags Any tags assigned to the virtual private gateway.</p>
@return Returns a reference to this object so that method calls can be chained together.*"/
,
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "/**
 * Any tags assigned to the virtual private gateway.
 */
@<p>param tags Any tags assigned to the virtual private gateway.</p>
@return Returns a reference to this object so that method calls can be chained together.*"/
,
"variableSetterType" : "java.util.Collection<Tag>",
"xmlnsNameSpaceUri" : null
],
"membersAsMap" : {
  "AvailabilityZone" : {
    "c2jName" : "AvailabilityZone",
    "c2jShape" : "String",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;/p&gt;",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**&lt;p&gt;The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;/p&gt;&lt;n&gt;@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;n&gt;&lt;return&gt; Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
    "fluentSetterMethodName" : "withAvailabilityZone",
    "getterDocumentation" : "/**&lt;p&gt;The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;/p&gt;&lt;n&gt;@return The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;/n&gt;*/",
    "getterMethodName" : "getAvailabilityZone",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "AvailabilityZone",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "availabilityZone",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "AvailabilityZone",
"setterDocumentation" : "/**&lt;p&gt;The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;/p&gt;&lt;n&gt;@param availabilityZone The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.&lt;n&gt;&lt;return&gt; Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;*/",
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "returnType" : "AvailabilityZone",
  "documentation" : null
}
the virtual private gateway was created, if applicable. This field may be empty or not returned.*/*/”,
"setterMethodName" : "setAvailabilityZone",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/*<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>\n@returns \nThe Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.\n\n@returns Returns a reference to this object so that method calls can be chained together.*/*/",
"variable" : {
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  "variableName" : "availabilityZone",
  "variableType" : "String",
  "documentation" : "<p>The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "c2jName" : "State",
  "c2jShape" : "VpnState",
  "deprecated" : false,
  "documentation" : "p>\n\nThe current state of the virtual private gateway.</p>*/",
  "enumType" : "VpnState",
  "fluentSetterDocumentation" : "/*<p>The current state of the virtual private gateway.</p>\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see VpnState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/*<p>The current state of the virtual private gateway.</p>\n@returns The current state of the virtual private gateway.\n\n@see VpnState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false,
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "State",
"setterDocumentation" : "/**<p>The current state of the virtual private gateway.</p>
@param state The current state of the virtual private gateway.
@see VpnState*/",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The current state of the virtual private gateway.</p>
@param state The current state of the virtual private gateway.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : "<p>The current state of the virtual private gateway.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Tags" : {
    "c2jName" : "Tags",
    "c2jShape" : "TagList",
    "deprecated" : false,
    "documentation" : "<p>Any tags assigned to the virtual private gateway.</p>",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**<p>Any tags assigned to the virtual private gateway.</p>
@n@param tags"
Any tags assigned to the virtual private gateway.

@returns Returns a reference to this object so that method calls can be chained together.*/;

"fluentSetterMethodName" : "withTags",
"getterDocumentation" : "/**<p>Any tags assigned to the virtual private gateway.</p>\n@returns Any tags assigned to the virtual private gateway.*/",
"getterMethodName" : "getTags",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "TagSet",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "tagSet",
  "uri" : false
},
"idempotencyToken" : false,
"list" : true,
"listModel" : {
  "implType" : "com.amazonaws.internal.SdkInternalList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "fluentSetterDocumentation" : "/**\n@param member \n@returns Returns a reference to this object so that method calls can be chained together.*/",
    "fluentSetterMethodName" : "withMember",
    "getterDocumentation" : "/**\n@returns */",
    "getterMethodName" : "getMember",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "com.amazonaws.internal.SdkInternalList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"name" : "Tags",
"setterDocumentation" : "<p>Any tags assigned to the virtual private gateway.</p>
@<param name="tags" type="java.util.List<Tag>"/>
@<setter name="setTags" type="java.util.List<Tag>"/>
@<varargSetter name="setTags" type="java.util.List<Tag>"/>
"setterMethodName" : "setTags",
"setterModel" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"varargSetterDocumentation" : "Any tags assigned to the virtual private gateway.
@<param name="tags" type="java.util.List<Tag>"/>
@<setter name="setTags" type="java.util.List<Tag>"/>
@<varargSetter name="setTags" type="java.util.List<Tag>"/>
"variable" : {
  "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<Tag>",
  "variableName" : "tags",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null,
"Type" : {
  "c2jName" : "Type",
  "c2jShape" : "GatewayType",
  "deprecated" : false,
  "documentation" : "The type of VPN connection the virtual private gateway supports.
@<setter name="setType" type="GatewayType"/>
@<vararg Setter name="setType" type="GatewayType"/>
"setterMethodName" : "withType",
"getterDocumentation" : "The type of VPN connection the virtual private gateway supports.
@<getter name="getType" type="GatewayType"/>
@< SEE "GatewayType"/>
"getterMethodName" : "getType"}
"getterModel": {
  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
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  "isPayload": false,
  "isStreaming": false,
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  "unmarshallLocationName": "type",
  "uri": false
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"idempotencyToken": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"name": "Type",
"setterDocumentation": "The type of VPN connection the virtual private gateway supports."
"setterMethodName": "setType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "type",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"varargSetterDocumentation": "The type of VPN connection the virtual private gateway supports."
"varargMethodName": "setStatusGatewayType"
Any VPCs attached to the virtual private gateway.

```java
vpcAttachments
```
"fluentSetterMethodName" : "withMember",
"getterDocumentation" : "/**
* return */",
"getterMethodName" : "getMember",
"getterModel" : {
  "returnType" : "VpcAttachment",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "Item",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "item",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Member",
"setterDocumentation" : "/**
* @param member */",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "VpcAttachment",
  "variableName" : "member",
  "variableType" : "VpcAttachment",
  "documentation" : "",
  "simpleType" : "VpcAttachment",
  "variableSetterType" : "VpcAttachment"
},
"simple" : false,
"varargSetterDocumentation" : "/**
* @param member
* return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
  "variableDeclarationType" : "VpcAttachment",
  "variableName" : "member",
  "variableType" : "VpcAttachment",
  "documentation" : "",
  "simpleType" : "VpcAttachment",
  "variableSetterType" : "VpcAttachment"
The page contains code snippets related to Amazon Web Services (AWS) Java SDK, specifically for handling VPC Attachments for a VpnGateway.

```java
{
    "xmlNameSpaceUri" : null,
    "memberLocationName" : "item",
    "memberType" : "VpcAttachment",
    "map" : false,
    "marshallNonAutoConstructedEmptyLists" : false,
    "memberAdditionalMarshallingPath" : null,
    "memberAdditionalUnmarshallingPath" : null,
    "sendEmptyQueryString" : false,
    "simple" : false,
    "simpleType" : "VpcAttachment",
    "templateImplType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
    "templateType" : "java.util.List<VpcAttachment>
}
```

The documentation explains the usage of `VpcAttachments` for any VPCs attached to the virtual private gateway. It also covers appending to the existing list and returning a reference to the object for chaining.

```java
"setterDocumentation" : "/**<p>Any VPCs attached to the virtual private gateway.</p>
@param vpcAttachments Any VPCs attached to the virtual private gateway. */",
"setterMethodName" : "setVpcAttachments",
"setterModel" : {
    "variableDeclarationType" : "com.amazonaws.internal.SdkInternalList<VpcAttachment>",
    "variableName" : "vpcAttachments",
    "variableType" : "java.util.List<VpcAttachment>",
    "documentation" : "",
    "simpleType" : "List<VpcAttachment>",
    "variableSetterType" : "java.util.Collection<VpcAttachment>
}
```

Additionally, there is a simple getter method for the VpnGatewayId.

```java
"VpnGatewayId" : {
    "c2jName" : "VpnGatewayId",
    "c2jShape" : "String",
    "xmlNameSpaceUri" : null
}
```

This page is part of the documentation for the AWS Java SDK, focusing on how to interact with VPC Attachments for a VpnGateway.
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>\n@param vpnGatewayId
@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withVpnGatewayId",
"getterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>\n@return The ID of the virtual private gateway.*/",
"getterMethodName" : "getVpnGatewayId",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocationName" : "VpnGatewayId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "vpnGatewayId",
  "uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "VpnGatewayId",
"setterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>\n@param vpnGatewayId
@return Returns a reference to this object so that method calls can be chained together. */",
"setterMethodName" : "setVpnGatewayId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpnGatewayId",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The ID of the virtual private gateway.</p>\n@param vpnGatewayId
@return Returns a reference to this object so that method calls can be chained together. */"
The ID of the virtual private gateway.

@returns Returns a reference to this object so that method calls can be chained together.

"variable": {
"variableDeclarationType": "String",
"variableName": "vpnGatewayId",
"variableType": "String",
"documentation": "<p>The ID of the virtual private gateway.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VpnGateway",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
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"variable": {
"variableDeclarationType": "VpnGateway",
"variableName": "vpnGateway",
"variableType": "VpnGateway",
"documentation": null,
"simpleType": "VpnGateway",
"variableSetterType": "VpnGateway"
},
"wrapper": false
},
"VpnState": {
"c2jName": "VpnState",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},
"deprecated": false,
"documentation": "",
"enums": [
"name": "Pending",
"value": "pending"
],
"name": "Available",
"value": "available"}
"name": "Deleting",
"value": "deleting"
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"name": "Deleted",
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"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller": null,
"members": null,
"membersAsMap": {},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "VpnState",
"unmarshaller": {
"flattened": false,
"resultWrapper": null
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"variable": {
"variableDeclarationType": "VpnState",
"variableName": "vpnState",
"variableType": "VpnState",
"documentation": null,
"simpleType": "VpnState",
"variableSetterType": "VpnState"
},

"wrapper": false
},

"VpnStaticRoute": {
"c2jName": "VpnStaticRoute",
"customization": {
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"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false
},

"deprecated": false,
"documentation": "<p>Describes a static route for a VPN connection.</p>",
"enums": null,
"errorCode": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"marshaller" : null,
"members" : [ {
"c2jName" : "DestinationCidrBlock",
"c2jShape" : "String",
"deprecated" : false,
"documentation" : "<p>The CIDR block associated with the local subnet of the customer data center.\</p>",
"enumType" : null,
"fluentSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer data center.\n@param destinationCidrBlock The CIDR block associated with the local subnet of the customer data center.\n@return Returns a reference to this object so that method calls can be chained together.*/",
"fluentSetterMethodName" : "withDestinationCidrBlock",
"getterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer data center.\n@return The CIDR block associated with the local subnet of the customer data center.*/",
"getterMethodName" : "getDestinationCidrBlock",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocationName" : "DestinationCidrBlock",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "destinationCidrBlock",
"uri" : false
},
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "DestinationCidrBlock",
"setterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer data center.\n@param destinationCidrBlock The CIDR block associated with the local subnet of the customer data center.*/",
"setterMethodName" : "setDestinationCidrBlock",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "destinationCidrBlock",
"variableType" : "String",
"documentation" : ""}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**<p>The CIDR block associated with the local subnet of the customer data center.</p>
@param destinationCidrBlock The CIDR block associated with the local subnet of the customer data center.
@return Returns a reference to this object so that method calls can be chained together.*/",
"variable" : {
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  "variableName" : "destinationCidrBlock",
  "variableType" : "String",
  "documentation" : "<p>The CIDR block associated with the local subnet of the customer data center.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
  "c2jName" : "Source",
  "c2jShape" : "VpnStaticRouteSource",
  "deprecated" : false,
  "documentation" : "<p>Indicates how the routes were provided.</p>",
  "enumType" : "VpnStaticRouteSource",
  "fluentSetterDocumentation" : "/**<p>Indicates how the routes were provided.</p>
@param source Indicates how the routes were provided.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnStaticRouteSource*/",
  "fluentSetterMethodName" : "withSource",
  "getterDocumentation" : "/**<p>Indicates how the routes were provided.</p>
@return Indicates how the routes were provided.
@see VpnStaticRouteSource*/",
  "getterMethodName" : "getSource",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocationName" : "Source",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "source",
    "uri" : false
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  "virtualizationStrategy" : "TransitGateway",
  "virtualizationTarget" : "TransitGateway"
}
"idempotencyToken" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"name" : "Source",
"setterDocumentation" : "/**\n* Indicates how the routes were provided.\n* @param source Indicates how the routes were provided.\n* @see VpnStaticRouteSource*/",
"setterMethodName" : "setSource",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "source",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"varargSetterDocumentation" : "/**\n* Indicates how the routes were provided.\n* @param source Indicates how the routes were provided.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see VpnStaticRouteSource*/",
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "source",
  "variableType" : "String",
  "documentation" : "<p>Indicates how the routes were provided.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
  "c2jName" : "State",
  "c2jShape" : "VpnState",
  "deprecated" : false,
  "documentation" : "The current state of the static route.\n"!
  "enumType" : "VpnState",
  "fluentSetterDocumentation" : "/**\n* The current state of the static route.\n* @param state The current state of the static route.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see VpnState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**\n* The current state of the static route.\n* @return The current state of the static route.\n* @see VpnState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "setterModel" : {
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      "documentation" : "",
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      "variableSetterType" : "String"
    },
    "simple" : true,
    "varargSetterDocumentation" : "/**\n* Indicates how the routes were provided.\n* @param source Indicates how the routes were provided.\n* @return Returns a reference to this object so that method calls can be chained together.\n* @see VpnStaticRouteSource*/",
    "variable" : {
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    "xmlNameSpaceUri" : null
  }
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"uri" : false
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@param state The current state of the static route.
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  "variableName" : "state",
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  "documentation" : "",
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@param state The current state of the static route.
@return Returns a reference to this object so that method calls can be chained together.
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  "variableType" : "String",
  "documentation" : "The current state of the static route.<p>
"simpleType" : "String",
  "variableSetterType" : "String"
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"membersAsMap" : {
  "DestinationCidrBlock" : {
    "c2jName" : "DestinationCidrBlock",
    }}}}
"simple" : true,
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center.\n@return Returns a reference to this object so that method calls can be chained together.*/",
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@returns The CIDR block associated with the local subnet of the customer data center.
@return Returns a reference to this object so that method calls can be chained together."/",
"simpleType" : "String",
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"deprecated" : false,
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@returns Indicates how the routes were provided.
@see VpnStaticRouteSource*/",
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"fluentSetterDocumentation" : "/**<p>Indicates how the routes were provided.</p>
@returns Indicates how the routes were provided.
@see VpnStaticRouteSource*/",
"getterDocumentation" : "<p>Indicates how the routes were provided.</p>
@return Indicates how the routes were provided.
@see VpnStaticRouteSource*"/",
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* @see VpnStaticRouteSource*/",
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* @param source Indicates how the routes were provided.
* @return Returns a reference to this object so that method calls can be chained together.
* @see VpnStaticRouteSource*/",
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  "variableType" : "String",
  "documentation" : "Indicates how the routes were provided.
* @return Returns a reference to this object so that method calls can be chained together.
* @see VpnStaticRouteSource*/",
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  "c2jShape" : "VpnState",
  "deprecated" : false,
  "documentation" : "The current state of the static route.
* @return Returns a reference to this object so that method calls can be chained together.
* @see VpnState*/",
  "enumType" : "VpnState",
  "fluentSetterDocumentation" : "/**\n* The current state of the static route.
* @return Returns a reference to this object so that method calls can be chained together.
* @see VpnState*/",
  "fluentSetterMethodName" : "withState",
  "getterDocumentation" : "/**\n* The current state of the static route.
* @return The current state of the static route.
* @see VpnState*/",
  "getterMethodName" : "getState",
  "getterModel" : {
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    "documentation" : null
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"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "state",
"uri" : false
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"list" : false,
"listModel" : null,
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"setterDocumentation" : "/**<p>The current state of the static route.</p>
@param state The current state of the static route.
@see VpnState*/",
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"setterModel" : {
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  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "",
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  "variableSetterType" : "String"
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@param state The current state of the static route.
@return Returns a reference to this object so that method calls can be chained together.
@see VpnState*/",
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  "variableType" : "String",
  "documentation" : "<p>The current state of the static route.</p>",
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  "variableSetterType" : "String"
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"required" : null,
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"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "vpnStaticRoute",
  "variableType" : "VpnStaticRoute",
  "documentation" : null,
  "simpleType" : "VpnStaticRoute",
  "variableSetterType" : "VpnStaticRoute"
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"wrapper" : false
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"VpnStaticRouteSource" : {
  "c2jName" : "VpnStaticRouteSource",
  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false
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  "deprecated" : false,
  "documentation" : "",
  "enums" : [{
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    "value" : "Static"
  }],
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshaller" : null,
  "members" : null,
  "membersAsMap" : {},
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "VpnStaticRouteSource",
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    "resultWrapper" : null
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"variableSetterType": "VpnStaticRouteSource"
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"examples": {

"examples": {
"AllocateAddress": [ {
"comments": {
"input": {},
"output": {}
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"description": "This example allocates an Elastic IP address to use with an instance in a VPC.",
"id": "ec2-allocate-address-1",
"input": {
"Domain": "vpc"
},
"output": {
"PublicIp": "203.0.113.0",
"Domain": "vpc",
"AllocationId": "eipalloc-64d5890a"
},
"title": "To allocate an Elastic IP address for EC2-VPC"
},
"comments": {
"input": {},
"output": {}
},
"description": "This example assigns the specified secondary private IP address to the specified network
interface.

```
"id" : "ec2-assign-private-ip-addresses-1",
"input" : {
    "NetworkInterfaceId" : "eni-e5aa89a3",
    "PrivateIpAddress" : [ "10.0.0.82" ]
},
"output" : null,
"title" : "To assign a specific secondary private IP address to an interface"
},

"comments" : {
    "input" : { },
    "output" : { }
},

"description" : "This example assigns two secondary private IP addresses to the specified network interface.
Amazon EC2 automatically assigns these IP addresses from the available IP addresses in the CIDR block range of
the subnet the network interface is associated with.",
"id" : "ec2-assign-private-ip-addresses-2",
"input" : {
    "NetworkInterfaceId" : "eni-e5aa89a3",
    "SecondaryPrivateIpAddressCount" : 2
},
"output" : null,
"title" : "To assign secondary private IP addresses that Amazon EC2 selects to an interface"
}],

"AssociateAddress" : [ {
    "comments" : {
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        "output" : { }
    },
    "description" : "This example associates the specified Elastic IP address with the specified instance in a VPC.",
    "id" : "ec2-associate-address-1",
    "input" : {
        "InstanceId" : "i-0b263919b6498b123",
        "AllocationId" : "eipalloc-64d5890a"
    },
    "output" : {
        "AssociationId" : "eipassoc-2bebb745"
    },
    "title" : "To associate an Elastic IP address in EC2-VPC"
}, {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example associates the specified Elastic IP address with the specified network interface.",
    "id" : "ec2-associate-address-2",
    "input" : {
        "AllocationId" : "eipalloc-64d5890a",
        "InstanceId" : "i-0b263919b6498b123"
    },
    "output" : {
        "AssociationId" : "eipassoc-2bebb745"
    },
    "title" : "To associate an Elastic IP address in EC2-VPC"
}]
```
"NetworkInterfaceId" : "eni-1a2b3c4d"
},
"output" : {
   "AssociationId" : "eipassoc-2bebb745"
},
"title" : "To associate an Elastic IP address with a network interface"
},
"comments" : {
   "input" : { },
   "output" : { }
},
"description" : "This example associates an Elastic IP address with an instance in EC2-Classic.",
"id" : "ec2-associate-address-3",
"input" : {
   "InstanceId" : "i-07ffe74c7330ebf53",
   "PublicIp" : "198.51.100.0"
},
"output" : null,
"title" : "To associate an Elastic IP address in EC2-Classic"
] },
"AssociateDhcpOptions" : [ {
   "comments" : {
      "input" : { },
      "output" : { }
   },
   "description" : "This example associates the specified DHCP options set with the specified VPC.",
   "id" : "ec2-associate-dhcp-options-1",
   "input" : {
      "DhcpOptionsId" : "dopt-d9070ebb",
      "VpcId" : "vpc-a01106c2"
   },
   "output" : null,
   "title" : "To associate a DHCP options set with a VPC"
},
"comments" : {
   "input" : { },
   "output" : { }
},
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"id" : "ec2-associate-dhcp-options-2",
"input" : {
   "DhcpOptionsId" : "default",
   "VpcId" : "vpc-a01106c2"
},
"output" : null,
"title" : "To associate the default DHCP options set with a VPC"
} ],
"AssociateRouteTable" : [ {
"comments" : {
   "input" : { },
   "output" : { }
},
"description" : "This example associates the specified route table with the specified VPC.",
"id" : "ec2-associate-route-table-1",
"input" : {
   "RouteTableId" : "rtb-1a2b3c4d",
   "VpcId" : "vpc-a01106c2"
},
"output" : null,
"title" : "To associate a route table with a VPC"
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    "RouteTableId": "rtb-22574640"
},
"output": {
    "AssociationId": "rtbassoc-781d0d1a"
},
"title": "To associate a route table with a subnet"
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"AttachInternetGateway": [ {
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    "id": "ec2-attach-internet-gateway-1",
    "input": {
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        "VpcId": "vpc-a01106c2"
    },
    "output": null,
    "title": "To attach an Internet gateway to a VPC"
} ],
"AttachNetworkInterface": [ {
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    "id": "ec2-attach-network-interface-1",
    "input": {
        "NetworkInterfaceId": "eni-e5aa89a3",
        "InstanceId": "i-1234567890abcdef0",
        "DeviceIndex": 1
    },
    "output": {
        "AttachmentId": "eni-attach-66c4350a"
    },
    "title": "To attach a network interface to an instance"
} ],
"AttachVolume": [ {
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        "output": {}
    },
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        "RouteTableId": "rtb-22574640"
    },
    "output": {
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    },
    "title": "To associate a route table with a subnet"
} ]
"input" : { },
"output" : { }
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"description" : "This example attaches a volume ("vol-1234567890abcdef0") to an instance ("i-01474ef662b89480") as "/dev/sdf.",
"id" : "to-attach-a-volume-to-an-instance-1472499213109",
"input" : {
"VolumeId" : "vol-1234567890abcdef0",
"InstanceId" : "i-01474ef662b89480",
"Device" : "/dev/sdf"
},
"output" : {
"VolumeId" : "vol-1234567890abcdef0",
"InstanceId" : "i-01474ef662b89480",
"Device" : "/dev/sdf",
"State" : "attaching",
"AttachTime" : "2016-08-29T18:52:32.724Z"
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"title" : "To attach a volume to an instance"
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"CancelSpotFleetRequests" : [ {
"comments" : {
"input" : { },
"output" : { }
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"description" : "This example cancels the specified Spot fleet request and terminates its associated Spot Instances.",
"id" : "ec2-cancel-spot-fleet-requests-1",
"input" : {
"SpotFleetRequestIds" : [ "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE" ],
"TerminateInstances" : true
},
"output" : {
"SuccessfulFleetRequests" : [ { 
"SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
"CurrentSpotFleetRequestState" : "cancelled_running",
"PreviousSpotFleetRequestState" : "active"
} ]
},
"title" : "To cancel a Spot fleet request",
"id" : "ec2-cancel-spot-fleet-requests-2",
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example cancels the specified Spot fleet request without terminating its associated Spot Instances.",
"id" : "ec2-cancel-spot-fleet-requests-3"
"input": {  
"SpotFleetRequestIds": [ "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE" ],  
"TerminateInstances": false  
},  
"output": {  
"SuccessfulFleetRequests": [ {   
"SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",   
"CurrentSpotFleetRequestState": "cancelled_terminating",   
"PreviousSpotFleetRequestState": "active"  
} ]  
},  
"title": "To cancel a Spot fleet request without terminating its Spot Instances"} 
] 
"CancelSpotInstanceRequests": [ {  
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"input": { },  
"output": { }  
},  
"description": "This example cancels a Spot Instance request.",  
"id": "ec2-cancel-spot-instance-requests-1",  
"input": {  
"SpotInstanceRequestIds": [ "sir-08b93456" ]  
},  
"output": {  
"CancelledSpotInstanceRequests": [ {   
"SpotInstanceRequestId": "sir-08b93456",   
"State": "cancelled"  
} ]  
},  
"title": "To cancel Spot Instance requests"} 
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"ConfirmProductInstance": [ {  
"comments": {  
"input": { },  
"output": { }  
},  
"description": "This example determines whether the specified product code is associated with the specified instance.",  
"id": "to-confirm-the-product-instance-1472712108494",  
"input": {  
"ProductCode": "774F4FF8",  
"InstanceId": "i-1234567890abcdef0"  
},  
"output": {   
"OwnerId": "123456789012"  
},  
"title": "To confirm the product instance"} 
] 
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"CopySnapshot" : [ { "comments" : { "input" : { }, "output" : { } }, "description" : "This example copies a snapshot with the snapshot ID of `snap-066877671789bd71b` from the `us-west-2` region to the `us-east-1` region and adds a short description to identify the snapshot.", "id" : "to-copy-a-snapshot-1472502259774", "input" : { "SourceRegion" : "us-west-2", "SourceSnapshotId" : "snap-066877671789bd71b", "Description" : "This is my copied snapshot.", "DestinationRegion" : "us-east-1" }, "output" : { "SnapshotId" : "snap-066877671789bd71b" }, "title" : "To copy a snapshot" } ], "CreateCustomerGateway" : [ { "comments" : { "input" : { }, "output" : { } }, "description" : "This example creates a customer gateway with the specified IP address for its outside interface.", "id" : "ec2-create-customer-gateway-1", "input" : { "Type" : "ipsec.1", "PublicIp" : "12.1.2.3", "BgpAsn" : 65534 }, "output" : { "CustomerGateway" : { "CustomerGatewayId" : "cgw-0e11f167", "State" : "available", "Type" : "ipsec.1", "IpAddress" : "12.1.2.3", "BgpAsn" : "65534" } }, "title" : "To create a customer gateway" } ], "CreateDhcpOptions" : [ { "comments" : { "input" : { }, "output" : { } } }, "CreateInternetGateway" : [ { "comments" : { "input" : { }, "output" : { } } }, "CreateNetworkAcl" : [ { "comments" : { "input" : { }, "output" : { } } }, "CreateVolume" : [ { "comments" : { "input" : { }, "output" : { } } } ] } ]}
"description": "This example creates a DHCP options set.",
"id": "ec2-create-dhcp-options-1",
"input": {
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    "Key": "domain-name-servers",
    "Values": ["10.2.5.1", "10.2.5.2"]
  }]
},
"output": {
  "DhcpOptions": {
    "DhcpOptionsId": "dopt-d9070ebb",
    "DhcpConfigurations": [{
      "Key": "domain-name-servers",
      "Values": ["10.2.5.2", "10.2.5.1"]
    }]
  }
},
"title": "To create a DHCP options set"
}],
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    "input": {},
    "output": {} }
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"id": "ec2-create-internet-gateway-1",
"input": null,
"output": {
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    "InternetGatewayId": "igw-c0a643a9",
    "Attachments": [],
    "Tags": []
  }
},
"title": "To create an Internet gateway"
}],
"CreateKeyPair": [{
  "comments": {
    "input": {},
    "output": {} }
},
  "description": "This example creates a key pair named my-key-pair.",
"id": "ec2-create-key-pair-1",
"input": {
  "KeyName": "my-key-pair"
},
"output": null,
"title": "To create a key pair"
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    "output" : { }  
  },  
  "description" : "This example creates a NAT gateway in subnet subnet-1a2b3c4d and associates an Elastic IP address with the allocation ID eipalloc-37fc1a52 with the NAT gateway.",  
  "id" : "ec2-create-nat-gateway-1",  
  "input" : {  
    "SubnetId" : "subnet-1a2b3c4d",  
    "AllocationId" : "eipalloc-37fc1a52"  
  },  
  "output" : {  
    "NatGateway" : {  
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      "SubnetId" : "subnet-1a2b3c4d",  
      "NatGatewayId" : "nat-08d48ef2a8e83edfd",  
      "CreateTime" : "2015-12-17T12:45:26.732Z",  
      "NatGatewayAddresses" : [ {  
        "AllocationId" : "eipalloc-37fc1a52"  
      } ],  
      "State" : "pending"  
    }  
  },  
  "title" : "To create a NAT gateway"  
}],  
"CreateNetworkAcl" : [ {  
  "comments" : {  
    "input" : { },  
    "output" : { }  
  },  
  "description" : "This example creates a network ACL for the specified VPC.",  
  "id" : "ec2-create-network-acl-1",  
  "input" : {  
    "VpcId" : "vpc-a01106c2"  
  },  
  "output" : {  
    "NetworkAcl" : {  
      "NetworkAclId" : "acl-5fb85d36",  
      "VpcId" : "vpc-a01106c2",  
      "IsDefault" : false,  
      "Entries" : [ {  
        "RuleNumber" : 32767,  
        "Protocol" : "-1",  
        "RuleAction" : "deny",  
        "Egress" : true,  
        "CidrBlock" : "0.0.0.0/0"  
      } ]  
    }  
  }  
}]

"RuleNumber" : 32767,
"Protocol" : "-1",
"RuleAction" : "deny",
"Egress" : false,
"CidrBlock" : "0.0.0.0/0"
} ],
"Associations" : [ ],
"Tags" : [ ]
}
},
"title" : "To create a network ACL"
} ],
"CreateNetworkAclEntry" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates an entry for the specified network ACL. The rule allows ingress traffic from anywhere (0.0.0.0/0) on UDP port 53 (DNS) into any associated subnet.",
"id" : "ec2-create-network-acl-entry-1",
"input" : {
"NetworkAclId" : "acl-5fb85d36",
"RuleNumber" : 100,
"Protocol" : "udp",
"RuleAction" : "allow",
"Egress" : false,
"CidrBlock" : "0.0.0.0/0",
"PortRange" : {
"From" : 53,
"To" : 53
}
},
"output" : null,
"title" : "To create a network ACL entry"
} ],
"CreateNetworkInterface" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates a network interface for the specified subnet.",
"id" : "ec2-create-network-interface-1",
"input" : {
"SubnetId" : "subnet-9d4a7b6c",
"Description" : "my network interface",
"PrivateIpAddress" : "10.0.2.17",
"Groups" : [ "sg-903004f8" ]
} ]
"output" : {
  "NetworkInterface" : { 
    "NetworkInterfaceId" : "eni-e5aa89a3",
    "SubnetId" : "subnet-9d4a7b6e",
    "VpcId" : "vpc-a01106c2",
    "AvailabilityZone" : "us-east-1d",
    "Description" : "my network interface",
    "OwnerId" : "123456789012",
    "RequesterManaged" : false,
    "Status" : "pending",
    "MacAddress" : "02:1a:80:41:52:9c",
    "PrivateIpAddress" : "10.0.2.17",
    "SourceDestCheck" : true,
    "Groups" : [ 
      { "GroupName" : "default",
        "GroupId" : "sg-903004f8"
      } ],
    "TagSet" : [ ],
    "PrivateIpAddresses" : [ 
      { "PrivateIpAddress" : "10.0.2.17",
        "Primary" : true
      } ]
  },
  "title" : "To create a network interface"
},
"CreatePlacementGroup" : [ 
  { 
    "comments" : { 
      "input" : { },
      "output" : { }
    },
    "description" : "This example creates a placement group with the specified name.",
    "id" : "to-create-a-placement-group-1472712245768",
    "input" : { 
      "GroupName" : "my-cluster",
      "Strategy" : "cluster"
    },
    "output" : { },
    "title" : "To create a placement group"
  },
  "CreateRoute" : [ 
    { 
      "comments" : { 
        "input" : { },
        "output" : { }
      },
      "description" : "This example creates a route for the specified route table. The route matches all traffic (0.0.0.0/0) and routes it to the specified Internet gateway.",
    }
  ]}
"id" : "ec2-create-route-1",
"input" : {
  "RouteTableId" : "rtb-22574640",
  "DestinationCidrBlock" : "0.0.0.0/0",
  "GatewayId" : "igw-c0a643a9"
},
"output" : null,
"title" : "To create a route"
}],
"CreateRouteTable" : [ {
  "comments" : {
    "input" : {},
    "output" : {}  
  },
  "description" : "This example creates a route table for the specified VPC.",
  "id" : "ec2-create-route-table-1",
  "input" : {
    "VpcId" : "vpc-a01106c2"
  },
  "output" : {
    "RouteTable" : {
      "RouteTableId" : "rtb-22574640",
      "VpcId" : "vpc-a01106c2",
      "Routes" : [ {
        "DestinationCidrBlock" : "10.0.0.0/16",
        "GatewayId" : "local",
        "State" : "active"
      } ],
      "Associations" : [ ],
      "Tags" : [ ],
      "PropagatingVgws" : [ ]
    }
  },
  "title" : "To create a route table"
}],
"CreateSnapshot" : [ {
  "comments" : {
    "input" : {},
    "output" : {}  
  },
  "description" : "This example creates a snapshot of the volume with a volume ID of `vol-1234567890abcdef0` and a short description to identify the snapshot.",
  "id" : "to-create-a-snapshot-1472502529790",
  "input" : {
    "VolumeId" : "vol-1234567890abcdef0",
    "Description" : "This is my root volume snapshot."
  },
  "output" : {


"SnapshotId": "snap-066877671789bd71b",
"VolumeId": "vol-1234567890abcdef0",
"State": "pending",
"StartTime": "2014-02-28T21:06:01.000Z",
"OwnerId": "012345678910",
"Description": "This is my root volume snapshot.",
"VolumeSize": 8,
"Tags": [],
"title": "To create a snapshot"
],
"CreateSpotDatafeedSubscription": [
"comments": {
"input": {},
"output": {}
},
"description": "This example creates a Spot Instance data feed for your AWS account.",
"id": "ec2-create-spot-datafeed-subscription-1",
"input": {
"Bucket": "my-s3-bucket",
"Prefix": "spotdata"
},
"output": {
"SpotDatafeedSubscription": {
"OwnerId": "123456789012",
"Bucket": "my-s3-bucket",
"Prefix": "spotdata",
"State": "Active"
}
},
"title": "To create a Spot Instance datafeed"
],
"CreateSubnet": [
"comments": {
"input": {},
"output": {}
},
"description": "This example creates a subnet in the specified VPC with the specified CIDR block. We recommend that you let us select an Availability Zone for you.",
"id": "ec2-create-subnet-1",
"input": {
"VpcId": "vpc-a01106c2",
"CidrBlock": "10.0.1.0/24"
},
"output": {
"Subnet": {
"SubnetId": "subnet-9d4a7b6c",
"State": "pending"}}
"VpcId" : "vpc-a01106c2",
"CidrBlock" : "10.0.1.0/24",
"AvailableIpAddressCount" : 251,
"AvailabilityZone" : "us-west-2c"
}
],
"title" : "To create a subnet"
]},
"CreateTags" : [ { "comments" : {},
"input" : { },
"output" : { }
},
"description" : "This example adds the tag Stack=production to the specified image, or overwrites an existing tag for the AMI where the tag key is Stack."
],
"id" : "ec2-create-tags-1",
"input" : {
"Resources" : [ "ami-78a54011" ],
"Tags" : [ {
"Key" : "Stack",
"Value" : "production"
} ]
},
"output" : null,
"title" : "To add a tag to a resource"
]},
"CreateVolume" : [ { "comments" : {},
"input" : { },
"output" : { }
},
"description" : "This example creates an 80 GiB General Purpose (SSD) volume in the Availability Zone `us-east-1a`."
],
"id" : "to-create-a-new-volume-1472496724296",
"input" : {
"Size" : 80,
"AvailabilityZone" : "us-east-1a",
"VolumeType" : "gp2"
},
"output" : {
"VolumeId" : "vol-6b60b7c7",
"Size" : 80,
"SnapshotId" : ",
"AvailabilityZone" : "us-east-1a",
"State" : "creating",
"CreateTime" : "2016-08-29T18:52:32.724Z",
"VolumeType" : "gp2",
"Iops" : 240,
"Encrypted" : false 
},
"title" : "To create a new volume"
],
"comments" : {
"input" : {},
"output" : {} 
},
"description" : "This example creates a new Provisioned IOPS (SSD) volume with 1000 provisioned IOPS from a snapshot in the Availability Zone ``us-east-1a``.
"id" : "to-create-a-new-provisioned-iops-ssd-volume-from-a-snapshot-1472498975176",
"input" : {
"SnapshotId" : "snap-066877671789bd71b",
"AvailabilityZone" : "us-east-1a",
"VolumeType" : "io1",
"Iops" : 1000 
},
"output" : {
"VolumeId" : "vol-1234567890abcdef0",
"Size" : 500,
"SnapshotId" : "snap-066877671789bd71b",
"AvailabilityZone" : "us-east-1a",
"State" : "creating",
"CreateTime" : "2016-08-29T18:52:32.724Z",
"Attachments" : [ ],
"Tags" : [ ],
"VolumeType" : "io1",
"Iops" : 1000 
},
"title" : "To create a new Provisioned IOPS (SSD) volume from a snapshot"
},
"CreateVpc" : [ {
"comments" : {
"input" : {},
"output" : {} 
},
"description" : "This example creates a VPC with the specified CIDR block.",
"id" : "ec2-create-vpc-1",
"input" : {
"CidrBlock" : "10.0.0.0/16"
},
"output" : {
"Vpc" : {
"VpcId" : "vpc-a01106c2",
"State" : "pending",
"CidrBlock" : "10.0.0.0/16",
"DhcpOptionsId" : "dopt-7a8b9c2d",
"InstanceTenancy" : "default" 
}}
"DeleteCustomerGateway" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example deletes the specified customer gateway.",
  "id" : "ec2-delete-customer-gateway-1",
  "input" : {
    "CustomerGatewayId" : "cgw-0e11f167"
  },
  "output" : null,
  "title" : "To delete a customer gateway"
 },
"DeleteDhcpOptions" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example deletes the specified DHCP options set.",
  "id" : "ec2-delete-dhcp-options-1",
  "input" : {
    "DhcpOptionsId" : "dopt-d9070ebb"
  },
  "output" : null,
  "title" : "To delete a DHCP options set"
 },
"DeleteInternetGateway" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example deletes the specified Internet gateway.",
  "id" : "ec2-delete-internet-gateway-1",
  "input" : {
    "InternetGatewayId" : "igw-c0a643a9"
  },
  "output" : null,
  "title" : "To delete an Internet gateway"
 },
"DeleteKeyPair" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example deletes the specified key pair.",
  "id" : "ec2-delete-key-pair-1",
  "input" : {
    "KeyName" : "test-key"
  },
  "output" : null,
  "title" : "To delete a key pair"
"description": "This example deletes the specified key pair.",
"id": "ec2-delete-key-pair-1",
"input": {
  "KeyName": "my-key-pair"
},
"output": null,
"title": "To delete a key pair"
],
"DeleteNatGateway": [
  {
    "comments": {
      "input": {},
      "output": {}
    },
    "description": "This example deletes the specified NAT gateway.",
    "id": "ec2-delete-nat-gateway-1",
    "input": {
      "NatGatewayId": "nat-04ae55e711cec5680"
    },
    "output": {
      "NatGatewayId": "nat-04ae55e711cec5680"
    },
    "title": "To delete a NAT gateway"
  }
],
"DeleteNetworkAcl": [
  {
    "comments": {
      "input": {},
      "output": {}
    },
    "description": "This example deletes the specified network ACL.",
    "id": "ec2-delete-network-acl-1",
    "input": {
      "NetworkAclId": "acl-5fb85d36"
    },
    "output": null,
    "title": "To delete a network ACL"
  }
],
"DeleteNetworkAclEntry": [
  {
    "comments": {
      "input": {},
      "output": {}
    },
    "description": "This example deletes ingress rule number 100 from the specified network ACL.",
    "id": "ec2-delete-network-acl-entry-1",
    "input": {
      "NetworkAclId": "acl-5fb85d36",
      "RuleNumber": 100,
      "Egress": true
    }
  },
"output" : null,
"title" : "To delete a network ACL entry"
} ],
"DeleteNetworkInterface" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified network interface.",
"id" : "ec2-delete-network-interface-1",
"input" : {
"NetworkInterfaceId" : "eni-5a89a3"
},
"output" : null,
"title" : "To delete a network interface"
} ],
"DeletePlacementGroup" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified placement group.\n",
"id" : "to-delete-a-placement-group-1472712349959",
"input" : {
"GroupName" : "my-cluster"
},
"output" : { },
"title" : "To delete a placement group"
} ],
"DeleteRoute" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified route from the specified route table.",
"id" : "ec2-delete-route-1",
"input" : {
"RouteTableId" : "rtb-22574640",
"DestinationCidrBlock" : "0.0.0.0/0"
},
"output" : null,
"title" : "To delete a route"
} ],
"DeleteRouteTable" : [ {
"comments" : {
"input" : { },
"output" : { }
} },
"description": "This example deletes the specified route table.",
"id": "ec2-delete-route-table-1",
"input": {
  "RouteTableId": "rtb-22574640"
},
"output": null,
"title": "To delete a route table"
},
"DeleteSnapshot": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example deletes a snapshot with the snapshot ID of `snap-1234567890abcdef0`. If the command succeeds, no output is returned.",
  "id": "to-delete-a-snapshot-1472503042567",
  "input": {
    "SnapshotId": "snap-1234567890abcdef0"
  },
  "output": { },
  "title": "To delete a snapshot"
} ],
"DeleteSpotDatafeedSubscription": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example deletes a Spot data feed subscription for the account.",
  "id": "ec2-delete-spot-datafeed-subscription-1",
  "input": null,
  "output": null,
  "title": "To cancel a Spot Instance data feed subscription"
} ],
"DeleteSubnet": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified subnet.",
  "id": "ec2-delete-subnet-1",
  "input": {
    "SubnetId": "subnet-9d4a7b6c"
  },
  "output": null,
  "title": "To delete a subnet"
} ],
"DeleteTags": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example deletes the specified route table.",
  "id": "ec2-delete-route-table-1",
  "input": {
    "RouteTableId": "rtb-22574640"
  },
  "output": null,
  "title": "To delete a route table"
} ]}
"input" : { },
"output" : { }
},
"description" : "This example deletes the tag Stack=test from the specified image.",
"id" : "ec2-delete-tags-1",
"input" : {
"Resources" : [ "ami-78a54011" ],
"Tags" : [ {
"Key" : "Stack",
"Value" : "test"
} ]
},
"output" : null,
"title" : "To delete a tag from a resource"
].
"DeleteVolume" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes an available volume with the volume ID of `vol-049df61146c4d7901`. If the command succeeds, no output is returned.",
"id" : "to-delete-a-volume-1472503111160",
"input" : {
"VolumeId" : "vol-049df61146c4d7901"
},
"output" : { },
"title" : "To delete a volume"
}],
"DeleteVpc" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example deletes the specified VPC.",
"id" : "ec2-delete-vpc-1",
"input" : {
"VpcId" : "vpc-a01106c2"
},
"output" : null,
"title" : "To delete a VPC"
}],
"DescribeAccountAttributes" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the supported-platforms attribute for your AWS account.",
"id" : "ec2-describe-account-attributes-1"
]};
"id" : "ec2-describe-account-attributes-1",
"input" : {
  "AttributeName" : "supported-platforms",
  "AttributeValues" : [ 
    "AttributeValue" : "EC2"
  ]
},
"output" : {
  "AccountAttributes" : [ 
    { 
      "AttributeName" : "supported-platforms",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "VPC"
        },
        { 
          "AttributeValue" : "EC2"
        }
      ]
    }
  ]
},
"title" : "To describe a single attribute for your AWS account"
}, {
"comments" : {
  "input" : { },
  "output" : { }
},
"description" : "This example describes the attributes for your AWS account.",
"id" : "ec2-describe-account-attributes-2",
"input" : null,
"output" : {
  "AccountAttributes" : [ 
    { 
      "AttributeName" : "supported-platforms",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "VPC"
        },
        { 
          "AttributeValue" : "EC2"
        }
      ]
    }, 
    { 
      "AttributeName" : "vpc-max-security-groups-per-interface",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "5"
        }
      ]
    }, 
    { 
      "AttributeName" : "max-elastic-ips",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "5"
        }
      ]
    }, 
    { 
      "AttributeName" : "max-instances",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "20"
        }
      ]
    }, 
    { 
      "AttributeName" : "vpc-max-elastic-ips",
      "AttributeValues" : [ 
        { 
          "AttributeValue" : "5"
        }
      ]
    }
  ]
}
"AttributeValues" : [ { 
    "AttributeName" : "default-vpc",
    "AttributeValues" : [ { 
        "AttributeValue" : "none"
    } ]
} ]

"title" : "To describe all attributes for your AWS account"

"DescribeAddresses" : [ { 
    "comments" : { 
        "input" : {},
        "output" : {}
    },
    "description" : "This example describes your Elastic IP addresses."
    "id" : "ec2-describe-addresses-1",
    "input" : null,
    "output" : { 
        "Addresses" : [ { 
            "InstanceId" : "i-1234567890abcdef0",
            "PublicIp" : "198.51.100.0",
            "Domain" : "standard"
        }, { 
            "InstanceId" : "i-1234567890abcdef0",
            "PublicIp" : "203.0.113.0",
            "AllocationId" : "eipalloc-12345678",
            "AssociationId" : "eipassoc-12345678",
            "Domain" : "vpc",
            "NetworkInterfaceId" : "eni-12345678",
            "NetworkInterfaceOwnerId" : "123456789012",
            "PrivateIpAddress" : "10.0.1.241"
        } ]
    },
    "title" : "To describe your Elastic IP addresses"
} ]

"description" : "This example describes your Elastic IP addresses for use with instances in a VPC."
"id" : "ec2-describe-addresses-2",
"input" : {
    "Filters" : [ {
        "Name" : "domain",
        "Values" : [ "vpc" ]
    } ]
}
"output" : { 
  "Addresses" : [ 
    { 
      "InstanceId" : "i-1234567890abcdef0",
      "PublicIp" : "203.0.113.0",
      "AllocationId" : "eipalloc-12345678",
      "AssociationId" : "eipassoc-12345678",
      "Domain" : "vpc",
      "NetworkInterfaceId" : "eni-12345678",
      "NetworkInterfaceOwnerId" : "123456789012",
      "PrivateIpAddress" : "10.0.1.241"
    } 
  ]
},
"title" : "To describe your Elastic IP addresses for EC2-VPC"
},
"comments" : {
  "input" : { },
  "output" : { }
},
"description" : "This example describes your Elastic IP addresses for use with instances in EC2-Classic.",
"id" : "ec2-describe-addresses-3",
"input" : {
  "Filters" : [ 
    { 
      "Name" : "domain",
      "Values" : [ "standard" ]
    } 
  ]
},
"output" : { 
  "Addresses" : [ 
    { 
      "InstanceId" : "i-1234567890abcdef0",
      "PublicIp" : "198.51.100.0",
      "Domain" : "standard"
    } 
  ]
},
"title" : "To describe your Elastic IP addresses for EC2-Classic"
}],
"DescribeAvailabilityZones" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes the Availability Zones that are available to you. The response includes Availability Zones only for the current region.",
  "id" : "ec2-describe-availability-zones-1",
  "input" : null,
  "output" : {
    "AvailabilityZones" : [ 
      } } ]}
"ZoneName": "us-east-1b",
"State": "available",
"RegionName": "us-east-1",
"Messages": []
},

"ZoneName": "us-east-1c",
"State": "available",
"RegionName": "us-east-1",
"Messages": []
},

"ZoneName": "us-east-1d",
"State": "available",
"RegionName": "us-east-1",
"Messages": []
},

"ZoneName": "us-east-1e",
"State": "available",
"RegionName": "us-east-1",
"Messages": []
]
}

"title": "To describe your Availability Zones"
],

"DescribeCustomerGateways": [ {

"comments": {
"input": {},
"output": {} }
},

"description": "This example describes the specified customer gateway.",
"id": "ec2-describe-customer-gateways-1",

"input": {
"CustomerGatewayIds": [ "cgw-0e1f167" ]
}

"output": {
"CustomerGateways": [ {
"CustomerGatewayId": "cgw-0e1f167",
"State": "available",
"Type": "ipsec.1",
"IpAddress": "12.1.2.3",
"BgpAsn": "65534"
} ]
}

"title": "To describe a customer gateway"
],

"DescribeDhcpOptions": [ {

"comments": {
"input": {},
"output": {} }
}
"description": "This example describes the specified DHCP options set.",
"id": "ec2-describe-dhcp-options-1",
"input": {
  "DhcpOptionsIds": [ "dopt-d9070ebb" ]
},
"output": {
  "DhcpOptions": [ {
    "DhcpOptionsId": "dopt-d9070ebb",
    "DhcpConfigurations": [ {
      "Key": "domain-name-servers",
      "Values": [ "10.2.5.2", "10.2.5.1" ]
    } ]
  } ]
},
"title": "To describe a DHCP options set"
},
"DescribeInstanceAttribute": [ {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example describes the instance type of the specified instance.\n",
  "id": "to-describe-the-instance-type-1472712432132",
  "input": {
    "InstanceId": "i-1234567890abcdef0",
    "Attribute": "instanceType"
  },
  "output": {
    "InstanceId": "i-1234567890abcdef0",
    "InstanceType": "t1.micro"
  },
  "title": "To describe the instance type"
}, {
  "comments": {
    "input": { },
    "output": { }
  },
  "description": "This example describes the \"disableApiTermination\" attribute of the specified instance.\n",
  "id": "to-describe-the-disableapitermination-attribute-1472712533466",
  "input": {
    "InstanceId": "i-1234567890abcdef0",
    "Attribute": "disableApiTermination"
  },
  "output": {
    "InstanceId": "i-1234567890abcdef0",
    "DisableApiTermination": "false"
  },
"title": "To describe the disableApiTermination attribute",
},
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the `blockDeviceMapping` attribute of the specified instance.
"id": "to-describe-the-block-device-mapping-for-an-instance-1472712645423",
"input": {
"InstanceId": "i-1234567890abcdef0",
"Attribute": "blockDeviceMapping"
},
"output": {
"InstanceId": "i-1234567890abcdef0",
"BlockDeviceMappings": [
{ "DeviceName": "/dev/sda1",
  "Ebs": {
    "VolumeId": "vol-049df61146c4d7901",
    "Status": "attached",
    "AttachTime": "2013-05-17T22:42:34.000Z",
    "DeleteOnTermination": true
  }
},
{ "DeviceName": "/dev/sdf",
  "Ebs": {
    "VolumeId": "vol-049df61146c4d7901",
    "Status": "attached",
    "AttachTime": "2013-09-10T23:07:00.000Z",
    "DeleteOnTermination": false
  }
}
],
"title": "To describe the block device mapping for an instance"
}],
"DescribeInternetGateways": [
{ "comments": {
"input": {},
"output": {}
},
"description": "This example describes the Internet gateway for the specified VPC.",
"id": "ec2-describe-internet-gateways-1",
"input": {
"Filters": [
{ "Name": "attachment.vpc-id",
  "Values": ["vpc-a01106c2"]
}
],
"output": {
"InternetGateways" : [ 
  "InternetGatewayId" : "igw-c0a643a9",
  "Attachments" : [ 
    "VpcId" : "vpc-a01106e2",
    "State" : "available"
  ],
  "Tags" : [ ]
],

"title" : "To describe the Internet gateway for a VPC"
],

"DescribeKeyPairs" : [ 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example displays the fingerprint for the specified key.",
  "id" : "ec2-describe-key-pairs-1",
  "input" : { 
    "KeyNames" : [ "my-key-pair" ]
  },
  "output" : { 
    "KeyPairs" : [ 
      "KeyName" : "my-key-pair",
    ]
  },
  "title" : "To display a key pair"
],

"DescribeMovingAddresses" : [ 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes all of your moving Elastic IP addresses.",
  "id" : "ec2-describe-moving-addresses-1",
  "input" : null,
  "output" : { 
    "MovingAddressStatuses" : [ 
      "PublicIp" : "198.51.100.0",
      "MoveStatus" : "MovingToVpc"
    ]
  },
  "title" : "To describe your moving addresses"
],

"DescribeNatGateways" : [ 
  "comments" : { 
    "input" : { }
  },
  "input" : { },
This example describes the NAT gateway for the specified VPC.

```
"id" : "ec2-describe-nat-gateways-1",
"input" : {
  "Filter" : [ {
    "Name" : "vpc-id",
    "Values" : [ "vpc-1a2b3c4d" ]
  } ]
},
"output" : {
  "NatGateways" : [ {
    "VpcId" : "vpc-1a2b3c4d",
    "SubnetId" : "subnet-847e4dc2",
    "NatGatewayId" : "nat-05dba92075d71c408",
    "CreateTime" : "2015-12-01T12:26:55.983Z",
    "NatGatewayAddresses" : [ {
      "PublicIp" : "198.11.222.333",
      "AllocationId" : "eipalloc-89c620ec",
      "PrivateIp" : "10.0.0.149",
      "NetworkInterfaceId" : "eni-9dec76cd"
    } ],
    "State" : "available"
  } ],
  "NatGateways" : [ {
    "VpcId" : "vpc-1a2b3c4d",
    "SubnetId" : "subnet-847e4dc2",
    "NatGatewayId" : "nat-05dba92075d71c408",
    "CreateTime" : "2015-12-01T12:26:55.983Z",
    "NatGatewayAddresses" : [ {
      "PublicIp" : "198.11.222.333",
      "AllocationId" : "eipalloc-89c620ec",
      "PrivateIp" : "10.0.0.149",
      "NetworkInterfaceId" : "eni-9dec76cd"
    } ],
    "State" : "available"
  } ],
  "title" : "To describe a NAT gateway"
}
```

This example describes the specified network ACL.

```
"id" : "ec2-",
"input" : {
  "NetworkAclIds" : [ "acl-5fb85d36" ]
},
"output" : {
  "NetworkAcls" : [ {
    "NetworkAclId" : "acl-5fb85d36",
    "VpcId" : "vpc-a01106c2",
    "IsDefault" : false,
    "Entries" : [ {
      "RuleNumber" : 32767,
      "Protocol" : ":-1",
      "RuleAction" : "deny",
      "Egress" : true,
      "CidrBlock" : "0.0.0.0/0"
    } ]
  } ]
```

}, [  
  "RuleNumber" : 32767,
  "Protocol" : ":-1",
  "RuleAction" : "deny",
  "Egress" : false,
  "CidrBlock" : "0.0.0.0/0"
} ],
"Associations" : [ {
  "NetworkAclAssociationId" : "aclassoc-66ea5f0b",
  "NetworkAclId" : "acl-9aeb5ef7",
  "SubnetId" : "subnet-65ea5f08"
} ],
"Tags" : []
]
],
"title" : "To describe a network ACL"
]
],
"DescribeNetworkInterfaceAttribute" : [ {  
  "comments" : {  
    "input" : { },
    "output" : { }  
  },
  "description" : "This example describes the attachment attribute of the specified network interface.",
  "id" : "ec2-describe-network-interface-attribute-1",
  "input" : {  
    "NetworkInterfaceId" : "eni-686ea200",
    "Attribute" : "attachment"
  },
  "output" : {  
    "NetworkInterfaceId" : "eni-686ea200",
    "Attachment" : [  
      "AttachmentId" : "eni-attach-43348162",
      "InstanceId" : "i-1234567890abcdef0",
      "InstanceIdOwnerId" : "123456789012",
      "DeviceIndex" : 0,
      "Status" : "attached",
      "AttachTime" : "2015-05-21T20:02:20.000Z",
      "DeleteOnTermination" : true
    ]
  },
  "title" : "To describe the attachment attribute of a network interface"
}, {  
  "comments" : {  
    "input" : { },
    "output" : { }  
  },
  "description" : "This example describes the description attribute of the specified network interface.",
  "id" : "ec2-describe-network-interface-attribute-2",  

To describe the description attribute of a network interface

This example describes the groupSet attribute of the specified network interface.

To describe the sourceDestCheck attribute of a network interface
"output": { 
},
"description": "",
"id": "ec2-describe-network-interfaces-1",
"input": {
  "NetworkInterfaceIds": [ "eni-e5aa89a3" ]
},
"output": {
  "NetworkInterfaces": [ {
    "NetworkInterfaceId": "eni-e5aa89a3",
    "SubnetId": "subnet-b61f49f0",
    "VpcId": "vpc-a01106ec2",
    "AvailabilityZone": "us-east-1d",
    "Description": "my network interface",
    "OwnerId": "123456789012",
    "RequesterManaged": false,
    "Status": "in-use",
    "MacAddress": "02:2f:8f:b0:cf:75",
    "PrivateIpAddress": "10.0.1.17",
    "PrivateDnsName": "ip-10-0-1-17.ec2.internal",
    "SourceDestCheck": true,
    "Groups": [ {
      "GroupName": "default",
      "GroupId": "sg-8637d3e3"
    } ],
    "Attachment": {
      "AttachmentId": "eni-attach-66e4350a",
      "InstanceId": "i-1234567890abedef0",
      "InstanceOwnerId": "123456789012",
      "DeviceIndex": 1,
      "Status": "attached",
      "AttachTime": "2013-11-30T23:36:42.000Z",
      "DeleteOnTermination": false
    },
    "Association": {
      "PublicIp": "203.0.113.12",
      "PublicDnsName": "ec2-203-0-113-12.compute-1.amazonaws.com",
      "IpOwnerId": "123456789012",
      "AssociationId": "eipassoc-0fbb766a"
    },
    "TagSet": [ ],
    "PrivateIpAddresses": [ {
      "PrivateIpAddress": "10.0.1.17",
      "PrivateDnsName": "ip-10-0-1-17.ec2.internal",
      "Primary": true,
      "Association": {
        "PublicIp": "203.0.113.12",
        "PublicDnsName": "ec2-203-0-113-12.compute-1.amazonaws.com",
      }
    } ]
  }
}
"IpOwnerId" : "123456789012",
"AssociationId" : "eipassoc-0fbb766a"
}
] ]
},
"title" : "To describe a network interface"
}],
"DescribeRegions" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes all the regions that are available to you.",
"id" : "ec2-describe-regions-1",
"input" : null,
"output" : { 

"Regions" : [ {
"RegionName" : "ap-south-1",
"Endpoint" : "ec2.ap-south-1.amazonaws.com"
}, {
"RegionName" : "eu-west-1",
"Endpoint" : "ec2.eu-west-1.amazonaws.com"
}, {
"RegionName" : "ap-southeast-1",
"Endpoint" : "ec2.ap-southeast-1.amazonaws.com"
}, {
"RegionName" : "ap-southeast-2",
"Endpoint" : "ec2.ap-southeast-2.amazonaws.com"
}, {
"RegionName" : "eu-central-1",
"Endpoint" : "ec2.eu-central-1.amazonaws.com"
}, {
"RegionName" : "ap-northeast-2",
"Endpoint" : "ec2.ap-northeast-2.amazonaws.com"
}, {
"RegionName" : "ap-northeast-1",
"Endpoint" : "ec2.ap-northeast-1.amazonaws.com"
}, {
"RegionName" : "us-east-1",
"Endpoint" : "ec2.us-east-1.amazonaws.com"
}, {
"RegionName" : "sa-east-1",
"Endpoint" : "ec2.sa-east-1.amazonaws.com"
}, {
"RegionName" : "us-west-1",
"Endpoint" : "ec2.us-west-1.amazonaws.com"
}, {}
"RegionName" : "us-west-2",
"Endpoint" : "ec2.us-west-2.amazonaws.com"
} 
},
"title" : "To describe your regions"
}],
"DescribeRouteTables" : [ { 
"comments" : { 
"input" : { },
"output" : { } 
},
"description" : "This example describes the specified route table.",
"id" : "ec2-describe-route-tables-1",
"input" : { 
"RouteTableIds" : [ "rtb-1f382e7d" ] 
},
"output" : { 
"RouteTables" : [ { 
"RouteTableId" : "rtb-1f382e7d",
"VpcId" : "vpc-a01106c2",
"Routes" : [ { 
"DestinationCidrBlock" : "10.0.0.0/16",
"GatewayId" : "local",
"State" : "active" 
} ],
"Associations" : [ { 
"RouteTableAssociationId" : "rtbassoc-d8ccddba",
"RouteTableId" : "rtb-1f382e7d",
"Main" : true 
} ],
"Tags" : [ ],
"PropagatingVgws" : [ ] 
} ],
"title" : "To describe a route table"
}],
"DescribeScheduledInstanceAvailability" : [ { 
"comments" : { 
"input" : { },
"output" : { } 
},
"description" : "This example describes a schedule that occurs every week on Sunday, starting on the specified date. Note that the output contains a single schedule as an example.",
"id" : "ec2-describe-scheduled-instance-availability-1",
"input" : { 
"Recurrence" : { 
"Frequency" : "Weekly",
"Interval" : 1,
"OccurrenceDays" : [ 1 ]
},
"FirstSlotStartTimeRange" : {
    "EarliestTime" : "2016-01-31T00:00:00Z",
    "LatestTime" : "2016-01-31T04:00:00Z"
}
},
"output" : {
    "ScheduledInstanceAvailabilitySet" : [ {
        "InstanceType" : "c4.large",
        "Platform" : "Linux/UNIX",
        "NetworkPlatform" : "EC2-VPC",
        "AvailabilityZone" : "us-west-2b",
        "PurchaseToken" : "eyJ2IjoiMSIsInMiOjEsImMiOi...",
        "SlotDurationInHours" : 23,
        "Recurrence" : {
            "Frequency" : "Weekly",
            "Interval" : 1,
            "OccurrenceDaySet" : [ 1 ],
            "OccurrenceRelativeToEnd" : false
        },
        "FirstSlotStartTime" : "2016-01-31T00:00:00Z",
        "HourlyPrice" : "0.095",
        "TotalScheduledInstanceHours" : 1219,
        "AvailableInstanceCount" : 20,
        "MinTermDurationInDays" : 366,
        "MaxTermDurationInDays" : 366
    } ]
},
"title" : "To describe an available schedule"
],
"DescribeScheduledInstances" : [ {
    "comments" : {
        "input" : { }
    },
    "description" : "This example describes the specified Scheduled Instance.",
    "id" : "ec2-describe-scheduled-instances-1",
    "input" : {
        "ScheduledInstanceIds" : [ "sci-1234-1234-1234-1234-123456789012" ]
    },
    "output" : {
        "ScheduledInstanceSet" : [ {
            "ScheduledInstanceId" : "sci-1234-1234-1234-1234-123456789012",
            "InstanceType" : "c4.large",
            "Platform" : "Linux/UNIX",
            "NetworkPlatform" : "EC2-VPC",
            "AvailabilityZone" : "us-west-2b",
            "MinTermDurationInDays" : 366,
            "MaxTermDurationInDays" : 366
        } ]
    }
}]}
"SlotDurationInHours" : 32,
"Recurrence" : {
    "Frequency" : "Weekly",
    "Interval" : 1,
    "OccurrenceDaySet" : [1],
    "OccurrenceRelativeToEnd" : false,
    "OccurrenceUnit" : ""
},
"NextSlotStartTime" : "2016-01-31T09:00:00Z",
"HourlyPrice" : "0.095",
"TotalScheduledInstanceHours" : 1696,
"InstanceCount" : 1,
"TermStartDate" : "2016-01-31T09:00:00Z",
"TermEndDate" : "2017-01-31T09:00:00Z",
"CreateDate" : "2016-01-25T21:43:38.612Z"
}
],
"title" : "To describe your Scheduled Instances"
],
"DescribeSnapshotAttribute" : [ {
    "comments" : {
        "input" : { },
        "output" : { } 
    },
    "description" : "This example describes the \"createVolumePermission\" attribute on a snapshot with the snapshot ID of \"snap-066877671789bd71b\".",
    "id" : "to-describe-snapshot-attributes-1472503199736",
    "input" : {
        "SnapshotId" : "snap-066877671789bd71b",
        "Attribute" : "createVolumePermission"
    },
    "output" : {
        "SnapshotId" : "snap-066877671789bd71b",
        "CreateVolumePermissions" : []
    },
    "title" : "To describe snapshot attributes"
 },
"DescribeSnapshots" : [ {
    "comments" : {
        "input" : { },
        "output" : { } 
    },
    "description" : "This example describes a snapshot with the snapshot ID of \"snap-1234567890abcdef0\".",
    "id" : "to-describe-a-snapshot-1472503807850",
    "input" : {
        "SnapshotIds" : [ "snap-1234567890abcdef0" ]
    },
    "output" : { 

"Snapshots": [ {
  "SnapshotId": "snap-1234567890abcdef0",
  "VolumeId": "vol-049df61146c4d7901",
  "State": "completed",
  "StartTime": "2014-02-28T21:28:32.000Z",
  "Progress": "100%",
  "OwnerId": "012345678910",
  "Description": "This is my snapshot.",
  "VolumeSize": 8
},

"NextToken": ""
],
"title": "To describe a snapshot"
],
"comments": {
  "input": {},
  "output": {} }
},
"description": "This example describes all snapshots owned by the ID 012345678910 that are in the "pending" status.",
"id": "to-describe-snapshots-using-filters-1472503929793",
"input": {
  "OwnerIds": [ "012345678910" ],
  "Filters": [ {
    "Name": "status",
    "Values": [ "pending" ]
  } ]
},

"output": {
  "Snapshots": [ {
    "SnapshotId": "snap-066877671789bd71b",
    "VolumeId": "vol-1234567890abcdef0",
    "State": "pending",
    "StartTime": "2014-02-28T21:37:27.000Z",
    "Progress": "87%",
    "OwnerId": "012345678910",
    "Description": "This is my copied snapshot.",
    "VolumeSize": 8
  } ],
  "NextToken": ""
},

"title": "To describe snapshots using filters"
],
"DescribeSpotDatafeedSubscription": [ {
  "comments": {
    "input": {},
    "output": {} 
  }
}]
}
"description" : "This example describes the Spot Instance datafeed subscription for your AWS account.",
"id" : "ec2-describe-spot-datafeed-subscription-1",
"input" : null,
"output" : { 
  "SpotDatafeedSubscription" : { 
    "OwnerId" : "123456789012",
    "Bucket" : "my-s3-bucket",
    "Prefix" : "spotdata",
    "State" : "Active"
  }
},
"title" : "To describe the datafeed for your AWS account"
},
"DescribeSpotFleetInstances" : [ { 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example lists the Spot Instances associated with the specified Spot fleet.",
  "id" : "ec2-describe-spot-fleet-instances-1",
  "input" : { 
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
  },
  "output" : { 
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
    "ActiveInstances" : [ 
      { 
        "InstanceType" : "m3.medium",
        "InstanceId" : "i-1234567890abcdef0",
        "SpotInstanceRequestId" : "sir-08b93456"
      } 
    ],
  },
  "title" : "To describe the Spot Instances associated with a Spot fleet"
  },
"DescribeSpotFleetRequestHistory" : [ { 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example returns the history for the specified Spot fleet starting at the specified time.",
  "id" : "ec2-describe-spot-fleet-request-history-1",
  "input" : { 
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
    "StartTime" : "2015-05-26T00:00:00Z"
  },
  "output" : { 
    "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
    "StartTime" : "2015-05-26T00:00:00Z",
    "HistoryRecords" : [ ]
  }
}
"EventType" : "fleetRequestChange",
"EventInformation" : { 
    "EventSubType" : "submitted"
}
},

"EventType" : "fleetRequestChange",
"EventInformation" : { 
    "EventSubType" : "active"
}
},

"EventType" : "instanceChange",
"EventInformation" : { 
    "InstanceId" : "i-1234567890abcdef0",
    "EventSubType" : "launched"
}
},

"EventType" : "instanceChange",
"EventInformation" : { 
    "InstanceId" : "i-1234567890abcdef1",
    "EventSubType" : "launched"
}
]},

"NextToken" :
"CpHNsscimcV5oH7bSbub03CI2Qms5yypNpNm+b53MN1R0YcXAkpoF1F91yVxEQmbtma3awYxMFzNA663ZskT0AHj6TCb2Z8bQC2EnZgyELbymtWPjZ1ZbauVg+p+TfG1WxWWB/Vr5dk5d4LfdgA/DRAYgxrEXAMPLE="
},
"title" : "To describe Spot fleet history"
},

"DescribeSpotFleetRequests" : [ 
    { 
        "comments" : { 
            "input" : { },
            "output" : { } 
        },
        "description" : "This example describes the specified Spot fleet request.",
        "id" : "ec2-describe-spot-fleet-requests-1",
        "input" : { 
            "SpotFleetRequestIds" : [ "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE" ] }
    },
    { 
        "SpotFleetRequestConfigs" : [ 
            { 
                "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
                "SpotFleetRequestState" : "active",
                "SpotFleetRequestConfig" : [ 
                    { 
                        "SpotInstanceCounts" : [ 
                            { 
                                "instanceType" : "cx1.8xlarge",
                                "minCount" : 2,
                                "maxCount" : 4
                            },
                            { 
                                "instanceType" : "cx1.8xlarge",
                                "minCount" : 2,
                                "maxCount" : 4
                            },
                            { 
                                "instanceType" : "cx1.8xlarge",
                                "minCount" : 2,
                                "maxCount" : 4
                            },
                            { 
                                "instanceType" : "cx1.8xlarge",
                                "minCount" : 2,
                                "maxCount" : 4
                            }
                        ]
                    }
                ]
            }
        ]
    }
]
"SpotPrice" : "0.05",
"TargetCapacity" : 20,
"IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
"LaunchSpecifications" : [ { 
  "ImageId" : "ami-1a2b3c4d",
  "InstanceType" : "cc2.8xlarge",
  "NetworkInterfaces" : [ {
    "DeviceIndex" : 0,
    "SubnetId" : "subnet-a61dafcf",
    "DeleteOnTermination" : false,
    "SecondaryPrivateIpAddressCount" : 0,
    "AssociatePublicIpAddress" : true
  } ],
  "EbsOptimized" : false
}, { 
  "ImageId" : "ami-1a2b3c4d",
  "InstanceType" : "r3.8xlarge",
  "NetworkInterfaces" : [ {
    "DeviceIndex" : 0,
    "SubnetId" : "subnet-a61dafcf",
    "DeleteOnTermination" : false,
    "SecondaryPrivateIpAddressCount" : 0,
    "AssociatePublicIpAddress" : true
  } ],
  "EbsOptimized" : false
} ],
"title" : "To describe a Spot fleet request"
},
"DescribeSpotInstanceRequests" : [ { 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes the specified Spot Instance request.",
  "id" : "ec2-describe-spot-instance-requests-1",
  "input" : { 
    "SpotInstanceRequestIds" : [ "sir-08b93456" ]
  },
  "output" : { 
    "SpotInstanceRequests" : [ { 
      "SpotInstanceRequestId" : "sir-08b93456",
      "SpotPrice" : "0.010000",
      "Type" : "one-time",
      "State" : "active",
      "Status" : { 
        "code" : "active",
        "reason" : "Spot instance is active",
        "statusMessage" : "The spot instance is active.
"
"Code" : "fulfilled",
"Message" : "Your Spot request is fulfilled."
",
"LaunchSpecification" : {
  "ImageId" : "ami-7aba833f",
  "KeyName" : "my-key-pair",
  "InstanceType" : "m1.small",
  "BlockDeviceMappings" : [ {
    "DeviceName" : "/dev/sda1",
    "Ebs" : {
      "VolumeSize" : 8,
      "DeleteOnTermination" : true,
      "VolumeType" : "standard"
    }
  ]
},
"EbsOptimized" : false
},
"InstanceId" : "i-1234567890abcdef0",
"CreateTime" : "2014-04-30T18:14:55.000Z",
"ProductDescription" : "Linux/UNIX",
"LaunchedAvailabilityZone" : "us-west-1b"
}
]
",
"title" : "To describe a Spot Instance request"
]
",
"DescribeSpotPriceHistory" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example returns the Spot Price history for m1.xlarge, Linux/UNIX (Amazon VPC) instances for a particular day in January.",
  "id" : "ec2-describe-spot-price-history-1",
  "input" : {
    "EndTime" : "2014-01-06T08:09:10",
    "InstanceTypes" : [ "m1.xlarge" ],
    "ProductDescriptions" : [ "Linux/UNIX (Amazon VPC)" ]
  },
  "output" : {
    "SpotPriceHistory" : [ {
      "InstanceType" : "m1.xlarge",
      "ProductDescription" : "Linux/UNIX (Amazon VPC)",
      "SpotPrice" : "0.080000",
      "Timestamp" : "2014-01-06T04:32:53.000Z",
      "AvailabilityZone" : "us-west-1a"
    }]
  }
}
"InstanceType" : "m1.xlarge",
"ProductDescription" : "Linux/UNIX (Amazon VPC)",
"SpotPrice" : "0.080000",
"AvailabilityZone" : "us-west-1c"
} ]
},
"title" : "To describe Spot price history for Linux/UNIX (Amazon VPC)"
}
]
"DescribeSubnets" : [ {
"comments" : {
"input" : { },
"output" : { }
}
},
"description" : "This example describes the subnets for the specified VPC."
"id" : "ec2-describe-subnets-1",
"input" : {
"Filters" : [ {
"Name" : "vpc-id",
"Values" : [ "vpc-a01106c2" ]
} ]
},
"output" : {
"Subnets" : [ {
"SubnetId" : "subnet-9d4a7b6e",
"State" : "available",
"VpcId" : "vpc-a01106c2",
"CidrBlock" : "10.0.1.0/24",
"AvailableIpAddressCount" : 251,
"AvailabilityZone" : "us-east-1c",
"DefaultForAz" : false,
"MapPublicIpOnLaunch" : false
} ]
},
"title" : "To describe the subnets for a VPC"
}
],
"DescribeTags" : [ {
"comments" : {
"input" : { },
"output" : { }
}
},
"description" : "This example describes the tags for the specified instance."
"id" : "ec2-describe-tags-1",
"input" : {
"Filters" : [ {
"Name" : "resource-id",
"Values" : [ "i-1234567890abcdef8" ]
} ]
} ]
"Tags": [ {
"ResourceId": "i-1234567890abcdef8",
"ResourceType": "instance",
"Key": "Stack",
"Value": "test"
}, {
"ResourceId": "i-1234567890abcdef8",
"ResourceType": "instance",
"Key": "Name",
"Value": "Beta Server"
} ]
},
"title": "To describe the tags for a single resource"
},
"DescribeVolumeAttribute" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the `autoEnableIo` attribute of the volume with the ID `vol-049df61146c4d7901`.",
"id" : "to-describe-a-volume-attribute-1472505773492",
"input" : {
"VolumeId" : "vol-049df61146c4d7901",
"Attribute" : "autoEnableIO"
},
"output" : {
"VolumeId" : "vol-049df61146c4d7901",
"AutoEnableIO" : false
},
"title" : "To describe a volume attribute"
}],
"DescribeVolumeStatus" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example describes the status for the volume `vol-1234567890abcdef0`.",
"id" : "to-describe-the-status-of-a-single-volume-1472507016193",
"input" : {
"VolumeIds" : [ "vol-1234567890abcdef0" ]
},
"output" : {
"VolumeStatuses" : [ {
"VolumeId" : "vol-1234567890abcdef0",
"AvailabilityZone" : "us-east-1a",
"VolumeStatus": "in-use"
} ]
},
"title" : "To describe the status of a single volume"
"VolumeStatus" : { 
  "Status" : "ok",
  "Details" : [ 
    "Name" : "io-enabled",
    "Status" : "passed"
  ],
  "Name" : "io-performance",
  "Status" : "not-applicable"
} ]
},
"Events" : [ ],
"Actions" : [ ]
},
"title" : "To describe the status of a single volume" ]
},
"comments" : { 
  "input" : { },
  "output" : { }
},
"description" : "This example describes the status for all volumes that are impaired. In this example output, there are no impaired volumes.",
"id" : "to-describe-the-status-of-impaired-volumes-1472507239821",
"input" : { 
  "Filters" : [ 
    "Name" : "volume-status.status",
    "Values" : [ "impaired" ]
  ]
},
"output" : { 
  "VolumeStatuses" : [ ]
},
"title" : "To describe the status of impaired volumes"
},
"DescribeVolumes" : [ 
  "comments" : { 
    "input" : { },
    "output" : { }
  },
  "description" : "This example describes all of your volumes in the default region.",
  "id" : "to-describe-all-volumes-1472506358883",
  "input" : { },
  "output" : { 
    "Volumes" : [ 
      "VolumeId" : "vol-049df61146c4d7901",
      "Size" : 8,
      "SnapshotId" : "snap-1234567890abcdef0",
      "AvailabilityZone" : "us-east-1a"
"State" : "in-use",
"CreateTime" : "2013-12-18T22:35:00.084Z",
"Attachments" : [ {
  "VolumeId" : "vol-049df61146c4d7901",
  "InstanceId" : "i-1234567890abcdef0",
  "Device" : "/dev/sda1",
  "State" : "attached",
  "AttachTime" : "2013-12-18T22:35:00.000Z",
  "DeleteOnTermination" : true
} ],
"VolumeType" : "standard"
],
"NextToken" : ""
},
"title" : "To describe all volumes"
},
"comments" : {
  "input" : {},
  "output" : {}
},
"description" : "This example describes all volumes that are both attached to the instance with the ID i-1234567890abcdef0 and set to delete when the instance terminates."
,"id" : "to-describe-volumes-that-are-attached-to-a-specific-instance-1472506613578",
"input" : {
  "Filters" : [ {
    "Name" : "attachment.instance-id",
    "Values" : [ "i-1234567890abcdef0" ]
  }, {
    "Name" : "attachment.delete-on-termination",
    "Values" : [ "true" ]
  } ]
},
"output" : {
  "Volumes" : [ {
    "VolumeId" : "vol-049df61146c4d7901",
    "Size" : 8,
    "SnapshotId" : "snap-1234567890abcdef0",
    "AvailabilityZone" : "us-east-1a",
    "State" : "in-use",
    "CreateTime" : "2013-12-18T22:35:00.084Z",
    "Attachments" : [ {
      "VolumeId" : "vol-049df61146c4d7901",
      "InstanceId" : "i-1234567890abcdef0",
      "Device" : "/dev/sda1",
      "State" : "attached",
      "AttachTime" : "2013-12-18T22:35:00.000Z",
      "DeleteOnTermination" : true
    } ]
  } ]}
"VolumeType": "standard"
},
"title": "To describe volumes that are attached to a specific instance"
]
}"DescribeVpcAttribute": [
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the enableDnsSupport attribute. This attribute indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.",
"id": "ec2-describe-vpc-attribute-1",
"input": {
"VpcId": "vpc-a01106c2",
"Attribute": "enableDnsSupport"
},
"output": {
"VpcId": "vpc-a01106c2",
"EnableDnsSupport": true
},
"title": "To describe the enableDnsSupport attribute"
},
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the enableDnsHostnames attribute. This attribute indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.",
"id": "ec2-describe-vpc-attribute-2",
"input": {
"VpcId": "vpc-a01106c2",
"Attribute": "enableDnsHostnames"
},
"output": {
"VpcId": "vpc-a01106c2",
"EnableDnsHostnames": true
},
"title": "To describe the enableDnsHostnames attribute"
],
"DescribeVpcs": [
"comments": {
"input": {},
"output": {}
},
"description": "This example describes the specified VPC.",
"id": "ec2-describe-vpc-attribute-3",
"input": {
"VpcId": "vpc-a01106c2",
"Attribute": "enableDnsHostnames"
},
"output": {
"VpcId": "vpc-a01106c2",
"EnableDnsHostnames": true
},
"title": "To describe the specified VPC"}
"id" : "ec2-describe-vpcs-1",
"input" : {
  "VpcIds" : [ "vpc-a01106c2" ]
},
"output" : {
  "Vpcs" : [ {
    "VpcId" : "vpc-a01106c2",
    "State" : "available",
    "CidrBlock" : "10.0.0.0/16",
    "DhcpOptionsId" : "dopt-7a8b9c2d",
    "Tags" : [ {
      "Key" : "Name",
      "Value" : "MyVPC"
    } ],
    "InstanceTenancy" : "default",
    "IsDefault" : false
  } ]
},
"title" : "To describe a VPC"
}],
"DetachInternetGateway" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example detaches the specified Internet gateway from the specified VPC.",
  "id" : "ec2-detach-internet-gateway-1",
  "input" : {
    "InternetGatewayId" : "igw-c0a643a9",
    "VpcId" : "vpc-a01106c2"
  },
  "output" : null,
  "title" : "To detach an Internet gateway from a VPC"
}],
"DetachNetworkInterface" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example detaches the specified network interface from its attached instance.",
  "id" : "ec2-detach-network-interface-1",
  "input" : {
    "AttachmentId" : "eni-attach-66c4350a"
  },
  "output" : null,
  "title" : "To detach a network interface from an instance"
}],
"DetachVolume" : [ {
"description": "This example detaches the volume (`vol-049df61146c4d7901`) from the instance it is attached to.",
"id": "to-detach-a-volume-from-an-instance-1472507977694",
"input": {
 "VolumeId": "vol-1234567890abcdef0"
},
"output": {
 "VolumeId": "vol-049df61146c4d7901",
 "InstanceId": "i-1234567890abcdef0",
 "Device": "/dev/sdb",
 "State": "detaching",
 "AttachTime": "2014-02-27T19:23:06.000Z"
},
"title": "To detach a volume from an instance"
}],
"DisableVgwRoutePropagation": [ {
 "comments": { 
 "input": { }, 
 "output": { }
 },
 "description": "This example disables the specified virtual private gateway from propagating static routes to the specified route table.",
 "id": "ec2-disable-vgw-route-propagation-1",
 "input": {
 "RouteTableId": "rtb-22574640",
 "GatewayId": "vgw-9a4cacf3"
 },
 "output": null,
 "title": "To disable route propagation"
 },
 "DisassociateAddress": [ {
 "comments": { 
 "input": { }, 
 "output": { }
 },
 "description": "This example disassociates an Elastic IP address from an instance in a VPC.",
 "id": "ec2-disassociate-address-1",
 "input": {
 "AssociationId": "eipassoc-2bebb745"
 },
 "output": null,
 "title": "To disassociate an Elastic IP address in EC2-VPC"
 },
 "comments": { 
}

"input" : { },
"output" : { }
},
"description" : "This example disassociates an Elastic IP address from an instance in EC2-Classic.",
"id" : "ec2-disassociate-address-2",
"input" : {
  "PublicIp" : "198.51.100.0"
},
"output" : null,
"title" : "To disassociate an Elastic IP addresses in EC2-Classic"
]},
"DisassociateRouteTable" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example disassociates the specified route table from its associated subnet.",
  "id" : "ec2-disassociate-route-table-1",
  "input" : {
    "AssociationId" : "rtbassoc-781d0d1a"
  },
  "output" : null,
  "title" : "To disassociate a route table"
}],
"EnableVgwRoutePropagation" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example enables the specified virtual private gateway to propagate static routes to the specified route table.",
  "id" : "ec2-enable-vgw-route-propagation-1",
  "input" : {
    "RouteTableId" : "rtb-22574640",
    "GatewayId" : "vgw-9a4cacf3"
  },
  "output" : null,
  "title" : "To enable route propagation"
}],
"EnableVolumeIO" : [ {
  "comments" : {
    "input" : { },
    "output" : { }
  },
  "description" : "This example enables I/O on volume `vol-1234567890abcdef0`.",
  "id" : "to-enable-io-for-a-volume-1472508114867",
  "input" : {
    "VolumeId" : "vol-1234567890abcdef0"
"title": "To enable I/O for a volume"
}

"ModifyNetworkInterfaceAttribute": [ {
"comments": {
	"input": {},
	"output": {}
},
"description": "This example modifies the attachment attribute of the specified network interface.",
"id": "ec2-modify-network-interface-attribute-1",
"input": {
	"NetworkInterfaceId": "eni-686ea200",
	"Attachment": {
		"AttachmentId": "eni-attach-43348162",
		"DeleteOnTermination": false
	}
},
"output": null,
"title": "To modify the attachment attribute of a network interface"
}, {
"comments": {
	"input": {},
	"output": {}
},
"description": "This example modifies the description attribute of the specified network interface.",
"id": "ec2-modify-network-interface-attribute-2",
"input": {
	"NetworkInterfaceId": "eni-686ea200",
	"Description": "My description"
},
"output": null,
"title": "To modify the description attribute of a network interface"
}, {
"comments": {
	"input": {},
	"output": {}
},
"description": "This example command modifies the groupSet attribute of the specified network interface.",
"id": "ec2-modify-network-interface-attribute-3",
"input": {
	"NetworkInterfaceId": "eni-686ea200",
	"Groups": [ "sg-903004f8", "sg-1a2b3c4d" ]
},
"output": null,
"title": "To modify the groupSet attribute of a network interface"
},
"comments": {

"input": { },
"output": { }
},
"description": "This example command modifies the sourceDestCheck attribute of the specified network interface.",
"id": "ec2-modify-network-interface-attribute-4",
"input": {
"NetworkInterfaceId": "eni-686ea200",
"SourceDestCheck": false
},
"output": null,
"title": "To modify the sourceDestCheck attribute of a network interface"
],
"ModifySnapshotAttribute": [ {
"comments": {
"input": { },
"output": { }
},
"description": "This example modifies snapshot `snap-1234567890abcdef0` to remove the create volume permission for a user with the account ID `123456789012`. If the command succeeds, no output is returned.",
"id": "to-modify-a-snapshot-attribute-1472508385907",
"input": {
"SnapshotId": "snap-1234567890abcdef0",
"Attribute": "createVolumePermission",
"OperationType": "remove",
"UserIds": [ "123456789012" ]
},
"output": { },
"title": "To modify a snapshot attribute"
},
"comments": {
"input": { },
"output": { }
},
"description": "This example makes the snapshot `snap-1234567890abcdef0` public.",
"id": "to-make-a-snapshot-public-1472508470529",
"input": {
"SnapshotId": "snap-1234567890abcdef0",
"Attribute": "createVolumePermission",
"OperationType": "add",
"GroupNames": [ "all" ]
},
"output": { },
"title": "To make a snapshot public"
}],
"ModifySpotFleetRequest": [ {"comments": {
"input": { },
"output": { }
},
"description": "This example modifies the network interface via the ModifySpotFleetRequest API.",
"id": "ec2-modify-spot-fleet-request-1965008385907",
"input": {
"SpotFleetRequestId": "sfr-686ea200",
"NetworkInterfaceId": "eni-686ea200",
"SourceDestCheck": false
},
"output": null,
"title": "To modify a spot fleet request"}];
"output" : { } },
"description" : "This example increases the target capacity of the specified Spot fleet request.",
"id" : "ec2-modify-spot-fleet-request-1",
"input" : {
  "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
  "TargetCapacity" : 20
},
"output" : {
  "Return" : true
},
"title" : "To increase the target capacity of a Spot fleet request"
},
{"comments" : { } },
"description" : "This example decreases the target capacity of the specified Spot fleet request without terminating any Spot Instances as a result.",
"id" : "ec2-modify-spot-fleet-request-2",
"input" : {
  "SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE",
  "TargetCapacity" : 10,
  "ExcessCapacityTerminationPolicy" : "NoTermination"
},
"output" : {
  "Return" : true
},
"title" : "To decrease the target capacity of a Spot fleet request"
}],
"ModifySubnetAttribute" : [ {
"comments" : { } },
"description" : "This example modifies the specified subnet so that all instances launched into this subnet are assigned a public IP address.",
"id" : "ec2-modify-subnet-attribute-1",
"input" : {
  "SubnetId" : "subnet-1a2b3c4d",
  "MapPublicIpOnLaunch" : true
},
"output" : null,
"title" : "To change a subnet's public IP addressing behavior"
}],
"ModifyVolumeAttribute" : [ ]}
"output" : { } 
},
"description" : "This example sets the \"autoEnableIo\" attribute of the volume with the ID \"vol-1234567890abcdef0\" to \"true\". If the command succeeds, no output is returned.",
"id" : "to-modify-a-volume-attribute-1472508596749",
"input" : {
  "VolumeId" : "vol-1234567890abcdef0",
  "AutoEnableIO" : true
},
"output" : { },
"title" : "To modify a volume attribute"
} ],
"ModifyVpcAttribute" : [ {
"comments" : {
  "input" : { },
  "output" : { } 
},
"description" : "This example modifies the enableDnsSupport attribute. This attribute indicates whether DNS resolution is enabled for the VPC. If this attribute is true, the Amazon DNS server resolves DNS hostnames for instances in the VPC to their corresponding IP addresses; otherwise, it does not.",
"id" : "ec2-modify-vpc-attribute-1",
"input" : {
  "VpcId" : "vpc-a01106c2",
  "EnableDnsSupport" : false
},
"output" : null,
"title" : "To modify the enableDnsSupport attribute"
}, {
"comments" : {
  "input" : { },
  "output" : { } 
},
"description" : "This example modifies the enableDnsHostnames attribute. This attribute indicates whether instances launched in the VPC get DNS hostnames. If this attribute is true, instances in the VPC get DNS hostnames; otherwise, they do not.",
"id" : "ec2-modify-vpc-attribute-2",
"input" : {
  "VpcId" : "vpc-a01106c2",
  "EnableDnsHostnames" : false
},
"output" : null,
"title" : "To modify the enableDnsHostnames attribute"
} ],
"MoveAddressToVpc" : [ {
"comments" : {
  "input" : { },
  "output" : { } 
} 
} ]
"description" : "This example moves the specified Elastic IP address to the EC2-VPC platform.",
"id" : "ec2-move-address-to-vpc-1",
"input" : {
  "PublicIp" : "54.123.4.56"
},
"output" : {
  "Status" : "MoveInProgress"
},
"title" : "To move an address to EC2-VPC"
],
"PurchaseScheduledInstances" : [ {
  "input" : {
    "PurchaseRequests" : [ {
      "PurchaseToken" : "eyJ2IjoiMSIsInMiOjEsImMiOi...",
      "InstanceCount" : 1
    } ]
  },
  "output" : {
    "ScheduledInstanceSet" : [ {
      "ScheduledInstanceId" : "sci-1234-1234-1234-123456789012",
      "InstanceType" : "c4.large",
      "Platform" : "Linux/UNIX",
      "NetworkPlatform" : "EC2-VPC",
      "AvailabilityZone" : "us-west-2b",
      "SlotDurationInHours" : 32,
      "Recurrence" : {
        "Frequency" : "Weekly",
        "Interval" : 1,
        "OccurrenceDaySet" : [ 1 ],
        "OccurrenceRelativeToEnd" : false,
        "OccurrenceUnit" : ""
      },
      "NextSlotStartTime" : "2016-01-31T09:00:00Z",
      "HourlyPrice" : "0.095",
      "TotalScheduledInstanceHours" : 1696,
      "InstanceCount" : 1,
      "TermStartDate" : "2016-01-31T09:00:00Z",
      "TermEndDate" : "2017-01-31T09:00:00Z",
      "CreateDate" : "2016-01-25T21:43:38.612Z"
    } ]
  },
  "title" : "To purchase a Scheduled Instance"
"ReleaseAddress" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example releases an Elastic IP address for use with instances in a VPC.",
    "id" : "ec2-release-address-1",
    "input" : {
        "AllocationId" : "eipalloc-64d5890a"
    },
    "output" : null,
    "title" : "To release an Elastic IP address for EC2-VPC"
}, {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example releases an Elastic IP address for use with instances in EC2-Classic.",
    "id" : "ec2-release-address-2",
    "input" : {
        "PublicIp" : "198.51.100.0"
    },
    "output" : null,
    "title" : "To release an Elastic IP addresses for EC2-Classic"
} ],
"ReplaceNetworkAclAssociation" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example associates the specified network ACL with the subnet for the specified network ACL association.",
    "id" : "ec2-replace-network-acl-association-1",
    "input" : {
        "AssociationId" : "aclassoc-e5b95c8c",
        "NetworkAclId" : "acl-5fb85d36"
    },
    "output" : {
        "NewAssociationId" : "aclassoc-3999875b"
    },
    "title" : "To replace the network ACL associated with a subnet"
} ],
"ReplaceNetworkAclEntry" : [ {
    "comments" : {
        "input" : { },
        "output" : { }
    },
    "description" : "This example associates the specified network ACL with the subnet for the specified network ACL association.",
    "id" : "ec2-replace-network-acl-association-1",
    "input" : {
        "AssociationId" : "aclassoc-e5b95c8c",
        "NetworkAclId" : "acl-5fb85d36"
    },
    "output" : {
        "NewAssociationId" : "aclassoc-3999875b"
    },
    "title" : "To replace the network ACL associated with a subnet"
} ]
"description": "This example replaces an entry for the specified network ACL. The new rule 100 allows ingress traffic from 203.0.113.12/24 on UDP port 53 (DNS) into any associated subnet.",
"id": "ec2-replace-network-acl-entry-1",
"input": {
"NetworkAclId": "acl-5fb85d36",
"RuleNumber": 100,
"Protocol": "udp",
"RuleAction": "allow",
"Egress": false,
"CidrBlock": "203.0.113.12/24",
"PortRange": {
"From": 53,
"To": 53
}
},
"output": null,
"title": "To replace a network ACL entry"
},
"ReplaceRoute": [{
"comments": {
"input": {},
"output": {}
},
"description": "This example replaces the specified route in the specified table. The new route matches the specified CIDR and sends the traffic to the specified virtual private gateway.",
"id": "ec2-replace-route-1",
"input": {
"RouteTableId": "rtb-22574640",
"DestinationCidrBlock": "10.0.0.0/16",
"GatewayId": "vgw-9a4cacf3"
},
"output": null,
"title": "To replace a route"
},
"ReplaceRouteTableAssociation": [{
"comments": {
"input": {},
"output": {}
},
"description": "This example associates the specified route table with the subnet for the specified route table association.",
"id": "ec2-replace-route-table-association-1",
"input": {
"AssociationId": "rtbassoc-781d0d1a",
"RouteTableId": "rtb-22574640"
},
"output": {
"NewAssociationId": "rtbassoc-3a1f0f58"}}
"RequestSpotFleet" : [ {
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates a Spot fleet request with two launch specifications that differ only by subnet. The Spot fleet launches the instances in the specified subnet with the lowest price. If the instances are launched in a default VPC, they receive a public IP address by default. If the instances are launched in a nondefault VPC, they do not receive a public IP address by default. Note that you can't specify different subnets from the same Availability Zone in a Spot fleet request.",
"id" : "ec2-request-spot-fleet-1",
"input" : {
"SpotFleetRequestConfig" : {
"SpotPrice" : "0.04",
"TargetCapacity" : 2,
"IamFleetRole" : "arn:aws:iam::123456789012:role/my-spot-fleet-role",
"LaunchSpecifications" : [ {
"ImageId" : "ami-1a2b3c4d",
"KeyName" : "my-key-pair",
"SecurityGroups" : [ {
"GroupId" : "sg-1a2b3c4d"
} ],
"InstanceType" : "m3.medium",
"SubnetId" : "subnet-1a2b3c4d, subnet-3c4d5e6f",
"IamInstanceProfile" : { 
"Arn" : "arn:aws:iam::123456789012:instance-profile/my-iam-role"
} ]
},
"SpotFleetRequestId" : "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title" : "To request a Spot fleet in the subnet with the lowest price"
},
"comments" : {
"input" : { },
"output" : { }
},
"description" : "This example creates a Spot fleet request with two launch specifications that differ only by Availability Zone. The Spot fleet launches the instances in the specified Availability Zone with the lowest price. If your account supports EC2-VPC only, Amazon EC2 launches the Spot instances in the default subnet of the Availability Zone. If your account supports EC2-Classic, Amazon EC2 launches the instances in EC2-Classic in the Availability Zone."
,"id" : "ec2-request-spot-fleet-2"
"input": {
    "SpotFleetRequestConfig": {
        "SpotPrice": "0.04",
        "TargetCapacity": 2,
        "IamFleetRole": "arn:aws:iam::123456789012:role/my-spot-fleet-role",
        "LaunchSpecifications": [
            {
                "ImageId": "ami-1a2b3c4d",
                "KeyName": "my-key-pair",
                "SecurityGroups": [
                    {
                        "GroupId": "sg-1a2b3c4d"
                    }
                ],
                "InstanceType": "m3.medium",
                "Placement": {
                    "AvailabilityZone": "us-west-2a, us-west-2b"
                },
                "IamInstanceProfile": {
                    "Arn": "arn:aws:iam::123456789012:instance-profile/my-iam-role"
                }
            }
        ],
        "SpotPrice": "0.04",
        "TargetCapacity": 2,
        "IamFleetRole": "arn:aws:iam::123456789012:role/my-spot-fleet-role",
        "LaunchSpecifications": [
            {
                "ImageId": "ami-1a2b3c4d",
                "KeyName": "my-key-pair",
                "SecurityGroups": [
                    {
                        "GroupId": "sg-1a2b3c4d"
                    }
                ],
                "InstanceType": "m3.medium",
                "Placement": {
                    "AvailabilityZone": "us-west-2a, us-west-2b"
                },
                "IamInstanceProfile": {
                    "Arn": "arn:aws:iam::123456789012:instance-profile/my-iam-role"
                }
            }
        ],
        "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
    }
},
"output": {
    "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title": "To request a Spot fleet in the Availability Zone with the lowest price"
},
"comments": {
    "input": {},
    "output": {}
},
"description": "This example assigns public addresses to instances launched in a nondefault VPC. Note that when you specify a network interface, you must include the subnet ID and security group ID using the network interface."
,"id": "ec2-request-spot-fleet-3",
"input": {
    "SpotFleetRequestConfig": {
        "SpotPrice": "0.04",
        "TargetCapacity": 2,
        "IamFleetRole": "arn:aws:iam::123456789012:role/my-spot-fleet-role",
        "LaunchSpecifications": [
            {
                "ImageId": "ami-1a2b3c4d",
                "KeyName": "my-key-pair",
                "InstanceType": "m3.medium",
                "NetworkInterfaces": [
                    {
                        "DeviceIndex": 0,
                        "SubnetId": "subnet-1a2b3c4d",
                        "Groups": [ "sg-1a2b3c4d" ],
                        "AssociatePublicIpAddress": true
                    }
                ],
                "AssociatePublicIpAddress": true
            }
        ]
    }
},
"output": {
    "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title": "To request a Spot fleet in the Availability Zone with the lowest price"
"IamInstanceProfile": {
  "Arn": "arn:aws:iam::880185128111:instance-profile/my-iam-role"
}
}
}
"output": {
  "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title": "To launch Spot instances in a subnet and assign them public IP addresses"
},

"description": "This example creates a Spot fleet request that launches 30 instances using the diversified allocation strategy. The launch specifications differ by instance type. The Spot fleet distributes the instances across the launch specifications such that there are 10 instances of each type.",
"id": "ec2-request-spot-fleet-4",
"input": {
  "SpotFleetRequestConfig": {
    "SpotPrice": "0.70",
    "TargetCapacity": 30,
    "IamFleetRole": "arn:aws:iam::123456789012:role/my-spot-fleet-role",
    "LaunchSpecifications": [{
      "ImageId": "ami-1a2b3c4d",
      "InstanceType": "c4.2xlarge",
      "SubnetId": "subnet-1a2b3c4d",
    }, {
      "ImageId": "ami-1a2b3c4d",
      "InstanceType": "m3.2xlarge",
      "SubnetId": "subnet-1a2b3c4d"
    }, {
      "ImageId": "ami-1a2b3c4d",
      "InstanceType": "r3.2xlarge",
      "SubnetId": "subnet-1a2b3c4d"
    }],
    "AllocationStrategy": "diversified"
  }
},

"output": {
  "SpotFleetRequestId": "sfr-73fbd2ce-aa30-494c-8788-1cee4EXAMPLE"
},
"title": "To request a Spot fleet using the diversified allocation strategy"
},
"RequestSpotInstances": [
  {
    "comments": {
      "input": {},
      "output": {}
    }
  }
]
This example creates a one-time Spot Instance request for five instances in the specified Availability Zone. If your account supports EC2-VPC only, Amazon EC2 launches the instances in the default subnet of the specified Availability Zone. If your account supports EC2-Classic, Amazon EC2 launches the instances in EC2-Classic in the specified Availability Zone.

```
"id": "ec2-request-spot-instances-1",
"input": {
  "SpotPrice": "0.03",
  "InstanceCount": 5,
  "Type": "one-time",
  "LaunchSpecification": {
    "ImageId": "ami-1a2b3c4d",
    "KeyName": "my-key-pair",
    "InstanceType": "m3.medium",
    "Placement": {
      "AvailabilityZone": "us-west-2a"
    },
    "IamInstanceProfile": {
      "Arn": "arn:aws:iam::123456789012:instance-profile/my-iam-role"
    }
  }
},
"output": null,
"title": "To create a one-time Spot Instance request"
},
"comments": {
  "input": { },
  "output": { }
},
"description": "This example command creates a one-time Spot Instance request for five instances in the specified subnet. Amazon EC2 launches the instances in the specified subnet. If the VPC is a nondefault VPC, the instances do not receive a public IP address by default."

```
"id": "ec2-request-spot-instances-2",
"input": {
  "SpotPrice": "0.050",
  "InstanceCount": 5,
  "Type": "one-time",
  "LaunchSpecification": {
    "ImageId": "ami-1a2b3c4d",
    "InstanceType": "m3.medium",
    "SubnetId": "subnet-1a2b3c4d",
    "IamInstanceProfile": {
      "Arn": "arn:aws:iam::123456789012:instance-profile/my-iam-role"
    }
  }
},
"output": null,
"title": "To create a one-time Spot Instance request"
},
"comments": {
  "input": { },
  "output": { }
},
"description": "This example command creates a one-time Spot Instance request for five instances in the specified subnet. Amazon EC2 launches the instances in the specified subnet. If the VPC is a nondefault VPC, the instances do not receive a public IP address by default."
"To create a one-time Spot Instance request"}

"ResetSnapshotAttribute" : [ {
  "comments" : { },
  "input" : { },
  "output" : { }
},
  "description" : "This example resets the create volume permissions for snapshot `snap-1234567890abcdef0`. If the command succeeds, no output is returned.",
  "id" : "to-reset-a-snapshot-attribute-1472508825735",
  "input" : { "SnapshotId" : "snap-1234567890abcdef0", "Attribute" : "createVolumePermission" },
  "output" : { },
  "title" : "To reset a snapshot attribute"
} ],

"RestoreAddressToClassic" : [ {
  "comments" : { },
  "input" : { },
  "output" : { }
},
  "description" : "This example restores the specified Elastic IP address to the EC2-Classic platform.",
  "id" : "ec2-restore-address-to-classic-1",
  "input" : { "PublicIp" : "198.51.100.0" },
  "output" : { "Status" : "MoveInProgress", "PublicIp" : "198.51.100.0" },
  "title" : "To restore an address to EC2-Classic"
} ],

"RunScheduledInstances" : [ {
  "comments" : { },
  "input" : { },
  "output" : { }
},
  "description" : "This example launches the specified Scheduled Instance in a VPC.",
  "id" : "ec2-run-scheduled-instances-1",
  "input" : { "InstanceCount" : 1, "ScheduledInstanceId" : "sci-1234-1234-1234-1234-123456789012", "LaunchSpecification" : { "ImageId" : "ami-12345678", "KeyName" : "my-key-pair", "InstanceType" : "c4.large", } },
  "output" : { "Status" : "Pending" },
  "title" : "To run a scheduled instance"
"NetworkInterfaces": [ {
  "DeviceIndex": 0,
  "SubnetId": "subnet-12345678",
  "AssociatePublicIpAddress": true,
  "Groups": [ "sg-12345678" ]
},
"IamInstanceProfile": {
  "Name": "my-iam-role"
}
],
"output": {
  "InstanceIdSet": [ "i-1234567890abcdef0" ]
}
],
"title": "To launch a Scheduled Instance in a VPC"
},
"comments": {
  "input": {},
  "output": {}
},
"description": "This example launches the specified Scheduled Instance in EC2-Classic.",
"id": "ec2-run-scheduled-instances-2",
"input": {
  "InstanceCount": 1,
  "ScheduledInstanceId": "sci-1234-1234-1234-1234-123456789012",
  "LaunchSpecification": {
    "ImageId": "ami-12345678",
    "KeyName": "my-key-pair",
    "SecurityGroupIds": [ "sg-12345678" ],
    "Placement": {
      "AvailabilityZone": "us-west-2b"
    },
    "InstanceType": "c4.large",
    "IamInstanceProfile": {
      "Name": "my-iam-role"
    }
  }
},
"output": {
  "InstanceIdSet": [ "i-1234567890abcdef0" ]
},
"title": "To launch a Scheduled Instance in EC2-Classic"
},
"UnassignPrivateIpAddresses": [ {
  "comments": {
    "input": {},
    "output": {}
  }
}]}
"description": "This example unassigns the specified private IP address from the specified network interface.",
"id": "ec2-unassign-private-ip-addresses-1",
"input": {
  "NetworkInterfaceId": "eni-e5aa89a3",
  "PrivateIpAddresses": [ "10.0.0.82" ]
},
"output": null,
"title": "To unassign a secondary private IP address from a network interface"
}]
"version": "1.0"

"exceptionUnmarshallerImpl": "LegacyErrorUnmarshaller",
"fileHeader": "/*
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 */",
"hasWaiters": true,
"sdkModeledExceptionBaseClassName": "AmazonEC2Exception",
"sdkModeledExceptionBaseFqcn": "com.amazonaws.services.ec2.model.AmazonEC2Exception",
"serviceBaseExceptionFqcn": "com.amazonaws.AmazonServiceException",
"transformPackage": "com.amazonaws.services.ec2.model.transform"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/models/ec2-2016-11-15-intermediate.json
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 */
/**
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
 can
 * be modified; it does not return information about other resource types.
 *
 * @param describeIdFormatRequest
 *        Contains the parameters for DescribeIdFormat.
 * @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
 * @sample AmazonEC2Async.DescribeIdFormat
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat"
target="_top">AWS API
Documentation</a>
 */
/**
* Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
  * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
* This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html" target="_top">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide.
* Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
* @param modifyIdFormatRequest
  * Contains the parameters of ModifyIdFormat.
* @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2Async.ModifyIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat" target="_top">AWS API Documentation</a>
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/AmazonEC2Async.java
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*/
Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.

The following resource types support longer IDs: `instance` | `reservation` | `snapshot` | `volume`.

These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the `ModifyIdFormat` command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.

@param describeIdFormatRequest
* Contains the parameters for DescribeIdFormat.
@return Result of the DescribeIdFormat operation returned by the service.
@sample AmazonEC2.DescribeIdFormat
@see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API Documentation</a>

Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: `instance` | `reservation` | `snapshot` | `volume`.

This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.
* @param modifyIdFormatRequest
*       Contains the parameters of ModifyIdFormat.
* @return Result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2.ModifyIdFormat

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{
  "authorizers" : [ ],
  "metadata" : {
    "apiVersion" : "2016-11-15",
    "endpointPrefix" : "ec2",
    "jsonVersion" : null,
    "protocol" : "ec2",
    "resultWrapped" : false,
    "serviceAbbreviation" : "Amazon EC2",
    "serviceFullName" : "Amazon Elastic Compute Cloud",
    "signatureVersion" : "v4",
    "signingName" : "ec2",
    "targetPrefix" : null,
    "uid" : "ec2-2016-11-15",
  },
  "operations" : {
    "AcceptReservedInstancesExchangeQuote" : {
      "authorizer" : null,
      "authtype" : "IAM",
      "deprecated" : false,
      "documentation" : "<p>Accepts the Convertible Reserved Instance exchange quote described in the
      <a>GetReservedInstancesExchangeQuote</a> call.</p>",
      "errors" : {
        "http" : {
          "method" : "POST",
          "requestUri" : "/",
          "responseCode" : null
        },
        "input" : {
          "documentation" : null,
          "locationName" : null,
          "method" : "POST",
          "requestUri" : "/",
          "responseCode" : null
        }
      }
    }
  }
}
"shape" : "AcceptReservedInstancesExchangeQuoteRequest",
"xmlNamespace" : null
},
"name" : "AcceptReservedInstancesExchangeQuote",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "AcceptReservedInstancesExchangeQuoteResult"
}
},
"AcceptVpcPeeringConnection" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Accept a VPC peering connection request. To accept a request, the VPC peering connection must be in the <code>pending-acceptance</code> state, and you must be the owner of the peer VPC. Use the <code>DescribeVpcPeeringConnections</code> request to view your outstanding VPC peering connection requests.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "AcceptVpcPeeringConnectionRequest",
        "xmlNamespace" : null
    },
    "name" : "AcceptVpcPeeringConnection",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "AcceptVpcPeeringConnectionResult"
    }
},
"AllocateAddress" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Acquires an Elastic IP address.</p> <p>An Elastic IP address is for use either in the EC2-Classic platform or in a VPC. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "errors" : null,
"http": {  
"method": "POST",  
"requestUri": "/",  
"responseCode": null
},
"input": {  
"documentation": null,  
"locationName": null,  
"shape": "AllocateAddressRequest",  
"xmlNamespace": null
},
"name": "AllocateAddress",
"output": {  
"documentation": null,  
"locationName": null,  
"resultWrapper": null,  
"shape": "AllocateAddressResult"
}
},
"AllocateHosts": {  
"authorizer": null,  
"authtype": "IAM",  
"deprecated": false,  
"documentation": "Allocates a Dedicated Host to your account. At minimum you need to specify the instance size type, Availability Zone, and quantity of hosts you want to allocate."  
"errors": null,
"http": {  
"method": "POST",  
"requestUri": "/",  
"responseCode": null
},
"input": {  
"documentation": null,  
"locationName": null,  
"shape": "AllocateHostsRequest",  
"xmlNamespace": null
},
"name": "AllocateHosts",
"output": {  
"documentation": null,  
"locationName": null,  
"resultWrapper": null,  
"shape": "AllocateHostsResult"
}
},
"AssignIpv6Addresses": {  
"authorizer": null,  
"authtype": "IAM"
"deprecated": false,
"documentation": "Assigns one or more IPv6 addresses to the specified network interface. You can specify one or more specific IPv6 addresses, or you can specify the number of IPv6 addresses to be automatically assigned from within the subnet's IPv6 CIDR block range. You can assign as many IPv6 addresses to a network interface as you can assign private IPv4 addresses, and the limit varies per instance type. For information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per Network Interface Per Instance Type</a> in the Amazon Elastic Compute Cloud User Guide.",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "AssignIpv6AddressesRequest",
  "xmlNamespace": null
},
"name": "AssignIpv6Addresses",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "AssignIpv6AddressesResult"
},
"AssignPrivateIpAddresses": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Assigns one or more secondary private IP addresses to the specified network interface. You can specify one or more specific secondary IP addresses, or you can specify the number of secondary IP addresses to be automatically assigned within the subnet's CIDR block range. The number of secondary IP addresses that you can assign to an instance varies by instance type. For information about instance types, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the Amazon Elastic Compute Cloud User Guide. For more information about Elastic IP addresses, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html">Elastic IP Addresses</a> in the Amazon Elastic Compute Cloud User Guide.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "AssignPrivateIpAddressesRequest",
    "xmlNamespace": null
  },
  "name": "AssignPrivateIpAddresses",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "AssignPrivateIpAddressesResult"
  }
}
An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide. If the Elastic IP address is already associated with a different instance, it is disassociated from that instance and associated with the specified instance. If you don’t specify a private IP address, the Elastic IP address is associated with the primary IP address. If the Elastic IP address is already associated with a different instance or a network interface, you get an error unless you allow reassociation. This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn’t return an error, and you may be charged for each time the Elastic IP address is remapped to the same instance. For more information, see the Elastic IP Addresses section of Amazon EC2 Pricing.

Associates an Elastic IP address with an instance or a network interface.
VPC, or associates no DHCP options with the VPC.

After you associate the options with the VPC, any existing instances and all new instances that you launch in that VPC use the options. You don't need to restart or relaunch the instances. They automatically pick up the changes within a few hours, depending on how frequently the instance renews its DHCP lease. You can explicitly renew the lease using the operating system on the instance.

For more information, see the Amazon Virtual Private Cloud User Guide in the Amazon Virtual Private Cloud User Guide.
"AssociateRouteTable" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "Associates a subnet with a route table. The subnet and route table must be in the same VPC. This association causes traffic originating from the subnet to be routed according to the routes in the route table. The action returns an association ID, which you need in order to disassociate the route table from the subnet later. A route table can be associated with multiple subnets.",
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "AssociateRouteTableRequest",
      "xmlNamespace" : null
   },
   "name" : "AssociateRouteTable",
   "output" : {
      "documentation" : null,
      "locationName" : null,
      "resultWrapper" : null,
      "shape" : "AssociateRouteTableResult"
   }
},

"AssociateSubnetCidrBlock" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "Associates a CIDR block with your subnet. You can only associate a single IPv6 CIDR block with your subnet. An IPv6 CIDR block must have a prefix length of /64.",
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "AssociateSubnetCidrBlockRequest",
      "xmlNamespace" : null
   },
"name": "AssociateSubnetCidrBlock",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "AssociateSubnetCidrBlockResult"
}
},
"AssociateVpcCidrBlock": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Associates a CIDR block with your VPC. You can only associate a single Amazon-provided IPv6 CIDR block with your VPC. The IPv6 CIDR block size is fixed at /56.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "AssociateVpcCidrBlockRequest",
    "xmlNamespace": null
  },
  "name": "AssociateVpcCidrBlock",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "AssociateVpcCidrBlockResult"
  }
},
"AttachClassicLinkVpc": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Links an EC2-Classic instance to a ClassicLink-enabled VPC through one or more of the VPC's security groups. You cannot link an EC2-Classic instance to more than one VPC at a time. You can only link an instance that's in the <code>running</code> state. An instance is automatically unlinked from a VPC when it's stopped - you can link it to the VPC again when you restart it. After you've linked an instance, you cannot change the VPC security groups that are associated with it. To change the security groups, you must first unlink the instance, and then link it again. Linking your instance to a VPC is sometimes referred to as attaching your instance.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "AttachClassicLinkVpcRequest",
    "xmlNamespace": null
  },
  "name": "AttachClassicLinkVpc",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "AttachClassicLinkVpcResult"
  }
}
"AttachInternetGateway" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Attaches an Internet gateway to a VPC, enabling connectivity between the Internet and the VPC. For more information about your VPC and Internet gateway, see the Amazon Virtual Private Cloud User Guide linked below.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "AttachInternetGatewayRequest",
        "xmlNamespace" : null
    },
    "name" : "AttachInternetGateway",
    "output" : null
},

"AttachNetworkInterface" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Attaches a network interface to an instance.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "AttachNetworkInterfaceRequest",
        "xmlNamespace" : null
    },
    "name" : "AttachNetworkInterface",
    "output" : null
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AttachNetworkInterfaceRequest",
"xmlNamespace" : null
},
"name" : "AttachNetworkInterface",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "AttachNetworkInterfaceResult"
}
},
"AttachVolume" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name.</p><p>Encrypted EBS volumes may only be attached to instances that support Amazon EBS encryption. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p><p>For a list of supported device names, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-attaching-volume.html">Attaching an EBS Volume to an Instance</a>. Any device names that aren't reserved for instance store volumes can be used for EBS volumes. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html">Amazon EC2 Instance Store</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p><p>If a volume has an AWS Marketplace product code:</p><ul>
<li><p>The volume can be attached only to a stopped instance.</p></li>
<li><p>AWS Marketplace product codes are copied from the volume to the instance.</p></li>
<li><p>You must be subscribed to the product.</p></li>
<li><p>The instance type and operating system of the instance must support the product. For example, you can't detach a volume from a Windows instance and attach it to a Linux instance.</p></li>
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AttachVolumeRequest",
"xmlNamespace" : null
},
"name" : "AttachVolume",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "AttachVolumeResult"
}
},
"AttachVpnGateway" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Attaches a virtual private gateway to a VPC. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the Amazon Virtual Private Cloud User Guide.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "AttachVpnGatewayRequest",
"xmlNamespace" : null
},
"name" : "AttachVpnGateway",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "AttachVpnGatewayResult"
}
},
"AuthorizeSecurityGroupEgress" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "[EC2-VPC only] Adds one or more egress rules to a security group for use with a VPC. Specifically, this action permits instances to send traffic to one or more destination IPv4 or IPv6 CIDR address ranges, or to one or more destination security groups for the same VPC. This action doesn't apply to security groups for use in EC2-Classic. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html">Security Groups for VPC</a>.
"}
for Your VPC</a> in the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Appendix_Limits.html">Amazon VPC Limits</a>. Each rule consists of the protocol (for example, TCP), plus either a CIDR range or a source group. For the TCP and UDP protocols, you must also specify the destination port or port range. For the ICMP protocol, you must also specify the ICMP type and code. You can use -1 for the type or code to mean all types or all codes.

Rule changes are propagated to affected instances as quickly as possible. However, a small delay might occur.

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**AuthorizeSecurityGroupEgress**

This action allows one or more IPv4 CIDR address ranges permission to access a security group in your account, or gives one or more security groups (called the source groups) permission to access a security group for your account. A source group can be for your own AWS account, or another. You can have up to 100 rules per group.

This action allows one or more IPv4 or IPv6 CIDR address ranges permission to access a security group in your VPC, or gives one or more other security groups (called the source groups) permission to access a security group for your VPC. The security groups must all be for the same VPC or a peer VPC in a VPC peering connection. For more information about VPC security group limits, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Appendix_Limits.html">Amazon VPC Limits</a>.
"documentation" : "<p>Bundles an Amazon instance store-backed Windows instance. During bundling, only the root device volume (C:\) is bundled. Data on other instance store volumes is not preserved.</p> <note><p>This action is not applicable for Linux/Unix instances or Windows instances that are backed by Amazon EBS.</p> <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/Creating_InstanceStoreBacked_WinAMI.html">Creating an Instance Store-Backed Windows AMI</a>".
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "BundleInstanceRequest",
  "xmlNamespace" : null
},
"name" : "BundleInstance",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "BundleInstanceResult"
}
},
"CancelBundleTask" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Cancels a bundling operation for an instance store-backed Windows instance.".
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
"name" : "CancelBundleTask",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CancelBundleTaskResult"
}
},
"CancelConversionTask" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Cancels an active conversion task. The task can be the import of an instance or volume. The action removes all artifacts of the conversion, including a partially uploaded volume or instance. If the conversion is complete or is in the process of transferring the final disk image, the command fails and returns an exception.</p> For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html"&gt;Importing a Virtual Machine Using the Amazon EC2 CLI&lt;/a&gt;.,
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CancelConversionRequest",
    "xmlNamespace" : null
  },
  "name" : "CancelConversionTask",
  "output" : null
},
"CancelExportTask" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Cancels an active export task. The request removes all artifacts of the export, including any partially-created Amazon S3 objects. If the export task is complete or is in the process of transferring the final disk image, the command fails and returns an error.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CancelExportTaskRequest",
"xmlNamespace" : null
},
"name" : "CancelExportTask",
"output" : null
},
"CancelImportTask" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Cancels an in-process import virtual machine or import snapshot task.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CancelImportTaskRequest",
"xmlNamespace" : null
},
"name" : "CancelImportTask",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CancelImportTaskResult"
}
},
"CancelReservedInstancesListing" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/"
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "CancelReservedInstancesListingRequest",
"xmlNamespace": null
},
"name": "CancelReservedInstancesListing",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "CancelReservedInstancesListingResult"
}
},
"CancelSpotFleetRequests": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Cancels the specified Spot fleet requests.</p> <p>After you cancel a Spot fleet request, the Spot fleet launches no new Spot instances. You must specify whether the Spot fleet should also terminate its Spot instances. If you terminate the instances, the Spot fleet request enters the <code>cancelled_terminating</code> state. Otherwise, the Spot fleet request enters the <code>cancelled_running</code> state and the instances continue to run until they are interrupted or you terminate them manually.</p> ",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "CancelSpotFleetRequestsRequest",
"xmlNamespace": null
},
"name": "CancelSpotFleetRequests",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "CancelSpotFleetRequestsResponse"
}
},
"CancelSpotInstanceRequests": {
"authorizer": null,
"authtype": "IAM",
Cancels one or more Spot instance requests. Spot instances are instances that Amazon EC2 starts on your behalf when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see [Spot Instance Requests](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-requests.html) in the Amazon Elastic Compute Cloud User Guide.

Canceling a Spot instance request does not terminate running Spot instances associated with the request.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CancelSpotInstanceRequestsRequest",
  "xmlNamespace": null
},
"name": "CancelSpotInstanceRequests",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CancelSpotInstanceRequestsResult"
}
},
"ConfirmProductInstance": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Determines whether a product code is associated with an instance. This action can only be used by the owner of the product code. It is useful when a product code owner needs to verify whether another user's instance is eligible for support.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ConfirmProductInstanceRequest",
  "xmlNamespace": null
},
"name": "ConfirmProductInstance",
"output": {

"CopyImage" : {  
authorizer" : null,  
"authtype" : "IAM",  
"deprecated" : false,  
"documentation" : "<p>Initiates the copy of an AMI from the specified source region to the current region. You specify the destination region by using its endpoint when making the request.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingAMIs.html">Copying AMIs</a> in the Amazon Elastic Compute Cloud User Guide" 
},  
"http" : {  
"method" : "POST",  
"requestUri" : "/",  
"responseCode" : null 
},  
"input" : {  
"documentation" : null,  
"locationName" : null,  
"shape" : "CopyImageRequest",  
"xmlNamespace" : null 
},  
"name" : "CopyImage",  
"output" : {  
"documentation" : null,  
"locationName" : null,  
"resultWrapper" : null,  
"shape" : "CopyImageResult" 
} 
},  
"CopySnapshot" : {  
authorizer" : null,  
"authtype" : "IAM",  
"deprecated" : false,  
"documentation" : "<p>Copies a point-in-time snapshot of an EBS volume and stores it in Amazon S3. You can copy the snapshot within the same region or from one region to another. You can use the snapshot to create EBS volumes or Amazon Machine Images (AMIs). The snapshot is copied to the regional endpoint that you send the HTTP request to.</p> <p>Copies of encrypted EBS snapshots remain encrypted. Copies of unencrypted snapshots remain unencrypted, unless the <code>Encrypted</code> flag is specified during the snapshot copy operation. By default, encrypted snapshot copies use the default AWS Key Management Service (AWS KMS) customer master key (CMK); however, you can specify a non-default CMK with the <code>KmsKeyId</code> parameter. </p> <p>To copy an encrypted snapshot that has been shared from another account, you must have permissions for the CMK used to encrypt the snapshot.</p> <p>Snapshots created by the CopySnapshot action have an arbitrary volume ID that should not be used for any purpose.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CopyingSnapshots.html">Copying Snapshots</a> in the Amazon Elastic Compute Cloud User Guide" 
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateCustomerGatewayRequest",
  "xmlNamespace": null
},
"name": "CreateCustomerGateway",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateCustomerGatewayResult"
},
"CreateDhcpOptions": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a set of DHCP options for your VPC. After creating the set, you must associate it with the VPC, causing all existing and new instances that you launch in the VPC to use this set of DHCP options. The following are the individual DHCP options you can specify. For more information about the options, see &lt;a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>&lt;/p&gt;&lt;/li&gt;&lt;i&gt; &lt;p&gt; &lt;code&gt;domain-name-servers&lt;/code&gt; - The IP addresses of up to four domain name servers, or AmazonProvidedDNS. The default DHCP option set specifies AmazonProvidedDNS. If specifying more than one domain name server, specify the IP addresses in a single parameter, separated by commas. If you want your instance to receive a custom DNS hostname as specified in &lt;code&gt;domain-name&lt;/code&gt;, you must set &lt;code&gt;domain-name-servers&lt;/code&gt; to a custom DNS server.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;domain-name&lt;/code&gt; - If you're using AmazonProvidedDNS in "us-east-1", specify "ec2.internal". If you're using AmazonProvidedDNS in another region, specify "region.compute.internal" (for example, "ap-northeast-1.compute.internal"). Otherwise, specify a domain name (for example, "MyCompany.com"). This value is used to complete unqualified DNS hostnames. &lt;h&gt;Important:&lt;/h&gt; Some Linux operating systems accept multiple domain names separated by spaces. However, Windows and other Linux operating systems treat the value as a single domain, which results in unexpected behavior. If your DHCP options set is associated with a VPC that has instances with multiple operating systems, specify only one domain name.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;ntp-servers&lt;/code&gt; - The IP addresses of up to four Network Time Protocol (NTP) servers.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;netbios-name-servers&lt;/code&gt; - The IP addresses of up to four NetBIOS name servers.&lt;/p&gt; &lt;/li&gt; &lt;i&gt; &lt;p&gt; &lt;code&gt;netbios-node-type&lt;/code&gt; - The NetBIOS node type (1, 2, 4, or 8). We recommend that you specify 2 (broadcast and multicast are not currently supported). For more information about these node types, see &lt;a href="http://www.ietf.org/rfc/rfc2132.txt">RFC 2132</a>&lt;/p&gt;&lt;/li&gt;&lt;/ul&gt;&lt;/p&gt; &lt;p&gt;Your VPC automatically starts out with a set of DHCP options that includes only a DNS server that we provide (AmazonProvidedDNS). If you create a set of options, and if your VPC has an Internet gateway, make sure to set the &lt;code&gt;domain-name-servers&lt;/code&gt; option either to &lt;code&gt;AmazonProvidedDNS&lt;/code&gt; or to a domain name server of your choice. For more information about DHCP options, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html"&gt;DHCP Options Sets&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;"},
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/"
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CreateDhcpOptionsRequest",
"xmlNamespace" : null
},
"name" : "CreateDhcpOptions",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateDhcpOptionsResult"
}
},
"CreateEgressOnlyInternetGateway" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>[IPv6 only] Creates an egress-only Internet gateway for your VPC. An egress-only Internet gateway is used to enable outbound communication over IPv6 from instances in your VPC to the Internet, and prevents hosts outside of your VPC from initiating an IPv6 connection with your instance.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CreateEgressOnlyInternetGatewayRequest",
"xmlNamespace" : null
},
"name" : "CreateEgressOnlyInternetGateway",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateEgressOnlyInternetGatewayResult"
}
},
"CreateFlowLogs" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates one or more flow logs to capture IP traffic for a specific network interface,
subnet, or VPC. Flow logs are delivered to a specified log group in Amazon CloudWatch Logs. If you specify a VPC or subnet in the request, a log stream is created in CloudWatch Logs for each network interface in the subnet or VPC. Log streams can include information about accepted and rejected traffic to a network interface. You can view the data in your log streams using Amazon CloudWatch Logs.</p> <p>In your request, you must also specify an IAM role that has permission to publish logs to CloudWatch Logs.</p>

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateFlowLogsRequest",
  "xmlNamespace": null
},
"name": "CreateFlowLogs",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateFlowLogsResult"
},
"CreateImage": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates an Amazon EBS-backed AMI from an Amazon EBS-backed instance that is either running or stopped.</p> <p>If you customized your instance with instance store volumes or EBS volumes in addition to the root device volume, the new AMI contains block device mapping information for those volumes. When you launch an instance from this new AMI, the instance automatically launches with those additional volumes.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami-ebs.html">Creating Amazon EBS-Backed Linux AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "CreateImageRequest",
  "xmlNamespace": null
}
```
"name" : "CreateImage",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CreateImageResult"
}
},
"CreateInstanceExportTask" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Exports a running or stopped instance to an S3 bucket.<br /></p> <p>For information about the supported operating systems, image formats, and known limitations for the types of instances you can export, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmexport.html">Exporting an Instance as a VM Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.</p>
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateInstanceExportTaskRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateInstanceExportTask",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateInstanceExportTaskResult"
  }
},
"CreateInternetGateway" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates an Internet gateway for use with a VPC. After creating the Internet gateway, you attach it to a VPC using <a>AttachInternetGateway</a>.<br /></p> <p>For more information about your VPC and Internet gateway, see the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/">Amazon Virtual Private Cloud User Guide</a>.</p>
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateInternetGatewayRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateInternetGateway",
  "output" : {
    "documentation" : null,
    "locationName" : null,
"responseCode" : null,
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateInternetGatewayRequest",
  "xmlNamespace" : null
},
"name" : "CreateInternetGateway",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CreateInternetGatewayResult"
}
},
"CreateKeyPair" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Ccreates a 2048-bit RSA key pair with the specified name. Amazon EC2 stores the public
key and displays the private key for you to save to a file. The private key is returned as an unencrypted PEM
encoded PKCS#8 private key. If a key with the specified name already exists, Amazon EC2 returns an error.</p>
<p>You can have up to five thousand key pairs per region.</p>
The key pair returned to you is available only in the region in which you create it. To create a key pair that is available in all regions, use
Amazon Elastic Compute Cloud User Guide.
", "errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateKeyPairRequest",
  "xmlNamespace" : null
},
"name" : "CreateKeyPair",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "CreateKeyPairResult"
}
"CreateNatGateway" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a NAT gateway in the specified subnet. A NAT gateway can be used to enable
instances in a private subnet to connect to the Internet. This action creates a network interface in the specified subnet
with a private IP address from the IP address range of the subnet. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">NAT Gateways</a> in
the Amazon Virtual Private Cloud User Guide</p>.
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CreateNatGatewayRequest",
        "xmlNamespace" : null
    },
    "name" : "CreateNatGateway",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "CreateNatGatewayResult"
    }
},
"CreateNetworkAcl" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a network ACL in a VPC. Network ACLs provide an optional layer of security
(in addition to security groups) for the instances in your VPC.</p> For more information about network ACLs,
see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in
the Amazon Virtual Private Cloud User Guide</p>.
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CreateNetworkAclRequest",
        "xmlNamespace" : null
    }
}
"CreateNetworkAcl": {  
  "name": "CreateNetworkAcl",  
  "output": {  
    "documentation": null,  
    "locationName": null,  
    "resultWrapper": null,  
    "shape": "CreateNetworkAclResult"  
  }  
},

"CreateNetworkAclEntry": {  
  "authorizer": null,  
  "authType": "IAM",  
  "deprecated": false,  
  "documentation": "<p>Creates an entry (a rule) in a network ACL with the specified rule number. Each network ACL has a set of numbered ingress rules and a separate set of numbered egress rules. When determining whether a packet should be allowed in or out of a subnet associated with the ACL, we process the entries in the ACL according to the rule numbers, in ascending order. Each network ACL has a set of ingress rules and a separate set of egress rules.</p>
<p>We recommend that you leave room between the rule numbers (for example, 100, 110, 120, ...), and not number them one right after the other (for example, 101, 102, 103, ...). This makes it easier to add a rule between existing ones without having to renumber the rules.</p>
<p>After you add an entry, you can't modify it; you must either replace it, or create an entry and delete the old one.</p>
<p>For more information about network ACLs, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",  
  "errors": null,  
  "http": {  
    "method": "POST",  
    "requestUri": "/",  
    "responseCode": null  
  },  
  "input": {  
    "documentation": null,  
    "locationName": null,  
    "shape": "CreateNetworkAclEntryRequest",  
    "xmlnsNamespace": null  
  },  
  "name": "CreateNetworkAclEntry",  
  "output": null  
},

"CreateNetworkInterface": {  
  "authorizer": null,  
  "authType": "IAM",  
  "deprecated": false,  
  "documentation": "<p>Creates a network interface in the specified subnet.</p>
<p>For more information about network interfaces, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html">Elastic Network Interfaces</a> in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",  
  "errors": null,  
  "http": {  
    "method": "POST",  
    "requestUri": "/",  
    "responseCode": null  
  }  
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "CreateNetworkInterfaceRequest",
 "xmlNamespace" : null
 },
"name" : "CreateNetworkInterface",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "CreateNetworkInterfaceResult"
 }
},
"CreatePlacementGroup" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Creates a placement group that you launch cluster instances into. You must give the group a name that's unique within the scope of your account.</p> <p>For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "CreatePlacementGroupRequest",
 "xmlNamespace" : null
 },
"name" : "CreatePlacementGroup",
"output" : null
},
"CreateReservedInstancesListing" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Creates a listing for Amazon EC2 Standard Reserved Instances to be sold in the Reserved Instance Marketplace. You can submit one Standard Reserved Instance listing at a time. To get a list of your Standard Reserved Instances, you can use the <a>DescribeReservedInstances</a> operation.</p> <p>Only
Convertible Reserved Instances and Standard Reserved Instances with a regional benefit cannot be sold. <p>To sell your Standard Reserved Instances, you must first register as a seller in the Reserved Instance Marketplace. After completing the registration process, you can create a Reserved Instance Marketplace listing of some or all of your Standard Reserved Instances, and specify the upfront price to receive for them. Your Standard Reserved Instance listings then become available for purchase. To view the details of your Standard Reserved Instance listing, you can use the <a>DescribeReservedInstancesListings</a> operation.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "CreateReservedInstancesListingRequest",
"xmlns" : null
},
"name" : "CreateReservedInstancesListing",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateReservedInstancesListingResult"
},
"CreateRoute" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates a route in a route table within a VPC.</p> <p>You must specify one of the following targets: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway.</p> <p>When determining how to route traffic, we use the route with the most specific match. For example, traffic is destined for the IPv4 address</p> <code>192.0.2.3</code>, and the route table includes the following two IPv4 routes:</p> <ul>
<li> <code>192.0.2.0/24</code> (goes to some target A)</li> <li> <code>192.0.2.0/28</code> (goes to some target B)</li>
</ul> <p>Both routes apply to the traffic destined for <code>192.0.2.3</code>. However, the second route in the list covers a smaller number of IP addresses and is therefore more specific, so we use that route to determine where to target the traffic.</p> For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.

"errors" : null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
},
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateRouteRequest",
    "xmlNamespace" : null
},
"name" : "CreateRoute",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateRouteResult"
},
"CreateRouteTable" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a route table for the specified VPC. After you create a route table, you can add routes and associate the table with a subnet.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CreateRouteTableRequest",
        "xmlNamespace" : null
    },
    "name" : "CreateRouteTable",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "CreateRouteTableResult"
    }
},
"CreateSecurityGroup" : {

A security group is for use with instances either in the EC2-Classic platform or in a specific VPC. For more information, see the Amazon EC2 Security Groups in the Amazon Elastic Compute Cloud User Guide and Security Groups for Your VPC in the Amazon Virtual Private Cloud User Guide. You can have up to 500 security groups.

When you create a security group, you specify a friendly name of your choice. You can have a security group for use in EC2-Classic with the same name as a security group for use in a VPC. However, you can't have two security groups for use in EC2-Classic with the same name or two security groups for use in a VPC with the same name.

You have a default security group for use in EC2-Classic and a default security group for use in your VPC. If you don't specify a security group when you launch an instance, the instance is launched into the appropriate default security group. A default security group includes a default rule that grants instances unrestricted network access to each other.

You can add or remove rules from your security groups using `AuthorizeSecurityGroupIngress`, `AuthorizeSecurityGroupEgress`, `RevokeSecurityGroupIngress`, and `RevokeSecurityGroupEgress`.

Creating a snapshot of an EBS volume and stores it in Amazon S3. You can use snapshots for backups, to make copies of EBS volumes, and to save data before shutting down an instance. A snapshot is created, any AWS Marketplace product codes that are associated with the source volume are propagated to the snapshot. You can take a snapshot of an attached volume that is in use. However, snapshots only capture data that has been written to your EBS volume at the time the snapshot command is issued; this may exclude
any data that has been cached by any applications or the operating system. If you can pause any file systems on the volume long enough to take a snapshot, your snapshot should be complete. However, if you cannot pause all file writes to the volume, you should unmount the volume from within the instance, issue the snapshot command, and then remount the volume to ensure a consistent and complete snapshot. You may remount and use your volume while the snapshot status is `<code>pending</code>`.

To create a snapshot for EBS volumes that serve as root devices, you should stop the instance before taking the snapshot.

Snapshots that are taken from encrypted volumes are automatically encrypted. Volumes that are created from encrypted snapshots are also automatically encrypted. Your encrypted volumes and any associated snapshots always remain protected.

"locationName": null,
"shape": "CreateSpotDatafeedSubscription",
"xmlNamespace": null
},
"name": "CreateSpotDatafeedSubscription",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "CreateSpotDatafeedSubscriptionResult"
}
},
"CreateSubnet": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Creates a subnet in an existing VPC.</p> <p>When you create each subnet, you provide the VPC ID and the CIDR block you want for the subnet. After you create a subnet, you can't change its CIDR block. The subnet's IPv4 CIDR block can be the same as the VPC's IPv4 CIDR block (assuming you want only a single subnet in the VPC), or a subset of the VPC's IPv4 CIDR block. If you create more than one subnet in a VPC, the subnets' CIDR blocks must not overlap. The smallest IPv4 subnet (and VPC) you can create uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses).</p> <p>If you've associated an IPv6 CIDR block with your VPC, you can create a subnet with an IPv6 CIDR block that uses a /64 prefix length.</p> <p>AWS reserves both the first four and the last IP address in each subnet's CIDR block. They're not available for use.</p> <p>If you add more than one subnet to a VPC, they're set up in a star topology with a logical router in the middle.</p> <p>If you launch an instance in a VPC using an Amazon EBS-backed AMI, the IP address doesn't change if you stop and restart the instance (unlike a similar instance launched outside a VPC, which gets a new IP address when restarted). It's therefore possible to have a subnet with no running instances (they're all stopped), but no remaining IP addresses available.</p> <p>For more information about subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>"}
"shape" : "CreateSubnetResult"
},
"CreateTags" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Adds or overwrites one or more tags for the specified Amazon EC2 resource or resources. Each resource can have a maximum of 50 tags. Each tag consists of a key and optional value. Tag keys must be unique per resource.</p> For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the Amazon Elastic Compute Cloud User Guide. For more information about creating IAM policies that control users' access to resources based on tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-supported-iam-actions-resources.html">Supported Resource-Level Permissions for Amazon EC2 API Actions</a> in the Amazon Elastic Compute Cloud User Guide.

,"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "CreateTagsRequest",
  "xmlNamespace" : null
},
"name" : "CreateTags",
"output" : null
},
"CreateVolume" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates an EBS volume that can be attached to an instance in the same Availability Zone. The volume is created in the regional endpoint that you send the HTTP request to. For more information see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html">Regions and Endpoints</a>.</p> You can create a new empty volume or restore a volume from an EBS snapshot. Any AWS Marketplace product codes from the snapshot are propagated to the volume. <p>You can create encrypted volumes with the Encrypted parameter. Encrypted volumes may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted snapshots are also automatically encrypted. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the Amazon Elastic Compute Cloud User Guide.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-volume.html">Creating or Restoring an Amazon EBS Volume</a> in the Amazon Elastic Compute Cloud User Guide.

,"errors" : null,
"http" : {

"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
"locationName" : null,
"shape" : "CreateVolumeRequest",
"xmlNamespace" : null
},
"name" : "CreateVolume",
"output" : {
 "documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "CreateVolumeResult"
}
},
"CreateVpc" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Creates a VPC with the specified IPv4 CIDR block. The smallest VPC you can create
uses a /28 netmask (16 IPv4 addresses), and the largest uses a /16 netmask (65,536 IPv4 addresses). To help you
decide how big to make your VPC, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and
Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p><p>You can optionally request an
Amazon-provided IPv6 CIDR block for the VPC. The IPv6 CIDR block uses a /56 prefix length, and is allocated
from Amazon's pool of IPv6 addresses. You cannot choose the IPv6 range for your VPC.</p><p>By default, each
instance you launch in the VPC has the default DHCP options, which includes only a default DNS server that we
provide (AmazonProvidedDNS). For more information about DHCP options, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options
Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p><p>You can specify the instance tenancy
value for the VPC when you create it. You can't change this value for the VPC after you create it. For more
"errors" : null,
"http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
}
},
"input" : {
 "documentation" : null,
"locationName" : null,
"shape" : "CreateVpcRequest",
"xmlNamespace" : null
}.
"name" : "CreateVpc",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "CreateVpcResult"
}
},
"CreateVpcEndpoint" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a VPC endpoint for a specified AWS service. An endpoint enables you to create a private connection between your VPC and another AWS service in your account. You can specify an endpoint policy to attach to the endpoint that will control access to the service from your VPC. You can also specify the VPC route tables that use the endpoint.</p> Use &lt;a&gt;DescribeVpcEndpointServices&lt;/a&gt; to get a list of supported AWS services.&lt;/p&gt;",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "CreateVpcEndpointRequest",
        "xmlNamespace" : null
    },
    "name" : "CreateVpcEndpoint",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "CreateVpcEndpointResult"
    }
},
"CreateVpcPeeringConnection" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Requests a VPC peering connection between two VPCs: a requester VPC that you own and a peer VPC with which to create the connection. The peer VPC can belong to another AWS account. The requester VPC and peer VPC cannot have overlapping CIDR blocks.</p> The owner of the peer VPC must accept the peering request to activate the peering connection. The VPC peering connection request expires after 7 days, after which it cannot be accepted or rejected. &lt;p&gt;A &lt;code&gt;CreateVpcPeeringConnection&lt;/code&gt; request between VPCs with overlapping CIDR blocks results in the VPC peering connection having a status of &lt;code&gt;failed&lt;/code&gt;.&lt;/p&gt;"
CreateVpcPeeringConnection

"name" : "CreateVpcPeeringConnection",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "CreateVpcPeeringConnectionResult"
} }
,
"CreateVpnConnection" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Creates a VPN connection between an existing virtual private gateway and a VPN customer gateway. The only supported connection type is <code>ipsec.1</code>.<p>
The response includes information that you need to give to your network administrator to configure your customer gateway.<p>
We strongly recommend that you use HTTPS when calling this operation because the response contains sensitive cryptographic information for configuring your customer gateway.<p>
If you decide to shut down your VPN connection for any reason and later create a new VPN connection, you must reconfigure your customer gateway with the new information returned from this call.<p>This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.<p>For more information about VPN connections, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.<p>"
"CreateVpnConnectionRoute" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p> For more information about VPN connections, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html"&gt;Adding a Hardware Virtual Private Gateway to Your VPC&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "CreateVpnConnectionRouteRequest",
    "xmlNamespace" : null
  },
  "name" : "CreateVpnConnectionRoute",
  "output" : null
},
"CreateVpnGateway" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Creates a virtual private gateway. A virtual private gateway is the endpoint on the VPC side of your VPN connection. You can create a virtual private gateway before creating the VPC itself.</p> For more information about virtual private gateways, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html"&gt;Adding a Hardware Virtual Private Gateway to Your VPC&lt;/a&gt; in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
"locationName": null,
"shape": "CreateVpnGatewayRequest",
"xmlNamespace": null
},
"name": "CreateVpnGateway",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "CreateVpnGatewayResult"
}
},
"DeleteCustomerGateway": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the specified customer gateway. You must delete the VPN connection before you can delete the customer gateway.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteCustomerGatewayRequest",
"xmlNamespace": null
},
"name": "DeleteCustomerGateway",
"output": null
},
"DeleteDhcpOptions": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Deletes the specified set of DHCP options. You must disassociate the set of DHCP options before you can delete it. You can disassociate the set of DHCP options by associating either a new set of options or the default set of options with the VPC.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName" : null,
"shape" : "DeleteDhcpOptionsRequest",
"xmlNamespace" : null
},
"name" : "DeleteDhcpOptions",
"output" : null
},
"DeleteEgressOnlyInternetGateway" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Deletes an egress-only Internet gateway.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DeleteEgressOnlyInternetGatewayRequest",
  "xmlNamespace" : null
},
"name" : "DeleteEgressOnlyInternetGateway",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DeleteEgressOnlyInternetGatewayResult"
}
},
"DeleteFlowLogs" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Deletes one or more flow logs.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DeleteFlowLogsRequest",
  "xmlNamespace" : null
}
"DeleteFlowLogs": {  
  "authorizer": null,  
  "authtype": "IAM",  
  "deprecated": false,  
  "documentation": "<p>Delete the specified Internet gateway. You must detach the Internet gateway from the VPC before you can delete it.</p>",  
  "errors": null,  
  "http": {  
    "method": "POST",  
    "requestUri": "/",  
    "responseCode": null  
  },  
  "input": {  
    "documentation": null,  
    "locationName": null,  
    "shape": "DeleteInternetGatewayRequest",  
    "xmlNamespace": null  
  },  
  "name": "DeleteFlowLogs",  
  "output": null  
},
"DeleteInternetGateway": {  
  "authorizer": null,  
  "authtype": "IAM",  
  "deprecated": false,  
  "documentation": "<p>Deletes the specified key pair, by removing the public key from Amazon EC2.</p>",  
  "errors": null,  
  "http": {  
    "method": "POST",  
    "requestUri": "/",  
    "responseCode": null  
  },  
  "input": {  
    "documentation": null,  
    "locationName": null,  
    "shape": "DeleteKeyPairRequest",  
    "xmlNamespace": null  
  },  
  "name": "DeleteKeyPair",  
  "output": null  
}
"output": null,
"DeleteNatGateway": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified NAT gateway. Deleting a NAT gateway disassociates its Elastic IP address, but does not release the address from your account. Deleting a NAT gateway does not delete any NAT gateway routes in your route tables. </p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteNatGatewayRequest",
    "xmlNamespace": null
  },
  "name": "DeleteNatGateway",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DeleteNatGatewayResult"
  }
},
"DeleteNetworkAcl": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified network ACL. You can't delete the ACL if it's associated with any subnets. You can't delete the default network ACL. </p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteNetworkAclRequest",
    "xmlNamespace": null
  },
  "name": "DeleteNetworkAcl"
"output" : null,
},
"DeleteNetworkAclEntry" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified ingress or egress entry (rule) from the specified network ACL.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteNetworkAclEntryRequest",
 "xmlnsNamespace" : null
},
 "name" : "DeleteNetworkAclEntry",
 "output" : null
},
"DeleteNetworkInterface" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified network interface. You must detach the network interface before you can delete it.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteNetworkInterfaceRequest",
 "xmlnsNamespace" : null
},
 "name" : "DeleteNetworkInterface",
 "output" : null
},
"DeletePlacementGroup" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
"documentation": "<p>Deletes the specified placement group. You must terminate all instances in the placement group before you can delete the placement group. For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the Amazon Elastic Compute Cloud User Guide</p>.",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeletePlacementGroupRequest",
  "xmlNamespace": null
},
"name": "DeletePlacementGroup",
"output": null
},
"DeleteRoute": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified route from the specified route table.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteRouteRequest",
    "xmlNamespace": null
  },
  "name": "DeleteRoute",
  "output": null
},
"DeleteRouteTable": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Deletes the specified route table. You must disassociate the route table from any subnets before you can delete it. You can't delete the main route table.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeleteRouteTableRequest",
    "xmlNamespace": null
  },
  "name": "DeleteRouteTable",
  "output": null
}
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteRouteTableRequest",
 "xmlNamespace" : null
 },
"name" : "DeleteRouteTable",
"output" : null
},
"DeleteSecurityGroup" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes a security group.</p> <p>If you attempt to delete a security group that is associated with an instance, or is referenced by another security group, the operation fails with <code>InvalidGroup.InUse</code> in EC2-Classic or <code>DependencyViolation</code> in EC2-VPC.</p> ",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteSecurityGroupRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteSecurityGroup",
 "output" : null
},
"DeleteSnapshot" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified snapshot.</p> <p>When you make periodic snapshots of a volume, the snapshots are incremental, and only the blocks on the device that have changed since your last snapshot are saved in the new snapshot. When you delete a snapshot, only the data not needed for any other snapshot is removed. So regardless of which prior snapshots have been deleted, all active snapshots will have access to all the information needed to restore the volume.</p> <p>You cannot delete a snapshot of the root device of an EBS volume used by a registered AMI. You must first de-register the AMI before you can delete the snapshot.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-snapshot.html">Deleting an Amazon EBS Snapshot</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> ",
"errors" : null,
"http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
},
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteSnapshotRequest",
    "xmlNamespace" : null
},
"name" : "DeleteSnapshot",
"output" : null
},
"DeleteSpotDatafeedSubscription" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Deletes the data feed for Spot instances.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DeleteSpotDatafeedSubscriptionRequest",
        "xmlNamespace" : null
    },
    "name" : "DeleteSpotDatafeedSubscription",
    "output" : null
},
"DeleteSubnet" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Deletes the specified subnet. You must terminate all running instances in the subnet before you can delete the subnet.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
"DeleteTags" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Deletes the specified set of tags from the specified set of resources. This call is designed to follow a <code>DescribeTags</code> request. For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteTagsRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteTags",
  "output" : null
},
"DeleteVolume" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Deletes the specified EBS volume. The volume must be in the <code>available</code> state (not attached to an instance). The volume may remain in the <code>deleting</code> state for several minutes. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-deleting-volume.html">Deleting an Amazon EBS Volume</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DeleteVolumeRequest",
    "xmlNamespace" : null
  },
  "name" : "DeleteVolume",
  "output" : null
}
"locationName": null,
"shape": "DeleteVolumeRequest",
"xmlnsNamespace": null },
"name": "DeleteVolume",
"output": null },
"DeleteVpc": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteVpcRequest",
"xmlnsNamespace": null
},
"name": "DeleteVpc",
"output": null },
"DeleteVpcEndpoints": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "Deletes one or more specified VPC endpoints. Deleting the endpoint also deletes the endpoint routes in the route tables that were associated with the endpoint.",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DeleteVpcEndpointsRequest",
"xmlnsNamespace": null
},
"name" : "DeleteVpcEndpoints",
"output" : {
   "documentation" : null,
   "locationName" : null,
   "resultWrapper" : null,
   "shape" : "DeleteVpcEndpointsResult"
}
},
"DeleteVpcPeeringConnection" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "<p>Deletes a VPC peering connection. Either the owner of the requester VPC or the owner of the peer VPC can delete the VPC peering connection if it's in the <code>active</code> state. The owner of the requester VPC can delete a VPC peering connection in the <code>pending-acceptance</code> state. </p>",
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "DeleteVpcPeeringConnectionRequest",
      "xmlNamespace" : null
   },
   "name" : "DeleteVpcPeeringConnection",
   "output" : {
      "documentation" : null,
      "locationName" : null,
      "resultWrapper" : null,
      "shape" : "DeleteVpcPeeringConnectionResult"
   }
},
"DeleteVpnConnection" : {
   "authorizer" : null,
   "authtype" : "IAM",
   "deprecated" : false,
   "documentation" : "<p>Deletes the specified VPN connection.</p> 
   <p>If you're deleting the VPC and its associated components, we recommend that you detach the virtual private gateway from the VPC and delete the VPC before deleting the VPN connection. If you believe that the tunnel credentials for your VPN connection have been compromised, you can delete the VPN connection and create a new one that has new keys, without needing to delete the VPC or virtual private gateway. If you create a new VPN connection, you must reconfigure the customer gateway using the new configuration information returned with the new VPN connection ID.</p> ",
   "errors" : null,
   "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
   },
   "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "DeleteVpnConnectionRequest",
      "xmlNamespace" : null
   },
   "name" : "DeleteVpnConnection",
   "output" : {
      "documentation" : null,
      "locationName" : null,
      "resultWrapper" : null,
      "shape" : "DeleteVpnConnectionResult"
   }
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnection",
 "output" : null
}
,"DeleteVpnConnectionRoute" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRouteRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnectionRoute",
 "output" : null
}
,"DeleteVpnGateway" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified virtual private gateway. We recommend that before you delete a virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnection",
 "output" : null
},
"DeleteVpnConnectionRoute" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRouteRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnectionRoute",
 "output" : null
}
,"DeleteVpnGateway" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified virtual private gateway. We recommend that before you delete a virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnection",
 "output" : null
}
,"DeleteVpnConnectionRoute" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRouteRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnectionRoute",
 "output" : null
}
,"DeleteVpnGateway" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Deletes the specified virtual private gateway. We recommend that before you delete a virtual private gateway, you detach it from the VPC and delete the VPN connection. Note that you don't need to delete the virtual private gateway if you plan to delete and recreate the VPN connection between your VPC and your network.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
"requestUri" : "/",
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DeleteVpnConnectionRequest",
 "xmlNamespace" : null
 },
 "name" : "DeleteVpnConnection",
 "output" : null
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DeleteVpnGatewayRequest",
  "xmlNamespace": null
},
"name": "DeleteVpnGateway",
"output": null
},

"DeregisterImage": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Deregisters the specified AMI. After you deregister an AMI, it can't be used to launch new instances.</p>
  <p>This command does not delete the AMI.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DeregisterImageRequest",
    "xmlNamespace": null
  },
  "name": "DeregisterImage",
  "output": null
},

"DescribeAccountAttributes": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes attributes of your AWS account. The following are the supported account attributes:</p>
  <ul>
    <li><p><code>supported-platforms</code>: Indicates whether your account can launch instances into EC2-Classic and EC2-VPC, or only into EC2-VPC.</p></li>
    <li><p><code>default-vpc</code>: The ID of the default VPC for your account, or <code>none</code>.</p></li>
    <li><p><code>max-instances</code>: The maximum number of On-Demand instances that you can run.</p></li>
    <li><p><code>max-security-groups-per-interface</code>: The maximum number of security groups that you can assign to a network interface.</p></li>
    <li><p><code>max-elastic-ips</code>: The maximum number of Elastic IP addresses that you can allocate for use with EC2-Classic.</p></li>
  </ul>
  The maximum number of Elastic IP addresses that you can allocate for use with EC2-VPC.
  The maximum number of Elastic IP addresses that you can allocate for use with EC2-VPC.
  
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeAccountAttributesRequest",
    "xmlNamespace": null
  },
  "name": "DescribeAccountAttributes",
  "output": null
}
An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide.

Describes one or more of your Elastic IP addresses. An Elastic IP address is for use in either the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses.

Describes one or more of the Availability Zones that are available to you. The results
include zones only for the region you're currently using. If there is an event impacting an Availability Zone, you can use this request to view the state and any provided message for that Availability Zone. For more information, see Regions and Availability Zones in the Amazon Elastic Compute Cloud User Guide.

`DescribeAvailabilityZones`:

```json
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeAvailabilityZonesRequest",
  "xmlNamespace": null
},
"name": "DescribeAvailabilityZones",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeAvailabilityZonesResult"
}
```

`DescribeBundleTasks`:

```json
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes one or more of your bundling tasks. Completed bundle tasks are listed for only a limited time. If your bundle task is no longer in the list, you can still register an AMI from it. Just use `RegisterImage` with the Amazon S3 bucket name and image manifest name you provided to the bundle task."

`RegisterImage`:

```json
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeBundleTasksRequest",
  "xmlNamespace": null
},
"name": "DescribeBundleTasks",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeBundleTasksResult"
}
```
"resultWrapper" : null,
"shape" : "DescribeBundleTasksResult"
}
",
"DescribeClassicLinkInstances" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes one or more of your linked EC2-Classic instances. This request only returns information about EC2-Classic instances linked to a VPC through ClassicLink; you cannot use this request to return information about other instances.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeClassicLinkInstancesRequest",
"xmlNamespace" : null
},
"name" : "DescribeClassicLinkInstances",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeClassicLinkInstancesResult"
}
},
"DescribeConversionTasks" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes one or more of your conversion tasks. For more information, see the VM Import/Export User Guide. For information about the import manifest referenced by this API action, see VM Import Manifest."
,"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeConversionTasksRequest",
"xmlNamespace" : null
},
"name" : "DescribeConversionTasks",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeConversionTasksResult"
}
},
"DescribeCustomerGateways" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your VPN customer gateways.</p> <p>For more information about VPN customer gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html">Adding a Hardware Virtual Private Gateway to Your VPC</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>.
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeCustomerGatewaysRequest",
"xmlNamespace" : null
},
"name" : "DescribeCustomerGateways",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeCustomerGatewaysResult"
}
},
"DescribeDhcpOptions" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your DHCP options sets.</p> <p>For more information about DHCP options sets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_DHCP_Options.html">DHCP Options Sets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>.
"errors" : null,
"http" : {
"method" : "GET",
"requestUri" : "/",
"responseCode" : null
}
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeDhcpOptionsRequest",
  "xmlNamespace": null
},
"name": "DescribeDhcpOptions",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeDhcpOptionsResult"
}
},
"DescribeEgressOnlyInternetGateways": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "&lt;p&gt;Describes one or more of your egress-only Internet gateways.&lt;/p&gt;",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeEgressOnlyInternetGatewaysRequest",
    "xmlNamespace": null
  },
  "name": "DescribeEgressOnlyInternetGateways",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeEgressOnlyInternetGatewaysResult"
  }
},
"DescribeExportTasks": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": null,
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeExportTasksRequest",
    "xmlNamespace": null
  },
  "name": "DescribeExportTasks",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeExportTasksResult"
  }
}
"deprecated" : false,
"documentation" : "Describes one or more of your export tasks.";
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeExportTasksRequest",
"xmlnsNamespace" : null
},
"name" : "DescribeExportTasks",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeExportTasksResult"
},

"DescribeFlowLogs" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Describes one or more flow logs. To view the information in your flow logs (the log streams for the network interfaces), you must use the CloudWatch Logs console or the CloudWatch Logs API.";
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeFlowLogsRequest",
"xmlnsNamespace" : null
},
"name" : "DescribeFlowLogs",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeFlowLogsResult"
}
"DescribeHostReservationOfferings" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Describes the Dedicated Host Reservations that are available to purchase. The results describe all the Dedicated Host Reservation offerings, including offerings that may not match the instance family and region of your Dedicated Hosts. When purchasing an offering, ensure that the instance family and region of the offering matches that of the Dedicated Host/s it will be associated with. For an overview of supported instance types, see Dedicated Hosts Overview in the Amazon Elastic Compute Cloud User Guide.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeHostReservationOfferingsRequest",
        "xmlNamespace" : null
    },
    "name" : "DescribeHostReservationOfferings",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "DescribeHostReservationOfferingsResult"
    }
},
"DescribeHostReservations" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "Describes Dedicated Host Reservations which are associated with Dedicated Hosts in your account.
";
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "DescribeHostReservationsRequest",
        "xmlNamespace" : null
    }
}
The results describe only the Dedicated Hosts in the region you're currently using. All listed instances consume capacity on your Dedicated Host. Dedicated Hosts that have recently been released will be listed with the state `<code>released</code>`.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeHostsRequest",
  "xmlNamespace": null
},
"name": "DescribeHosts",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeHostsResult"
}
},
"DescribeIamInstanceProfileAssociations": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Describes your IAM instance profile associations.
",  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeIamInstanceProfileAssociationsResult"
  }
}
"documentation": null,
"locationName": null,
"shape": "DescribeIamInstanceProfileAssociationsRequest",
"xmlNamespace": null
},
"name": "DescribeIamInstanceProfileAssociations",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeIamInstanceProfileAssociationsResult"
},
"DescribeIdFormat": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes the ID format settings for your resources on a per-region basis, for example, to view which resource types are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types.</p> <p>The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. </p> <p>These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeIdFormatRequest",
    "xmlNamespace": null
  },
  "name": "DescribeIdFormat",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeIdFormatResult"
  }
},
"DescribeIdentityIdFormat": {
  "authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes the ID format settings for resources for the specified IAM user, IAM role, or root user. For example, you can view the resource types that are enabled for longer IDs. This request only returns information about resource types whose ID formats can be modified; it does not return information about other resource types. For more information, see [Resource IDs](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html) in the Amazon Elastic Compute Cloud User Guide. The following resource types support longer IDs: instance | reservation | snapshot | volume. These settings apply to the principal specified in the request. They do not apply to the principal that makes the request."

"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeIdentityIdFormatRequest",
"xmlNamespace": null
},
"name": "DescribeIdentityIdFormat",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeIdentityIdFormatResult"
},

"DescribeImageAttribute": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes the specified attribute of the specified AMI. You can specify only one attribute at a time."
},
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeImageAttributeRequest",
"xmlNamespace": null
}
"name": "DescribeImageAttribute",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeImageAttributeResult"
}
},

"DescribeImages": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes one or more of the images (AMIs, AKIs, and ARIs) available to you. Images available to you include public images, private images that you own, and private images owned by other AWS accounts but for which you have explicit launch permissions. <note> Deregistered images are included in the returned results for an unspecified interval after deregistration. </note>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeImagesRequest",
"xmlNamespace": null
},
"name": "DescribeImages",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeImagesResult"
}
},

"DescribeImportImageTasks": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Displays details about an import virtual machine or import snapshot tasks that are already created.",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
}
"DescribeImportImageTasks" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes your import image tasks.

  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeImportImageTasksRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeImportImageTasks",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeImportImageTasksResult"
  }
},
"DescribeImportSnapshotTasks" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes your import snapshot tasks.

  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeImportSnapshotTasksRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeImportSnapshotTasks",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeImportSnapshotTasksResult"
  }
},
"DescribeInstanceAttribute" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes the specified attribute of the specified instance. You can specify only one attribute at a time. Valid attribute values are: instanceType | kernel | ramdisk | userData | disableApiTermination | instanceInitiatedShutdownBehavior | rootDeviceName"
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeInstanceAttributeRequest",
  "xmlNamespace" : null
},
"name" : "DescribeInstanceAttribute",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeInstanceAttributeResult"
},
"DescribeInstanceStatus" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Describes the status of one or more instances. By default, only running instances are described, unless specified otherwise.&lt;/p&gt; &lt;p&gt;Instance status includes the following components:&lt;/p&gt; &lt;ul&gt; &lt;li&gt;&lt;p&gt;&lt;b&gt;Status checks&lt;/b&gt; - Amazon EC2 performs status checks on running EC2 instances to identify hardware and software issues. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-system-instance-status-check.html">Status Checks for Your Instances</a&gt; and &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstances.html">Troubleshooting Instances with Failed Status Checks&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt;&lt;p&gt;&lt;b&gt;Scheduled events&lt;/b&gt; - Amazon EC2 can schedule events (such as reboot, stop, or terminate) for your instances related to hardware issues, software updates, or system maintenance. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/multiplesystem-instance-status-check_sched.html">Scheduled Events for Your Instances&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;/li&gt; &lt;li&gt;&lt;p&gt;&lt;b&gt;Instance state&lt;/b&gt; - You can manage your instances from the moment you launch them through their termination. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  }
}
}
"input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeInstanceStatusRequest",
    "xmlNamespace": null
},
"name": "DescribeInstanceStatus",
"output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeInstanceStatusResult"
}
},
"DescribeInstances": {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": "Describes one or more of your instances. If you specify one or more instance IDs, Amazon EC2 returns information for those instances. If you do not specify instance IDs, Amazon EC2 returns information for all relevant instances. If you specify an instance ID that is not valid, an error is returned. If you specify an instance that you do not own, it is not included in the returned results. Recently terminated instances might appear in the returned results. This interval is usually less than one hour. If you describe instances in the rare case where an Availability Zone is experiencing a service disruption and you specify instance IDs that are in the affected zone, or do not specify any instance IDs at all, the call fails. If you describe instances and specify only instance IDs that are in an unaffected zone, the call works normally."
},
"errors": null,
"http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
},
"input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeInstancesRequest",
    "xmlNamespace": null
},
"name": "DescribeInstances",
"output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeInstancesResult"
}
},
"DescribeInternetGateways": {
    "authorizer": null,
    "authtype": "IAM",
    "deprecated": false,
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeInternetGatewaysResult"
}
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your Internet gateways.</p>",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeInternetGatewaysRequest",
  "xmlNamespace" : null
},
"name" : "DescribeInternetGateways",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeInternetGatewaysResult"
},
"DescribeKeyPairs" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of your key pairs.</p> <p>For more information about key pairs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. &lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeKeyPairsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeKeyPairs",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeKeyPairsResult"
DescribeMovingAddresses : 
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes your Elastic IP addresses that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other Elastic IP addresses in your account.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeMovingAddressesRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeMovingAddresses",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeMovingAddressesResult"
  }
},

DescribeNatGateways : 
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes one or more of the your NAT gateways.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeNatGatewaysRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeNatGateways",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeNatGatewaysResult"
  }
}
"DescribeNatGateways": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Describes NAT gateways in your VPC. Use the DescribeNatGateways action to get the current list of your NAT gateways. You can filter on the ID of the gateway in the request. Put the following query parameter in the URL to filter on a specific gateway: http://127.0.0.1:8080/?gateway_id=123. For more information about NAT gateways, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT.html">NAT gateways</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeNatGatewaysRequest",
"xmlNamespace": null
},
"name": "DescribeNatGateways",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeNatGatewaysResult"
}
},
"DescribeNetworkAcls": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Describes one or more of your network ACLs. </p> <p>For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeNetworkAclsRequest",
"xmlNamespace": null
},
"name": "DescribeNetworkAcls",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeNetworkAclsResult"
}
},
"DescribeNetworkInterfaceAttribute": {
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Describes a network interface attribute. You can specify only one attribute at a time. </p> ",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeNetworkInterfaceAttributeRequest",
"xmlNamespace": null
},
"name": "DescribeNetworkInterfaceAttribute",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeNetworkInterfaceAttributeResult"
}
]
"DescribeNetworkInterfaces": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "<p>Describes one or more of your network interfaces.</p>",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeNetworkInterfacesRequest",
"xmlNamespace": null
},
"name": "DescribeNetworkInterfaces",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeNetworkInterfacesResult"
}
],
"DescribePlacementGroups": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "<p>Describes one or more of your placement groups. For more information about placement groups and cluster instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using_cluster_computing.html">Cluster Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors": null,
"http": {
"method": "POST",}
"requestUri" : "/",
"responseCode" : null
",
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribePlacementGroupsRequest",
  "xmlNamespace" : null
},

"name" : "DescribePlacementGroups",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribePlacementGroupsResult"
}
},

"DescribePrefixLists" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes available AWS services in a prefix list format, which includes the prefix list name and prefix list ID of the service and the IP address range for the service. A prefix list ID is required for creating an outbound security group rule that allows traffic from a VPC to access an AWS service through a VPC endpoint.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribePrefixListsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribePrefixLists",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribePrefixListsResult"
  }
},

"DescribeRegions" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Describes the available AWS regions in a region list format, which includes the region name and region ID of the region. A region ID is required for creating a VPC endpoint for accessing an AWS service through a VPC endpoint.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeRegionsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeRegions",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeRegionsResult"
  }
}
"deprecated" : false,
"documentation" : "<p>Describes one or more regions that are currently available to you.</p> 
For a list of the regions supported by Amazon EC2, see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html#ec2_region">Regions and Endpoints</a>.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeRegionsRequest",
"xmlNamespace" : null
},
"name" : "DescribeRegions",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeRegionsResult"
},
"DescribeReservedInstances" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of the Reserved Instances that you purchased.</p>
For more information about Reserved Instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeReservedInstancesRequest",
"xmlNamespace" : null
},
"name" : "DescribeReservedInstances",
"output" : {
"documentation" : null,
"locationName" : null,
Describes your account's Reserved Instance listings in the Reserved Instance Marketplace. The Reserved Instance Marketplace matches sellers who want to resell Reserved Instance capacity that they no longer need with buyers who want to purchase additional capacity. Reserved Instances bought and sold through the Reserved Instance Marketplace work like any other Reserved Instances. As a seller, you choose to list some or all of your Reserved Instances, and you specify the upfront price to receive for them. Your Reserved Instances are then listed in the Reserved Instance Marketplace and are available for purchase.

As a buyer, you specify the configuration of the Reserved Instance to purchase, and the Marketplace matches what you're searching for with what's available. The Marketplace first sells the lowest priced Reserved Instances to you, and continues to sell available Reserved Instance listings to you until your demand is met. You are charged based on the total price of all of the listings that you purchase.

For more information, see the Amazon Elastic Compute Cloud User Guide. Modifying Reserved Instances.
Instances</a> in the Amazon Elastic Compute Cloud User Guide.</p> 

"errors" : null, 
"http" : { 
"method" : "POST", 
"requestUri" : "/", 
"responseCode" : null 
}, 
"input" : { 
"documentation" : null, 
"locationName" : null, 
"shape" : "DescribeReservedInstancesModificationsRequest", 
"xmlnsNamespace" : null 
}, 
"name" : "DescribeReservedInstancesModifications", 
"output" : { 
"documentation" : null, 
"locationName" : null, 
"resultWrapper" : null, 
"shape" : "DescribeReservedInstancesModificationsResult" 
} 
}, 
"DescribeReservedInstancesOfferings" : { 
"authorizer" : null, 
"authtype" : "IAM", 
"deprecated" : false, 
"documentation" : "Describes Reserved Instance offerings that are available for purchase. With Reserved Instances, you purchase the right to launch instances for a period of time. During that time period, you do not receive insufficient capacity errors, and you pay a lower usage rate than the rate charged for On-Demand instances for the actual time used. If you have listed your own Reserved Instances for sale in the Reserved Instance Marketplace, they will be excluded from these results. This is to ensure that you do not purchase your own Reserved Instances. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"; 
"errors" : null, 
"http" : { 
"method" : "POST", 
"requestUri" : "/", 
"responseCode" : null 
}, 
"input" : { 
"documentation" : null, 
"locationName" : null, 
"shape" : "DescribeReservedInstancesOfferingsRequest", 
"xmlnsNamespace" : null 
}, 
"name" : "DescribeReservedInstancesOfferings", 
"output" : { 
"documentation" : null, 
"locationName" : null, 
"shape" : "DescribeReservedInstancesOfferingsResult", 
"xmlnsNamespace" : null 
} 
} 


"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeReservedInstancesOfferingsResult"
}
],
"DescribeRouteTables" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Describes one or more of your route tables.</p> <p>Each subnet in your VPC must be associated with a route table. If a subnet is not explicitly associated with any route table, it is implicitly associated with the main route table. This command does not return the subnet ID for implicit associations.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeRouteTablesRequest",
"xmlNamespace" : null
},
"name" : "DescribeRouteTables",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeRouteTablesResult"
}
],
"DescribeScheduledInstanceAvailability" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Finds available schedules that meet the specified criteria.</p> <p>You can search for an available schedule no more than 3 months in advance. You must meet the minimum required duration of 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.</p> <p>After you find a schedule that meets your needs, call <a>PurchaseScheduledInstances</a> to purchase Scheduled Instances with that schedule.</p>"},
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/"
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeScheduledInstanceAvailabilityRequest",
 "xmlNamespace" : null
},
"name" : "DescribeScheduledInstanceAvailability",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeScheduledInstanceAvailabilityResult"
}
},
"DescribeScheduledInstances" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Describes one or more of your Scheduled Instances.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DescribeScheduledInstancesRequest",
 "xmlNamespace" : null
},
"name" : "DescribeScheduledInstances",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DescribeScheduledInstancesResult"
}
},
"DescribeSecurityGroupReferences" : {
 "authorizer" : null,
 "authType" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>[EC2-VPC only] Describes the VPCs on the other side of a VPC peering connection that are referencing the security groups you've specified in this request.</p>",
 "errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeSecurityGroupReferencesRequest",
  "xmlNamespace" : null
},
"name" : "DescribeSecurityGroupReferences",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeSecurityGroupReferencesResult"
}
},
"DescribeSecurityGroups" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeSecurityGroupsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeSecurityGroups",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeSecurityGroupsResult"
  }
}
DescribeSnapshotAttribute:

- **authorizer**: null
- **authType**: "IAM"
- **deprecated**: false
- **documentation**: "Describes the specified attribute of the specified snapshot. You can specify only one attribute at a time."
- **Errors**: null
- **Http**: {
  - **method**: "POST"
  - **requestUri**: "/"
  - **responseCode**: null
}
- **Input**: {
  - **documentation**: null
  - **locationName**: null
  - **shape**: "DescribeSnapshotAttributeRequest"
  - **xmlNamespace**: null
}
- **Name**: "DescribeSnapshotAttribute"
- **Output**: {
  - **documentation**: null
  - **locationName**: null
  - **resultWrapper**: null
  - **shape**: "DescribeSnapshotAttributeResult"
}

DescribeSnapshots:

- **authorizer**: null
- **authType**: "IAM"
- **deprecated**: false
- **documentation**: "Describes one or more of the EBS snapshots available to you. Available snapshots include public snapshots available for any AWS account to launch, private snapshots that you own, and private snapshots owned by another AWS account but for which you've been given explicit create volume permissions."
- **Errors**: null
- **Http**: {
  - **method**: "POST"
  - **requestUri**: "/"
  - **responseCode**: null
}
- **Input**: {
  - **documentation**: null
  - **locationName**: null
  - **shape**: "DescribeSnapshotsRequest"
  - **xmlNamespace**: null
}
- **Name**: "DescribeSnapshots"
- **Output**: {
  - **documentation**: null
  - **locationName**: null
  - **resultWrapper**: null
  - **shape**: "DescribeSnapshotsResult"
}
snapshots owned by Amazon, or <code>self</code> for snapshots that you own. If you specify a list of restorable users, only snapshots with create snapshot permissions for those users are returned. You can specify AWS account IDs (if you own the snapshots), <code>self</code> for snapshots for which you own or have explicit permissions, or <code>all</code> for public snapshots. If you are describing a long list of snapshots, you can paginate the output to make the list more manageable. The <code>MaxResults</code> parameter sets the maximum number of results returned in a single page. If the list of results exceeds your <code>MaxResults</code> value, then that number of results is returned along with a <code>NextToken</code> value that can be passed to a subsequent <code>DescribeSnapshots</code> request to retrieve the remaining results.

For more information about EBS snapshots, see Amazon EBS Snapshots in the Amazon Elastic Compute Cloud User Guide.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeSnapshotsRequest",
  "xmlNamespace" : null
},
"name" : "DescribeSnapshots",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "DescribeSnapshotsResult"
}
"DescribeSpotDatafeedSubscription" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes the data feed for Spot instances. For more information, see Spot Instance Data Feed in the Amazon Elastic Compute Cloud User Guide.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DescribeSpotDatafeedSubscriptionRequest",
}
"xmlNamespace": null,
"name": "DescribeSpotDatafeedSubscription",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeSpotDatafeedSubscriptionResult"
}
},
"DescribeSpotFleetInstances": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes the running instances for the specified Spot fleet.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeSpotFleetInstancesRequest",
    "xmlns": null
  },
  "name": "DescribeSpotFleetInstances",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeSpotFleetInstancesResponse"
  }
},
"DescribeSpotFleetRequestHistory": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes the events for the specified Spot fleet request during the specified time.</p>"
  <p>Spot fleet events are delayed by up to 30 seconds before they can be described. This ensures that you can query by the last evaluated time and not miss a recorded event.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  }
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeSpotFleetRequestHistoryRequest",
  "xmlnsNamespace": null
},
"name": "DescribeSpotFleetRequestHistory",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeSpotFleetRequestHistoryResponse"
}
},
"DescribeSpotFleetRequests": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Describes your Spot fleet requests. Spot fleet requests are deleted 48 hours after they are canceled and their instances are terminated.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeSpotFleetRequestsRequest",
    "xmlnsNamespace": null
  },
  "name": "DescribeSpotFleetRequests",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeSpotFleetRequestsResponse"
  }
},
"DescribeSpotInstanceRequests": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Describes the Spot instance requests that belong to your account. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot instance capacity and current Spot instance requests. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-

You can use <code>DescribeSpotInstanceRequests</code> to find a running Spot instance by examining the response. If the status of the Spot instance is <code>fulfilled</code>, the instance ID appears in the response and contains the identifier of the instance. Alternatively, you can use <code>DescribeInstances</code> with a filter to look for instances where the instance lifecycle is <code>spot</code>.

Spot instance requests are deleted 4 hours after they are canceled and their instances are terminated.
"name": "DescribeSpotPriceHistory",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeSpotPriceHistoryResult"
},
"DescribeStaleSecurityGroups": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>[EC2-VPC only] Describes the stale security group rules for security groups in a specified VPC. Rules are stale when they reference a deleted security group in a peer VPC, or a security group in a peer VPC for which the VPC peering connection has been deleted.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeStaleSecurityGroupsRequest",
    "xmlNamespace": null
  },
  "name": "DescribeStaleSecurityGroups",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeStaleSecurityGroupsResult"
  }
},
"DescribeSubnets": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Describes one or more of your subnets.</p> <p>For more information about subnets, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html">Your VPC and Subnets</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  }
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DescribeSubnetsRequest",
  "xmlNamespace": null
},
"name": "DescribeSubnets",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DescribeSubnetsResult"
}
},
"DescribeTags": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Describes one or more of the tags for your EC2 resources. For more information about tags, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Resources</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "DescribeTagsRequest",
    "xmlNamespace": null
  },
  "name": "DescribeTags",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "DescribeTagsResult"
  }
},
"DescribeVolumeAttribute": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "Describes the specified attribute of the specified volume. You can specify only one attribute at a time. For more information about EBS volumes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html">Amazon EBS Volumes</a> in
the <i>Amazon Elastic Compute Cloud User Guide</i>.

Describes the status of the specified volumes. Volume status provides the result of the checks performed on your volumes to determine events that can impair the performance of your volumes. The performance of a volume can be affected if an issue occurs on the volume's underlying host. If the volume's underlying host experiences a power outage or system issue, after the system is restored, there could be data inconsistencies on the volume. Volume events notify you if this occurs. Volume actions notify you if any action needs to be taken in response to the event. The <code>DescribeVolumeStatus</code> operation provides the following information about the specified volumes:

- **Status**: Reflects the current status of the volume. The possible values are <code>ok</code>, <code>impaired</code>, <code>warning</code>, or <code>insufficient-data</code>. If all checks pass, the overall status of the volume is <code>ok</code>. If the check fails, the overall status is <code>impaired</code>. If the status is <code>insufficient-data</code>, then the checks may still be taking place on your volume at the time. We recommend that you retry the request. For more information on volume status, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/monitoring-volume-status.html"">Monitoring the Status of Your Volumes</a>.

- **Events**: Reflect the cause of a volume status and may require you to take action. For example, if your volume returns an <code>impaired</code> status, then the volume event might be <code>potential-data-inconsistency</code>. This means that your volume has been affected by an issue with the underlying host, has all I/O operations disabled, and may have inconsistent data.

- **Actions**: Reflect the actions you may have to take in response to an event. For example, if the status of the volume is <code>impaired</code> and the volume event shows <code>potential-data-inconsistency</code>, then the action shows <code>enable-volume-io</code>. This means that you may want to enable the I/O operations for the volume by calling the <code>EnableVolumeIO</code> action and then check the volume for data consistency. Volume status is based on the volume status checks, and does not reflect the volume state. Therefore, volume status does not indicate volumes in the <code>error</code> state (for example, when a volume is incapable of accepting I/O).
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVolumeStatusRequest",
"xmlns" : null
},
"name" : "DescribeVolumeStatus",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeVolumeStatusResult"
},
"DescribeVolumes" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes the specified EBS volumes.
If you are describing a long list of volumes, you can paginate the output to make the list more manageable. The MaxResults parameter sets the maximum number of results returned in a single page. If the list of results exceeds your MaxResults value, then that number of results is returned along with a NextToken value that can be passed to a subsequent DescribeVolumes request to retrieve the remaining results.
For more information about EBS volumes, see Amazon Elastic Compute Cloud User Guide.
", 
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVolumesRequest",
"xmlns" : null
},
"name" : "DescribeVolumes",
"output" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVolumesRequest",
"xmlns" : null
}
Current-generation EBS volumes support modification of attributes including type, size, and (for `io1` volumes) IOPS provisioning while either attached to or detached from an instance. Following an action from the API or the console to modify a volume, the status of the modification may be `modifying`, `optimizing`, `completed`, or `failed`. If a volume has never been modified, then certain elements of the returned `VolumeModification` objects are null. You can also use CloudWatch Events to check the status of a modification to an EBS volume. For information about CloudWatch Events, see the Amazon CloudWatch Events User Guide. For more information, see "Monitoring Volume Modifications".
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVpcAttributeRequest",
"xmlNamespace" : null
}
",
"name" : "DescribeVpcAttribute",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeVpcAttributeResult"
}
}
",
"DescribeVpcClassicLink" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "\n<p>Describes the ClassicLink status of one or more VPCs.</p>"
",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
}
",
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVpcClassicLinkRequest",
"xmlNamespace" : null
}
",
"name" : "DescribeVpcClassicLink",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeVpcClassicLinkResult"
}
}
",
"DescribeVpcClassicLinkDnsSupport" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "\n<p>Describes the ClassicLink DNS support status of one or more VPCs. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the
VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.

"errors" : null,
"http" : { 
"method" : "POST",
"requestUri" : "/",
"responseCode" : null 
},
"input" : { 
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVpcClassicLinkDnsSupportRequest",
"xmlNamespace" : null 
},
"name" : "DescribeVpcClassicLinkDnsSupport",
"output" : { 
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeVpcClassicLinkDnsSupportResult"
}
},
"DescribeVpcEndpointServices" : { 
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "Describes all supported AWS services that can be specified when creating a VPC endpoint.

"errors" : null,
"http" : { 
"method" : "POST",
"requestUri" : "/",
"responseCode" : null 
},
"input" : { 
"documentation" : null,
"locationName" : null,
"shape" : "DescribeVpcEndpointServicesRequest",
"xmlNamespace" : null 
},
"name" : "DescribeVpcEndpointServices",
"output" : { 
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DescribeVpcEndpointServicesResult"
}
"DescribeVpcEndpoints" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your VPC endpoints.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUrl" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeVpcEndpointsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeVpcEndpoints",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DescribeVpcEndpointsResult"
  }
},

"DescribeVpcPeeringConnections" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Describes one or more of your VPC peering connections.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUrl" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DescribeVpcPeeringConnectionsRequest",
    "xmlNamespace" : null
  },
  "name" : "DescribeVpcPeeringConnections",
  "output" : {
    "documentation" : null,
    "locationName" : null,
"resultWrapper": null,
"shape": "DescribeVpcPeeringConnectionsResult"
},
"DescribeVpcs": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes one or more of your VPCs.",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeVpcsRequest",
"xmlNamespace": null
},
"name": "DescribeVpcs",
"output": {
"documentation": null,
"locationName": null,
"resultWrapper": null,
"shape": "DescribeVpcsResult"
}
},
"DescribeVpnConnections": {
"authorizer": null,
"authType": "IAM",
"deprecated": false,
"documentation": "Describes one or more of your VPN connections.",
"errors": null,
"http": {
"method": "POST",
"requestUri": "/",
"responseCode": null
},
"input": {
"documentation": null,
"locationName": null,
"shape": "DescribeVpnConnectionsRequest",
"xmlNamespace": null
}
"DescribeVpnConnections" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Describes one or more of your virtual private gateways. For more information about virtual private gateways, see Adding an IPsec Hardware VPN to Your VPC in the Amazon Virtual Private Cloud User Guide."
},
"DescribeVpnGateways" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Describes one or more of your virtual private gateways."
},
"DetachClassicLinkVpc" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Unlinks (detaches) a linked EC2-Classic instance from a VPC. After the instance has been unlinked, the VPC security groups are no longer associated with it. An instance is automatically unlinked from a VPC when it's stopped."
}
"responseCode" : null
},
"input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DetachClassicLinkVpcRequest",
 "xmlNamespace" : null
},
"name" : "DetachClassicLinkVpc",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "DetachClassicLinkVpcResult"
}
},
"DetachInternetGateway" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Detaches an Internet gateway from a VPC, disabling connectivity between the Internet and the VPC. The VPC must not contain any running instances with Elastic IP addresses.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 },
 "input" : {
 "documentation" : null,
 "locationName" : null,
 "shape" : "DetachInternetGatewayRequest",
 "xmlNamespace" : null
 },
 "name" : "DetachInternetGateway",
 "output" : null
},
"DetachNetworkInterface" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Detaches a network interface from an instance.</p>",
 "errors" : null,
 "http" : {
 "method" : "POST",
 "requestUri" : "/",
 "responseCode" : null
 })
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DetachNetworkInterfaceRequest",
  "xmlNamespace": null
},
"name": "DetachNetworkInterface",
"output": null
},
"DetachVolume": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Detaches an EBS volume from an instance. Make sure to unmount any file systems on the device within your operating system before detaching the volume. Failure to do so can result in the volume becoming stuck in the <code>busy</code> state while detaching. If this happens, detachment can be delayed indefinitely until you unmount the volume, force detachment, reboot the instance, or all three. If an EBS volume is the root device of an instance, it can't be detached while the instance is running. To detach the root volume, stop the instance first.

When a volume with an AWS Marketplace product code is detached from an instance, the product code is no longer associated with the instance.


"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DetachVolumeRequest",
  "xmlNamespace": null
},
"name": "DetachVolume",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "DetachVolumeResult"
}
},
"DetachVpnGateway": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Detaches a virtual private gateway from a VPC. You do this if you're planning to turn off the VPC and not use it anymore. You can confirm a virtual private gateway has been completely detached from a
VPC by describing the virtual private gateway (any attachments to the virtual private gateway are also described).

You must wait for the attachment's state to switch to `detached` before you can delete the VPC or attach a different VPC to the virtual private gateway.

```json
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "DetachVpnGatewayRequest",
  "xmlNamespace": null
},
"name": "DetachVpnGateway",
"output": null
},
"DisableVgwRoutePropagation": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC.

Disables ClassicLink for a VPC. You cannot disable ClassicLink for a VPC that has EC2-Classic instances linked to it.

```
"requestUri" : ":/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisableVpcClassicLinkRequest",
"xmlNamespace" : null
},
"name" : "DisableVpcClassicLink",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DisableVpcClassicLinkResult"
}
},
"DisableVpcClassicLinkDnsSupport" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Disables ClassicLink DNS support for a VPC. If disabled, DNS hostnames resolve to public IP addresses when addressed between a linked EC2-Classic instance and instances in the VPC to which it's linked. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the Amazon Elastic Compute Cloud User Guide.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : ":/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "DisableVpcClassicLinkDnsSupportRequest",
"xmlNamespace" : null
},
"name" : "DisableVpcClassicLinkDnsSupport",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "DisableVpcClassicLinkDnsSupportResult"
}
},
"DisassociateAddress" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Disassociates an Elastic IP address from the instance or network interface it's associated with. For Elastic IP addresses in either the EC2-Classic platform or in a VPC. For more information, see Elastic IP Addresses in the Amazon Elastic Compute Cloud User Guide. This is an idempotent operation. If you perform the operation more than once, Amazon EC2 doesn't return an error.",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DisassociateAddressRequest",
  "xmlNamespace" : null
},
"name" : "DisassociateAddress",
"output" : null
},
"DisassociateIamInstanceProfile" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Disassociates an IAM instance profile from a running or stopped instance.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DisassociateIamInstanceProfileRequest",
    "xmlNamespace" : null
  },
  "name" : "DisassociateIamInstanceProfile",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "DisassociateIamInstanceProfileResult"  
  }
}
"DisassociateRouteTable" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Disassociates a subnet from a route table. After you perform this action, the subnet no longer uses the routes in the route table. Instead, it uses the routes in the VPC's main route table. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the Amazon Virtual Private Cloud User Guide.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "DisassociateRouteTableRequest",
    "xmlNamespace" : null
  },
  "name" : "DisassociateRouteTable",
  "output" : null
},
"DisassociateSubnetCidrBlock" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Disassociates a CIDR block from a subnet. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it."
},
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "DisassociateSubnetCidrBlockRequest",
  "xmlNamespace" : null
},
"name" : "DisassociateSubnetCidrBlock",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null
}
Disassociate a CIDR block from a VPC. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it.

<p>Enables a virtual private gateway (VGW) to propagate routes to the specified route table of a VPC.</p>
"name" : "EnableVgwRoutePropagation",
"output" : null
},
"EnableVolumeIO" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Enables I/O operations for a volume that had I/O operations disabled because the data on
the volume was potentially inconsistent.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "EnableVolumeIORequest",
        "xmlNamespace" : null
    },
    "name" : "EnableVolumeIO",
    "output" : null
},
"EnableVpcClassicLink" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Enables a VPC for ClassicLink. You can then link EC2-Classic instances to your
ClassicLink-enabled VPC to allow communication over private IP addresses. You cannot enable your VPC for
ClassicLink if any of your VPC's route tables have existing routes for address ranges within the
<code>10.0.0.0/8</code> IP address range, excluding local routes for VPCs in the <code>10.0.0.0/16</code> and
<code>10.1.0.0/16</code> IP address ranges. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the
Amazon Elastic Compute Cloud User Guide.</p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "EnableVpcClassicLinkRequest",
        "xmlNamespace" : null
    },
    "name" : "EnableVpcClassicLink",
}
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "EnableVpcClassicLinkResult"
}
},
"EnableVpcClassicLinkDnsSupport" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Enables a VPC to support DNS hostname resolution for ClassicLink. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it's linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information about ClassicLink, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/vpc-classiclink.html">ClassicLink</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>.
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "EnableVpcClassicLinkDnsSupportRequest",
    "xmlNamespace" : null
  },
  "name" : "EnableVpcClassicLinkDnsSupport",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "EnableVpcClassicLinkDnsSupportResult"
  }
},
"GetConsoleOutput" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Gets the console output for the specified instance.</p> <p>Instances do not have a physical monitor through which you can view their console output. They also lack physical controls that allow you to power up, reboot, or shut them down. To allow these actions, we provide them through the Amazon EC2 API and command line interface.</p> <p>Instance console output is buffered and posted shortly after instance boot, reboot, and termination. Amazon EC2 preserves the most recent 64 KB output which is available for at least one hour after the most recent post.</p> <p>For Linux instances, the instance console output displays the exact console output that would normally be displayed on a physical monitor attached to a computer. This output is buffered because the
instance produces it and then posts it to a store where the instance's owner can retrieve it. For Windows instances, the instance console output includes output from the EC2Config service.

```json
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "GetConsoleOutputRequest",
  "xmlnsNamespace": null
},
"name": "GetConsoleOutput",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "GetConsoleOutputResult"
}

"GetConsoleScreenshot": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Retrieve a JPG-format screenshot of a running instance to help with troubleshooting.

The returned content is Base64-encoded."

```
"GetHostReservationPurchasePreview" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Preview a reservation purchase with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This is a preview of the PurchaseHostReservation action and does not result in the offering being purchased.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "GetHostReservationPurchasePreviewRequest",
    "xmlNamespace" : null
  },
  "name" : "GetHostReservationPurchasePreview",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "GetHostReservationPurchasePreviewResult"
  }
},
"GetPasswordData" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Retrieves the encrypted administrator password for an instance running Windows. The Windows password is generated at boot if the EC2Config service plugin, Ec2SetPassword, is enabled. This usually only happens the first time an AMI is launched, and then is automatically disabled. The password is not generated for rebundled AMIs unless Ec2SetPassword is enabled before bundling. The password is encrypted using the key pair that you specified when you launched the instance. You must provide the corresponding key pair file. Password generation and encryption takes a few moments. We recommend that you wait up to 15 minutes after launching an instance before trying to retrieve the generated password.",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null
  }
}
"shape" : "GetPasswordDataRequest",
"xmlNamespace" : null
},
"name" : "GetPasswordData",
"output" : {
 "documentation" : null,
 "locationName" : null,
 "resultWrapper" : null,
 "shape" : "GetPasswordDataResult"
}
},
"GetReservedInstancesExchangeQuote" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Returns details about the values and term of your specified Convertible Reserved Instances. When a target configuration is specified, it returns information about whether the exchange is valid and can be performed.</p>",
 "errors" : null,
 "http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
 },
 "input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "GetReservedInstancesExchangeQuoteRequest",
  "xmlNamespace" : null
 },
 "name" : "GetReservedInstancesExchangeQuote",
 "output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "GetReservedInstancesExchangeQuoteResult"
 }
},
"ImportImage" : {
 "authorizer" : null,
 "authtype" : "IAM",
 "deprecated" : false,
 "documentation" : "<p>Import single or multi-volume disk images or EBS snapshots into an Amazon Machine Image (AMI). For more information, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vminport-image-import.html">Importing a VM as an Image Using VM Import/Export</a> in the <i>VM Import/Export User Guide</i>.</p>",
 "errors" : null,
 "http" : {

"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ImportImageRequest",
"xmlNamespace" : null
},
"name" : "ImportImage",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ImportImageResult"
}
},
"ImportInstance" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates an import instance task using metadata from the specified disk image. 
<code>ImportInstance</code> only supports single-volume VMs. To import multi-volume VMs, use <a>ImportImage</a>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ec2-cli-vmimport-export.html">Importing a Virtual Machine Using the Amazon EC2 CLI</a>.<p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.<p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ImportInstanceRequest",
"xmlNamespace" : null
},
"name" : "ImportInstance",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ImportInstanceResult"
"ImportKeyPair" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Imports the public key from an RSA key pair that you created with a third-party tool. Compare this with &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">CreateKeyPair</a>, in which AWS creates the key pair and gives the keys to you (AWS keeps a copy of the public key). With ImportKeyPair, you create the key pair and give AWS just the public key. The private key is never transferred between you and AWS.&lt;/p&gt; &lt;p&gt;For more information about key pairs, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a&gt; in the Amazon Elastic Compute Cloud User Guide.&lt;/i&gt;.&lt;/p&gt;",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ImportKeyPairRequest",
  "xmlNamespace" : null
},
"name" : "ImportKeyPair",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ImportKeyPairResult"
}
},
"ImportSnapshot" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Imports a disk into an EBS snapshot.
&lt;p&gt;Imports a disk into an EBS snapshot.&lt;/p&gt;",
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ImportSnapshotRequest",
  "xmlNamespace" : null
}
"name" : "ImportSnapshot",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ImportSnapshotResult"
}
},
"ImportVolume" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Creates an import volume task using metadata from the specified disk image. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/importing-your-volumes-into-amazon-ebs.html">Importing Disks to Amazon EBS</a>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.<p>"",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ImportVolumeRequest",
"xmlNamespace" : null
},
"name" : "ImportVolume",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ImportVolumeResult"
}
},
"ModifyHosts" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modify the auto-placement setting of a Dedicated Host. When auto-placement is enabled, AWS will place instances that you launch with a tenancy of <code>host</code>, but without targeting a specific host ID, onto any available Dedicated Host in your account which has auto-placement enabled. When auto-placement is disabled, you need to provide a host ID if you want the instance to launch onto a specific host. If no host ID is provided, the instance will be launched onto a suitable host which has auto-placement enabled.<p>"
"modifyIdFormat" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you’re using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;. &lt;/p&gt; &lt;p&gt;Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant &lt;code&gt;Describe&lt;/code&gt; command for the resource type.&lt;/p&gt;",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "ModifyIdFormatRequest",
    "xmlNamespace" : null
  },
  "name" : "ModifyIdFormat",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "ModifyIdFormatResult"
  }
}
"ModifyIdentityIdFormat" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Modifies the ID format of a resource for a specified IAM user, IAM role, or the root user for an account; or all IAM users, IAM roles, and the root user for an account. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the Amazon Elastic Compute Cloud User Guide.

This setting applies to the principal specified in the request; it does not apply to the principal that makes the request.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant <code>Describe</code> command for the resource type.

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyIdentityIdFormatRequest",
"xmlNamespace" : null
},
"name" : "ModifyIdentityIdFormat",
"output" : null
},
"ModifyImageAttribute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Modifies the specified attribute of the specified AMI. You can specify only one attribute at a time.

AWS Marketplace product codes cannot be modified. Images with an AWS Marketplace product code cannot be made public.

The SrivNetSupport enhanced networking attribute cannot be changed using this command. Instead, enable SrivNetSupport on an instance and create an AMI from the instance. This will result in an image with SrivNetSupport enabled.

"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyImageAttributeRequest",
"xmlNamespace" : null
},
"name" : "ModifyImageAttribute",
"output" : null
}
"locationName" : null,
"shape" : "ModifyImageAttributeRequest",
"xmlNamespace" : null
},
"name" : "ModifyImageAttribute",
"output" : null
},
"ModifyInstanceAttribute" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Modifies the specified attribute of the specified instance. You can specify only one attribute at a time.</p> <p>To modify some attributes, the instance must be stopped. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_ChangingAttributesWhileInstanceStopped.html">Modifying Attributes of a Stopped Instance</a> in the Amazon Elastic Compute Cloud User Guide</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyInstanceAttributeRequest",
"xmlNamespace" : null
},
"name" : "ModifyInstanceAttribute",
"output" : null
},
"ModifyInstancePlacement" : {
"authorizer" : null,
"authType" : "IAM",
"deprecated" : false,
"documentation" : "<p>Set the instance affinity value for a specific stopped instance and modify the instance tenancy setting.</p> <p>Instance affinity is disabled by default. When instance affinity is <code>host</code> and it is not associated with a specific Dedicated Host, the next time it is launched it will automatically be associated with the host it lands on. This relationship will persist if the instance is stopped/started, or rebooted.</p> <p>You can modify the host ID associated with a stopped instance. If a stopped instance has a new host ID association, the instance will target that host when restarted.</p> <p>You can modify the tenancy of a stopped instance with a tenancy of <code>host</code> or <code>dedicated</code>.</p> <p>Affinity, hostID, and tenancy are not required parameters, but at least one of them must be specified in the request. Affinity and tenancy can be modified in the same request, but tenancy can only be modified on instances that are stopped.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/"
"responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifyInstancePlacementRequest",
  "xmlNamespace" : null
},
"name" : "ModifyInstancePlacement",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ModifyInstancePlacementResult"
}
}
,"ModifyNetworkInterfaceAttribute" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Modifies the specified network interface attribute. You can specify only one attribute at a time.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "ModifyNetworkInterfaceAttributeRequest",
    "xmlNamespace" : null
  },
  "name" : "ModifyNetworkInterfaceAttribute",
  "output" : null
},
"ModifyReservedInstances" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Modifies the Availability Zone, instance count, instance type, or network platform (EC2-Classic or EC2-VPC) of your Standard Reserved Instances. The Reserved Instances to be modified must be identical, except for Availability Zone, network platform, and instance type.</p> For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-modifying.html">Modifying Reserved Instances</a> in the Amazon Elastic Compute Cloud User Guide." ,
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "ModifyReservedInstancesRequest",
    "xmlNamespace" : null
  },
  "name" : "ModifyReservedInstances",
  "output" : null
},
"ModifySecurityGroupIngress" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Modifies the ingress attributes of a security group. You can specify only one attribute at a time.</p>",
  "errors" : null,
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "ModifySecurityGroupIngressRequest",
    "xmlNamespace" : null
  },
  "name" : "ModifySecurityGroupIngress",
  "output" : null
}
"method": "POST",
"requestUri": "/",
"responseCode": null
],
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ModifyReservedInstancesRequest",
  "xmlnsNamespace": null
},

"name": "ModifyReservedInstances",

"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "ModifyReservedInstancesResult"
}
},

"ModifySnapshotAttribute": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": 
  "<p>Adds or removes permission settings for the specified snapshot. You may add or remove specified AWS account IDs from a snapshot's list of create volume permissions, but you cannot do both in a single API call. If you need to both add and remove account IDs for a snapshot, you must use multiple API calls.</p>

<note>
  <p>Encrypted snapshots and snapshots with AWS Marketplace product codes cannot be made public. Snapshots encrypted with your default CMK cannot be shared with other accounts.</p>
</note>


"errors": null,

"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},

"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ModifySnapshotAttributeRequest",
  "xmlnsNamespace": null
},

"name": "ModifySnapshotAttribute",

"output": null
},

"ModifySpotFleetRequest": {
  "authorizer": null,
  "authtype": "IAM",
Modifies the specified Spot fleet request. While the Spot fleet request is being modified, it is in the `modifying` state. To scale up your Spot fleet, increase its target capacity. The Spot fleet launches the additional Spot instances according to the allocation strategy for the Spot fleet request. If the allocation strategy is `lowestPrice`, the Spot fleet launches instances using the Spot pool with the lowest price. If the allocation strategy is `diversified`, the Spot fleet distributes the instances across the Spot pools. To scale down your Spot fleet, decrease its target capacity. First, the Spot fleet cancels any open bids that exceed the new target capacity. You can request that the Spot fleet terminate Spot instances until the size of the fleet no longer exceeds the new target capacity. If the allocation strategy is `lowestPrice`, the Spot fleet terminates the instances with the highest price per unit. If the allocation strategy is `diversified`, the Spot fleet terminates instances across the Spot pools. Alternatively, you can request that the Spot fleet keep the fleet at its current size, but not replace any Spot instances that are interrupted or that you terminate manually.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifySpotFleetRequest",
  "xmlNamespace" : null
},
"name" : "ModifySpotFleetRequest",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ModifySpotFleetRequestResponse"
}
```

```
"ModifySubnetAttribute" : {
  "authorizer" : null,
  "authType" : "IAM",
  "deprecated" : false,
  "documentation" : "Modifies a subnet attribute. You can only modify one attribute at a time."
}
```

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifySubnetAttributeRequest",
```
You can modify several parameters of an existing EBS volume, including volume size, volume type, and IOPS capacity. If your EBS volume is attached to a current-generation EC2 instance type, you may be able to apply these changes without stopping the instance or detaching the volume from it. For more information about modifying an EBS volume running Linux, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html">Modifying the Size, IOPS, or Type of an EBS Volume on Linux</a>. For more information about modifying an EBS volume running Windows, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ebs-expand-volume.html">Expanding the Storage Space of an EBS Volume on Windows</a>. When you complete a resize operation on your volume, you need to extend the volume's file-system size to take advantage of the new storage capacity. For information about extending a Linux file system, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html#recognize-expanded-volume-linux">Extending a Linux File System</a>. For information about extending a Windows file system, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ebs-expand-volume.html#recognize-expanded-volume-windows">Extending a Windows File System</a>. You can use CloudWatch Events to check the status of a modification to an EBS volume. For information about CloudWatch Events, see the <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/API_DescribeVolumesModifications.html">DescribeVolumesModifications</a> API. For information about tracking status changes using either method, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html#monitoring_mods">Monitoring Volume Modifications</a>. With previous-generation volumes and instance types, resizing an EBS volume may require detaching and reattaching the volume or stopping and restarting the instance. For more information about modifying an EBS volume running Linux, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html">Modifying the Size, IOPS, or Type of an EBS Volume on Linux</a>. For more information about modifying an EBS volume running Windows, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/ebs-expand-volume.html">Modifying the Size, IOPS, or Type of an EBS Volume on Windows</a>. If you reach the maximum volume modification rate per volume limit, you will need to wait at least six hours before applying further modifications to the affected EBS volume.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {

```
By default, all I/O operations for the volume are suspended when the data on the volume is determined to be potentially inconsistent, to prevent undetectable, latent data corruption. The I/O access to the volume can be resumed by first enabling I/O access and then checking the data consistency on your volume.

You can change the default behavior to resume I/O operations. We recommend that you change this only for boot volumes or for volumes that are stateless or disposable.

The HTTP method is POST.
"name" : "ModifyVpcAttribute",
"output" : null
},
"ModifyVpcEndpoint" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Modifies attributes of a specified VPC endpoint. You can modify the policy associated with the endpoint, and you can add and remove route tables associated with the endpoint.,",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ModifyVpcEndpointRequest",
"xmlNamespace" : null
},
"name" : "ModifyVpcEndpoint",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ModifyVpcEndpointResult"
}
},
"ModifyVpcPeeringConnectionOptions" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Modifies the VPC peering connection options on one side of a VPC peering connection. You can do the following:<ul> <li>Enable/disable communication over the peering connection between an EC2-Classic instance that's linked to your VPC (using ClassicLink) and instances in the peer VPC.</li> <li>Enable/disable communication over the peering connection between instances in your VPC and an EC2-Classic instance that's linked to the peer VPC.</li> <li>Enable/disable a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</li> </ul>If the peered VPCs are in different accounts, each owner must initiate a separate request to modify the peering connection options, depending on whether their VPC was the requester or accepter for the VPC peering connection. If the peered VPCs are in the same account, you can modify the requester and accepter options in the same request. To
confirm which VPC is the accepter and requester for a VPC peering connection, use the 
<a>DescribeVpcPeeringConnections</a> command.</p>

```json
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ModifyVpcPeeringConnectionOptionsRequest",
  "xmlNamespace" : null
},
"name" : "ModifyVpcPeeringConnectionOptions",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ModifyVpcPeeringConnectionOptionsResult"
}
},

"MonitorInstances" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Enables detailed monitoring for a running instance. Otherwise, basic monitoring is enabled. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-cloudwatch.html">Monitoring Your Instances and Volumes</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> <p>To disable detailed monitoring, see .</p>

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "MonitorInstancesRequest",
  "xmlNamespace" : null
},
"name" : "MonitorInstances",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "MonitorInstancesResult"
}
```
"MoveAddressToVpc" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : " Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform. The Elastic IP address must be allocated to your account for more than 24 hours, and it must not be associated with an instance. After the Elastic IP address is moved, it is no longer available for use in the EC2-Classic platform, unless you move it back using the <a>RestoreAddressToClassic</a> request. You cannot move an Elastic IP address that was originally allocated for use in the EC2-VPC platform to the EC2-Classic platform. </p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "MoveAddressToVpcRequest",
        "xmlNamespace" : null
    },
    "name" : "MoveAddressToVpc",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "MoveAddressToVpcResult"
    }
},

"PurchaseHostReservation" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : " Purchase a reservation with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This action results in the specified reservation being purchased and charged to your account. </p>",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "PurchaseHostReservationRequest",
        "xmlNamespace" : null
    },
    "name" : "PurchaseHostReservation",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "PurchaseHostReservationResult"
    }
}
"xmlNamespace": null
},
"name": "PurchaseHostReservation",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "PurchaseHostReservationResult"
}
},
"PurchaseReservedInstancesOffering": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Purchases a Reserved Instance for use with your account. With Reserved Instances, you pay a lower hourly rate compared to On-Demand instance pricing.</p> <p>Use <a>DescribeReservedInstancesOfferings</a> to get a list of Reserved Instance offerings that match your specifications. After you've purchased a Reserved Instance, you can check for your new Reserved Instance with <a>DescribeReservedInstances</a>.</p> <p>For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts-on-demand-reserved-instances.html">Reserved Instances</a> and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-general.html">Reserved Instance Marketplace</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "PurchaseReservedInstancesOfferingRequest",
  "xmlNamespace": null
},
"name": "PurchaseReservedInstancesOffering",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "PurchaseReservedInstancesOfferingResult"
}
},
"PurchaseScheduledInstances": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Purchases one or more Scheduled Instances with the specified schedule.</p>
Scheduled Instances enable you to purchase Amazon EC2 compute capacity by the hour for a one-year term. Before you can purchase a Scheduled Instance, you must call <a>DescribeScheduledInstanceAvailability</a> to check for available schedules and obtain a purchase token. After you purchase a Scheduled Instance, you must call <a>RunScheduledInstances</a> during each scheduled time period. After you purchase a Scheduled Instance, you can't cancel, modify, or resell your purchase.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "PurchaseScheduledInstancesRequest",
  "xmlnsNamespace": null
},
"name": "PurchaseScheduledInstances",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "PurchaseScheduledInstancesResult"
}
"RebootInstances": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "Requests a reboot of one or more instances. This operation is asynchronous; it only queues a request to reboot the specified instances. The operation succeeds if the instances are valid and belong to you. Requests to reboot terminated instances are ignored. If an instance does not cleanly shut down within four minutes, Amazon EC2 performs a hard reboot. For more information about troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-console.html">Getting Console Output and Rebooting Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.

```
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "RebootInstancesRequest",
  "xmlnsNamespace": null
},
"name": "RebootInstances",
```
"output" : null 
},
"RegisterImage" : {  
  "authorizer" : null,  
  "authType" : "IAM",  
  "deprecated" : false,  
  "documentation" : "<p>Registers an AMI. When you're creating an AMI, this is the final step you must complete before you can launch an instance from the AMI. For more information about creating AMIs, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami.html">Creating Your Own AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> For Amazon EBS-backed instances, <a>CreateImage</a> creates and registers the AMI in a single request, so you don't have to register the AMI yourself. <p>You can also use <code>RegisterImage</code> to create an Amazon EBS-backed Linux AMI from a snapshot of a root device volume. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CreatingYourOwnAMIs.html">Creating Your Own AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>  

<note>
  <p>For Amazon EBS-backed instances, <a>CreateImage</a> creates and registers the AMI in a single request, so you don't have to register the AMI yourself.</p>
</note>

You can also use <code>RegisterImage</code> to create an Amazon EBS-backed Linux AMI from a snapshot of a root device volume. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/CreatingYourOwnAMIs.html">Creating Your Own AMIs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p>

<important>
  <p>Some Linux distributions, such as Red Hat Enterprise Linux (RHEL) and SUSE Linux Enterprise Server (SLES), use the EC2 <code>billingProduct</code> code associated with an AMI to verify subscription status for package updates. Creating an AMI from an EBS snapshot does not maintain this billing code, and subsequent instances launched from such an AMI will not be able to connect to package update infrastructure.</p>
</important>

Similarly, although you can create a Windows AMI from a snapshot, you can't successfully launch an instance from the AMI. To create Windows AMIs or to create AMIs for Linux operating systems that must retain AMI billing codes to work properly, see <a>CreateImage</a>. </p>

<important>
  <p>If needed, you can deregister an AMI at any time. Any modifications you make to an AMI backed by an instance store volume invalidates its registration. If you make changes to an image, deregister the previous image and register the new image.</p>
</important>

<note>
  <p>You can't register an image where a secondary (non-root) snapshot has AWS Marketplace product codes.</p>
</note>

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "RegisterImageRequest",
  "xmlNamespace" : null
},
"name" : "RegisterImage",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "RegisterImageResult"
}
"RejectVpcPeeringConnection" : {
  "authorizer" : null,
"authType": "IAM",
"deprecated": false,
"documentation": "<p>Rejects a VPC peering connection request. The VPC peering connection must be in the <code>pending-acceptance</code> state. Use the <a>DescribeVpcPeeringConnections</a> request to view your outstanding VPC peering connection requests. To delete an active VPC peering connection, or to delete a VPC peering connection request that you initiated, use <a>DeleteVpcPeeringConnection</a>.<p/>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "RejectVpcPeeringConnectionRequest",
  "xmlNamespace": null
},
"name": "RejectVpcPeeringConnection",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "RejectVpcPeeringConnectionResult"
},
"ReleaseAddress": {
  "authorizer": null,
  "authType": "IAM",
  "deprecated": false,
  "documentation": "<p>Releases the specified Elastic IP address. <p/>After releasing an Elastic IP address, it is released to the IP address pool and might be unavailable to you. Be sure to update your DNS records and any servers or devices that communicate with the address. If you attempt to release an Elastic IP address that you already released, you'll get an <code>AuthFailure</code> error if the address is already allocated to another AWS account.<p/>[EC2-Classic, default VPC] Releasing an Elastic IP address automatically disassociates it from any instance that it's associated with. To disassociate an Elastic IP address without releasing it, use <a>DisassociateAddress</a>.<p/>[Nondefault VPC] You must use <a>DisassociateAddress</a> to disassociate the Elastic IP address before you try to release it. Otherwise, Amazon EC2 returns an error (<code>InvalidIPAddress.InUse</code>).<p/>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
"shape" : "ReleaseAddressRequest",
"xmlNamespace" : null
},
"name" : "ReleaseAddress",
"output" : null
},
"ReleaseHosts" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "When you no longer want to use an On-Demand Dedicated Host it can be released. On-
Demand billing is stopped and the host goes into <code>released</code> state. The host ID of Dedicated Hosts that
have been released can no longer be specified in another request, e.g., ModifyHosts. You must stop or terminate all
instances on a host before it can be released.

When Dedicated Hosts are released, it make take some time
for them to stop counting toward your limit and you may receive capacity errors when trying to allocate new
Dedicated hosts. Try waiting a few minutes, and then try again.

Released hosts will still appear in a
<a>DescribeHosts</a> response.
".
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReleaseHostsRequest",
"xmlNamespace" : null
},
"name" : "ReleaseHosts",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ReleaseHostsResult"
}
},
"ReplaceIamInstanceProfileAssociation" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Replaces an IAM instance profile for the specified running instance. You can use this
action to change the IAM instance profile that's associated with an instance without having to disassociate the
existing IAM instance profile first.

Use <a>DescribeIamInstanceProfileAssociations</a> to get the
association ID.
".
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReplaceIamInstanceProfileAssociationRequest",
"xmlNamespace" : null
},
"name" : "ReplaceIamInstanceProfileAssociation",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ReplaceIamInstanceProfileAssociationResult"
}
}
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReplaceIamInstanceProfileAssociationRequest",
"xmlNamespace" : null
},
"name" : "ReplaceIamInstanceProfileAssociation",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ReplaceIamInstanceProfileAssociationResult"
}
},
"ReplaceNetworkAclAssociation" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "Changes which network ACL a subnet is associated with. By default when you create a subnet, it's automatically associated with the default network ACL. For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReplaceNetworkAclAssociationRequest",
"xmlNamespace" : null
},
"name" : "ReplaceNetworkAclAssociation",
"output" : {
"documentation" : null,
"locationName" : null,
"resultWrapper" : null,
"shape" : "ReplaceNetworkAclAssociationResult"
}
},
"ReplaceNetworkAclEntry" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Replaces an entry (rule) in a network ACL. For more information about network ACLs, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html">Network ACLs</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReplaceNetworkAclEntryRequest",
"xmlNamespace" : null
},
"name" : "ReplaceNetworkAclEntry",
"output" : null
},
"ReplaceRoute" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Replaces an existing route within a route table in a VPC. You must provide only one of the following: Internet gateway or virtual private gateway, NAT instance, NAT gateway, VPC peering connection, network interface, or egress-only Internet gateway.</p> <p>For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>.</p>",
"errors" : null,
"http" : {
"method" : "POST",
"requestUri" : "/",
"responseCode" : null
},
"input" : {
"documentation" : null,
"locationName" : null,
"shape" : "ReplaceRouteRequest",
"xmlNamespace" : null
},
"name" : "ReplaceRoute",
"output" : null
},
"ReplaceRouteTableAssociation" : {
"authorizer" : null,
"authtype" : "IAM",
"deprecated" : false,
"documentation" : "<p>Changes the route table associated with a given subnet in a VPC. After the operation
completes, the subnet uses the routes in the new route table it’s associated with. For more information about route tables, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Route_Tables.html">Route Tables</a> in the <i>Amazon Virtual Private Cloud User Guide</i>. You can also use ReplaceRouteTableAssociation to change which table is the main route table in the VPC. You just specify the main route table's association ID and the route table to be the new main route table.

```
"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ReplaceRouteTableAssociationRequest",
  "xmlNamespace" : null
},
"name" : "ReplaceRouteTableAssociation",
"output" : {
  "documentation" : null,
  "locationName" : null,
  "resultWrapper" : null,
  "shape" : "ReplaceRouteTableAssociationResult"
},
"ReportInstanceStatus" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "Submits feedback about the status of an instance. The instance must be in the <code>running</code> state. If your experience with the instance differs from the instance status returned by <a>DescribeInstanceStatus</a>, use <a>ReportInstanceStatus</a> to report your experience with the instance. Amazon EC2 collects this information to improve the accuracy of status checks.

Use of this action does not change the value returned by <a>DescribeInstanceStatus</a>."
```

"errors" : null,
"http" : {
  "method" : "POST",
  "requestUri" : "/",
  "responseCode" : null
},
"input" : {
  "documentation" : null,
  "locationName" : null,
  "shape" : "ReportInstanceStatusRequest",
  "xmlNamespace" : null
},
"name" : "ReportInstanceStatus",
"output" : null
"RequestSpotFleet" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a Spot fleet request.</p> <p>You can submit a single request that includes multiple launch specifications that vary by instance type, AMI, Availability Zone, or subnet.</p> <p>By default, the Spot fleet requests Spot instances in the Spot pool where the price per unit is the lowest. Each launch specification can include its own instance weighting that reflects the value of the instance type to your application workload.</p> <p>Alternatively, you can specify that the Spot fleet distribute the target capacity across the Spot pools included in its launch specifications. By ensuring that the Spot instances in your Spot fleet are in different Spot pools, you can improve the availability of your fleet.</p>
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "RequestSpotFleetRequest",
        "xmlNamespace" : null
    },
    "name" : "RequestSpotFleet",
    "output" : {
        "documentation" : null,
        "locationName" : null,
        "resultWrapper" : null,
        "shape" : "RequestSpotFleetResponse"
    }
},
"RequestSpotInstances" : {
    "authorizer" : null,
    "authType" : "IAM",
    "deprecated" : false,
    "documentation" : "<p>Creates a Spot instance request. Spot instances are instances that Amazon EC2 launches when the bid price that you specify exceeds the current Spot price. Amazon EC2 periodically sets the Spot price based on available Spot Instance capacity and current Spot instance requests. For more information, see </p>
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    }
"input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "RequestSpotInstancesRequest",
    "xmlNamespace" : null
},
"name" : "RequestSpotInstances",
"output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "RequestSpotInstancesResult"
}
},
"ResetImageAttribute" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Resets an attribute of an AMI to its default value. The productCodes attribute can't be reset.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "ResetImageAttributeRequest",
        "xmlNamespace" : null
    },
    "name" : "ResetImageAttribute",
    "output" : null
},
"ResetInstanceAttribute" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Resets an attribute of an instance to its default value. To reset the kernel or ramdisk, the instance must be in a stopped state. To reset the sourceDestCheck, the instance can be either running or stopped.",
    "errors" : null,
    "http" : {
        "method" : "POST",
        "requestUri" : "/",
        "responseCode" : null
    },
    "input" : {
        "documentation" : null,
        "locationName" : null,
        "shape" : "ResetInstanceAttributeRequest",
        "xmlNamespace" : null
    },
    "name" : "ResetInstanceAttribute",
    "output" : null
}
"http": {  
"method": "POST",  
"requestUri": "/",  
"responseCode": null
},
"input": {  
"documentation": null,  
"locationName": null,  
"shape": "ResetInstanceAttributeRequest",  
"xmlNamespace": null
},
"name": "ResetInstanceAttribute",
"output": null
},
"ResetNetworkInterfaceAttribute": {  
"authorizer": null,  
"authtype": "IAM",  
"deprecated": false,  
"documentation": "&lt;p&gt;Resets a network interface attribute. You can specify only one attribute at a time.&lt;/p&gt;",  
"errors": null,  
"http": {  
"method": "POST",  
"requestUri": "/",  
"responseCode": null
},
"input": {  
"documentation": null,  
"locationName": null,  
"shape": "ResetNetworkInterfaceAttributeRequest",  
"xmlNamespace": null
},
"name": "ResetNetworkInterfaceAttribute",
"output": null
},
"ResetSnapshotAttribute": {  
"authorizer": null,  
"authtype": "IAM",  
"deprecated": false,  
"documentation": "&lt;p&gt;Resets permission settings for the specified snapshot.&lt;/p&gt; &lt;p&gt;For more information on modifying snapshot permissions, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-modifying-snapshot-permissions.html"&gt;Sharing Snapshots&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",  
"errors": null,  
"http": {  
"method": "POST",  
"requestUri": "/",  
"responseCode": null
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "ResetSnapshotAttributeRequest",
  "xmlNamespace": null
},
"name": "ResetSnapshotAttribute",
"output": null
},
"RestoreAddressToClassic": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Restores an Elastic IP address that was previously moved to the EC2-VPC platform back to the EC2-Classic platform. You cannot move an Elastic IP address that was originally allocated for use in EC2-VPC. The Elastic IP address must not be associated with an instance or network interface.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  },
  "input": {
    "documentation": null,
    "locationName": null,
    "shape": "RestoreAddressToClassicRequest",
    "xmlNamespace": null
  },
  "name": "RestoreAddressToClassic",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "RestoreAddressToClassicResult"
  }
},
"RevokeSecurityGroupEgress": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>[EC2-VPC only] Removes one or more egress rules from a security group for EC2-VPC. This action doesn't apply to security groups for use in EC2-Classic. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be revoked.</p> <p>Each rule consists of the protocol and the IPv4 or IPv6 CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code.</p> <p>Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.</p>",
  "errors": null,
"http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
    },
  
  "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "RevokeSecurityGroupEgressRequest",
      "xmlNamespace" : null
    },
  
  "name" : "RevokeSecurityGroupEgress",
  "output" : null
},

"RevokeSecurityGroupIngress" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Removes one or more ingress rules from a security group. The values that you specify in the revoke request (for example, ports) must match the existing rule's values for the rule to be removed. Each rule consists of the protocol and the CIDR range or source security group. For the TCP and UDP protocols, you must also specify the destination port or range of ports. For the ICMP protocol, you must also specify the ICMP type and code. Rule changes are propagated to instances within the security group as quickly as possible. However, a small delay might occur.",
    "errors" : null,
    "http" : {
      "method" : "POST",
      "requestUri" : "/",
      "responseCode" : null
    },
  
  "input" : {
      "documentation" : null,
      "locationName" : null,
      "shape" : "RevokeSecurityGroupIngressRequest",
      "xmlNamespace" : null
    },
  
  "name" : "RevokeSecurityGroupIngress",
  "output" : null
},

"RunInstances" : {
    "authorizer" : null,
    "authtype" : "IAM",
    "deprecated" : false,
    "documentation" : "Launches the specified number of instances using an AMI for which you have permissions. You can specify a number of options, or leave the default options. The following rules apply:
   
   - [EC2-VPC] If you don't specify a subnet ID, we choose a default subnet from your default VPC for you. If you don't have a default VPC, you must specify a subnet ID in the request.
   - [EC2-Classic] If you don't specify an Availability Zone, we choose one for you.
   - Some instance types must
be launched into a VPC. If you do not have a default VPC, or if you do not specify a subnet ID, the request fails. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-vpc.html#vpc-only-instance-types">Instance Types Available Only in a VPC</a>. [EC2-VPC] All instances have a network interface with a primary private IPv4 address. If you don't specify this address, we choose one from the IPv4 range of your subnet. Not all instance types support IPv6 addresses. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If you don't specify a security group ID, we use the default security group. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-network-security.html">Security Groups</a>. If any of the AMIs have a product code attached for which the user has not subscribed, the request fails. To ensure faster instance launches, break up large requests into smaller batches. For example, create 5 separate launch requests for 100 instances each instead of 1 launch request for 500 instances. An instance is ready for you to use when it's in the <code>running</code> state. You can check the state of your instance using <a href="/ DescribeInstances</a>. After launch, you can apply tags to your running instance (requires a resource ID). For more information, see <a href="/ CreateTags</a> and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_Tags.html">Tagging Your Amazon EC2 Resources</a>. Linux instances have access to the public key of the key pair at boot. You can use this key to provide secure access to the instance. Amazon EC2 public images use this feature to provide secure access without passwords. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-key-pairs.html">Key Pairs</a> in the Amazon Elastic Compute Cloud User Guide. For troubleshooting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Using_InstanceStraightToTerminated.html">What To Do If An Instance Immediately Terminates</a>, and <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesConnecting.html">Troubleshooting Connecting to Your Instance</a> in the Amazon Elastic Compute Cloud User Guide.
"documentation": "<p>Launches the specified Scheduled Instances.</p> <p>Before you can launch a Scheduled Instance, you must purchase it and obtain an identifier using <a>PurchaseScheduledInstances</a>.</p> <p>You must launch a Scheduled Instance during its scheduled time period. You can’t stop or reboot a Scheduled Instance, but you can terminate it as needed. If you terminate a Scheduled Instance before the current scheduled time period ends, you can launch it again after a few minutes. For more information, see <a>Scheduled Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "RunScheduledInstancesRequest",
  "xmlNamespace": null
},
"name": "RunScheduledInstances",
"output": {
  "documentation": null,
  "locationName": null,
  "resultWrapper": null,
  "shape": "RunScheduledInstancesResult"
},
"StartInstances": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Starts an Amazon EBS-backed AMI that you've previously stopped.</p> <p>Instances that use Amazon EBS volumes as their root devices can be quickly stopped and started. When an instance is stopped, the compute resources are released and you are not billed for hourly instance usage. However, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. You can restart your instance at any time. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p> <p>For more information, see <a>Stopping Instances</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "errors": null,
  "http": {
    "method": "POST",
    "requestUri": "/",
    "responseCode": null
  }
}
"input": {
  "documentation": null,
  "locationName": null,
  "shape": "StartInstancesRequest",
  "xmlNamespace": null
},
  "name": "StopInstances",
  "output": {
    "documentation": null,
    "locationName": null,
    "resultWrapper": null,
    "shape": "StopInstancesResult"
  }
},

"StopInstances": {
  "authorizer": null,
  "authtype": "IAM",
  "deprecated": false,
  "documentation": "<p>Stops an Amazon EBS-backed instance.</p> <p>We don't charge hourly usage for a stopped instance, or data transfer fees; however, your root partition Amazon EBS volume remains, continues to persist your data, and you are charged for Amazon EBS volume usage. Each time you transition an instance from stopped to started, Amazon EC2 charges a full instance hour, even if transitions happen multiple times within a single hour.</p> <p>You can't start or stop Spot instances, and you can't stop instance store-backed instances.</p> <p>When you stop an instance, we shut it down. You can restart your instance at any time. Before stopping an instance, make sure it is in a state from which it can be restarted. Stopping an instance does not preserve data stored in RAM.</p> <p>Stopping an instance is different to rebooting or terminating it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, the root device and any other devices attached during the instance launch are automatically deleted. For more information about the differences between rebooting, stopping, and terminating instances, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html">Instance Lifecycle</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>. </p> <p>When you stop an instance, we attempt to shut it down forcibly after a short while. If your instance appears stuck in the stopping state after a period of time, there may be an issue with the underlying host computer. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/TroubleshootingInstancesStopping.html">Troubleshooting Stopping Your Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>"},

"errors": null,
"http": {
  "method": "POST",
  "requestUri": "/",
  "responseCode": null
},

"input": {
  "documentation": null,
  "locationName": null,
  "shape": "StopInstancesRequest",
  "xmlNamespace": null
},

"name": "StopInstances",
"TerminateInstances" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : "<p>Shuts down one or more instances. This operation is idempotent; if you terminate an instance more than once, each call succeeds. <br/>If you specify multiple instances and the request fails (for example, because of a single incorrect instance ID), none of the instances are terminated.</p> <p>Terminated instances remain visible after termination (for approximately one hour).</p> <p>By default, Amazon EC2 deletes all EBS volumes that were attached when the instance launched. Volumes attached after instance launch continue running.</p> <p>You can stop, start, and terminate EBS-backed instances. You can only terminate instance store-backed instances. What happens to an instance differs if you stop it or terminate it. For example, when you stop an instance, the root device and any other devices attached to the instance persist. When you terminate an instance, any attached EBS volumes with the block device mapping parameter set to true are automatically deleted. For more information about the differences between stopping and terminating instances, see Troubleshooting Terminating Your Instance in the Amazon Elastic Compute Cloud User Guide.</p> <p>For more information about troubleshooting, see Troubleshooting Terminating Your Instance in the Amazon Elastic Compute Cloud User Guide.</p> "
  "http" : {
    "method" : "POST",
    "requestUri" : "/",
    "responseCode" : null
  },
  "input" : {
    "documentation" : null,
    "locationName" : null,
    "shape" : "TerminateInstancesRequest",
    "xmlNamespace" : null
  },
  "name" : "TerminateInstances",
  "output" : {
    "documentation" : null,
    "locationName" : null,
    "resultWrapper" : null,
    "shape" : "TerminateInstancesResult"
  }
},
"UnassignIpv6Addresses" : {
  "authorizer" : null,
  "authtype" : "IAM",
  "deprecated" : false,
  "documentation" : ""}
"authorizer": null,
"authtype": "IAM",
"deprecated": false,
"documentation": "<p>Unassigns one or more IPv6 addresses from a network interface.</p>",
"errors": null,
"http": {
   "method": "POST",
   "requestUri": "/",
   "responseCode": null
},
"input": {
   "documentation": null,
   "locationName": null,
   "shape": "UnassignIpv6AddressesRequest",
   "xmlNamespace": null
},
"name": "UnassignIpv6Addresses",
"output": {
   "documentation": null,
   "locationName": null,
   "resultWrapper": null,
   "shape": "UnassignIpv6AddressesResult"
}
},
"UnassignPrivateIpAddresses": {
   "authorizer": null,
   "authtype": "IAM",
   "deprecated": false,
   "documentation": "<p>Unassigns one or more secondary private IP addresses from a network interface.</p>",
   "errors": null,
   "http": {
   "method": "POST",
   "requestUri": "/",
   "responseCode": null
},
"input": {
   "documentation": null,
   "locationName": null,
   "shape": "UnassignPrivateIpAddressesRequest",
   "xmlNamespace": null
},
"name": "UnassignPrivateIpAddresses",
"output": null
},
"UnmonitorInstances": {
   "authorizer": null,
   "authtype": "IAM",
   "deprecated": false,
   "documentation": "<p>Disables detailed monitoring for a running instance. For more information, see <a
Monitor Your Instances and Volumes in the Amazon Elastic Compute Cloud User Guide.
"xmlNamespace": null
},
"TargetConfigurations": {
  "deprecated": false,
  "documentation": "The configurations of the Convertible Reserved Instance offerings that you are purchasing in this exchange.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "TargetConfiguration",
  "payload": false,
  "queryName": null,
  "shape": "TargetConfigurationRequestSet",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "ReservedInstanceIds" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AcceptReservedInstancesExchangeQuoteResult": {
  "deprecated": false,
  "documentation": "The result of the exchange and whether it was <code>successful</code>.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ExchangeId": {
      "deprecated": false,
      "documentation": "The ID of the successful exchange.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "exchangeId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming": false,
"xmlNamespace": null
}
",
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AcceptVpcPeeringConnectionRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for AcceptVpcPeeringConnection.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpcPeeringConnectionId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC peering connection.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcPeeringConnectionId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
",
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AcceptVpcPeeringConnectionResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of AcceptVpcPeeringConnection.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VpcPeeringConnection" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the VPC peering connection.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpcPeeringConnection",
      "payload" : false,
      "queryName" : null,
      "shape" : "VpcPeeringConnection",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"AccountAttribute" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an account attribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AttributeName" : 

"deprecated" : false,
"documentation" : "<p>The name of the account attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"AttributeValues" : {
"deprecated" : false,
"documentation" : "<p>One or more values for the account attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeValueSet",
"payload" : false,
"queryName" : null,
"shape" : "AccountAttributeValueList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AccountAttributeList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "AccountAttribute",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AccountAttributeName" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "supported-platforms", "default-vpc" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AccountAttributeNameStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "attributeName",
  "payload": false,
  "queryName": null,
  "shape": "AccountAttributeName",
  "streaming": false,
  "xmlns": false,
  "xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"AccountAttributeValue": {
  "deprecated": false,
  "documentation": "<p>Describes a value of an account attribute.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AttributeValue": {
      "deprecated": false,
      "documentation": "<p>The value of the attribute.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "attributeValue",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "xmlNamespace": null
    }
  }
}
"streaming" : false,
"xmlNamespace" : null
}
]
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"AccountAttributeValueList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "AccountAttributeValue",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ActiveInstance" : {
"deprecated" : false,
Describes a running instance in a Spot fleet.

The health status of the instance. If the status of both the instance status check and the system status check is `impaired`, the health status of the instance is `unhealthy`. Otherwise, the health status is `healthy`.
"streaming": false,
"xmlNamespace": null
},
"SpotInstanceRequestId": {
  "deprecated": false,
  "documentation": "<p>The ID of the Spot instance request.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "spotInstanceRequestId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
],
"Min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "ActiveInstance",
    "streaming": false,
    "xmlNamespace": null
  }
}
"idempotencyToken": false,
"location": null,
"locationName": "allocationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"AssociationId": {
"deprecated": false,
"documentation": "<p>The ID representing the association of the address with an instance in a VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "associationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"Domain": {
"deprecated": false,
"documentation": "<p>Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "domain",
"payload": false,
"queryName": null,
"shape": "DomainType",
"streaming": false,
"xmlNamespace": null
},

"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the instance that the address is associated with (if any).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkInterfaceOwnerId": {
  "deprecated": false,
  "documentation": "<p>The ID of the AWS account that owns the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceOwnerId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PrivateIpAddress": {
  "deprecated": false,
  "documentation": "<p>The private IP address associated with the Elastic IP address.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "privateIpAddress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PublicIp": {
  "deprecated": false,
  "documentation": "<p>The Elastic IP address.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "publicIp",
  "payload": false,
"Affinity" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : [ "default", "host" ],
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : [ ],
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "string",
    "value" : null,
    "wrapper" : false
}

"AllocateAddressRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AllocateAddress.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Domain" : {
            "deprecated" : false,
            "documentation" : "Set to <code>vpc</code> to allocate the address for use with instances in a VPC.
Default: The address is for use with instances in EC2-Classic.
"</p>
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryString" : null,
            "shape" : "DomainType",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}

"AllocateAddressResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of AllocateAddress.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AllocationId": {
      "deprecated": false,
      "documentation": "[EC2-VPC] The ID that AWS assigns to represent the allocation of the Elastic IP address for use with instances in a VPC.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "allocationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Domain": {
      "deprecated": false,
      "documentation": "Indicates whether this Elastic IP address is for use with instances in EC2-Classic (<code>standard</code>) or instances in a VPC (<code>vpc</code>).",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "domain",
      "payload": false,
      "queryName": null,
      "shape": "DomainType",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"PublicIp" : {
  "deprecated" : false,
  "documentation" : "<p>The Elastic IP address.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "publicIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"AllocateHostsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AllocateHosts.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AutoPlacement" : {
      "deprecated" : false,
      "documentation" : "<p>This is enabled by default. This property allows instances to be automatically placed onto available Dedicated Hosts, when you are launching instances without specifying a host ID.</p> Default: Enabled</p>"",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "autoPlacement",
      "payload" : false,
      "queryName" : null,
      "shape" : "AutoPlacement",
  }
}
"streaming" : false,
"xmlNamespace" : null
},
"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the Dedicated Hosts.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "AvailabilityZone",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ClientToken" : {
  "deprecated" : false,
  "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i></p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "clientToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>Specify the instance type that you want your Dedicated Hosts to be configured for. When you specify the instance type, that is the only instance type that you can launch onto that host.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Quantity" : {
  "deprecated" : false,
"documentation" : "The number of Dedicated Hosts you want to allocate to your account with these parameters."

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "quantity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
]
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceType", "Quantity", "AvailabilityZone" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"AllocateHostsResult" : {
"deprecated" : false,
"documentation" : "Contains the output of AllocateHosts."

"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"HostIds" : {
"deprecated" : false,
"documentation" : "The ID of the allocated Dedicated Host. This is used when you want to launch an instance onto a specific host."

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostIdSet",
"payload" : false,
"queryName" : null,
"shape" : "ResponseHostIdList",
"streaming" : false,
"xmlNamespace" : null
}
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AllocationIdList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "AllocationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AllocationState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "available", "under-assessment", "permanent-failure", "released", "released-permanent-failure" ],
"error" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AssignIpv6AddressesRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6AddressCount" : {
"deprecated" : false,
"documentation" : "The number of IPv6 addresses to assign to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6AddressCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6Addresses" : {
"deprecated" : false,
"documentation" : "One or more specific IPv6 addresses to be assigned to the network interface. You can't use this option if you're specifying a number of IPv6 addresses."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6Addresses",
"payload" : false,
"queryName" : null,
"shape" : "Ipv6AddressList",}
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "NetworkInterfaceId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AssignIpv6AddressesResult": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssignedIpv6Addresses": {
      "deprecated": false,
      "documentation": "<p>The IPv6 addresses assigned to the network interface.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "assignedIpv6Addresses",
      "payload": false,
      "queryName": null,
      "shape": "Ipv6AddressList",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming" : false,
"xmlnsNamespace" : null
},
"NetworkInterfaceId" : {
 "deprecated" : false,
 "documentation" : "<p>The ID of the network interface.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "networkInterfaceId",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssignPrivateIpAddressesRequest" : {
 "deprecated" : false,
 "documentation" : "<p>Contains the parameters for AssignPrivateIpAddresses.</p>",
 "enum" : null,
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : null,
 "members" : {
 "AllowReassignment" : {
 "deprecated" : false,
 "documentation" : "<p>Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "allowReassignment",
 "payload" : false,
 "queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkInterfaceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddresses" : {
  "deprecated" : false,
  "documentation" : "<p>One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can't specify this parameter when also specifying a number of secondary IP addresses.</p>
<p>If you don't specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "PrivateIpAddressStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
  "deprecated" : false,
  "documentation" : "<p>The number of secondary IP addresses to assign to the network interface. You can't specify this parameter when also specifying private IP addresses.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "secondaryPrivateIpAddressCount",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
}.
"AssociateAddressRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for AssociateAddress.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "AllocationId" : {
            "deprecated" : false,
            "documentation" : "<p>[EC2-VPC] The allocation ID. This is required for EC2-VPC.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "AllowReassociation" : {
            "deprecated" : false,
            "documentation" : "<p>[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassigned with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassignment is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "allowReassociation",
            "payload" : false,
            "queryName" : null,
            "shape" : "Boolean",
        }
    }
}
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the instance. This is required for EC2-Classic. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PrivateIpAddress": {
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "privateIpAddress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PublicIp": {
"deprecated" : false,
"documentation" : "<p>The Elastic IP address. This is required for EC2-Classic.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"AssociateAddressResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of AssociateAddress.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID that represents the association of the Elastic IP address with an
instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
"AssociateDhcpOptionsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AssociateDhcpOptions.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DhcpOptionsId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the DHCP options set, or <code>default</code> to associate no DHCP options with the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
  }
}
"required" : [ "DhcpOptionsId", "VpcId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}

"AssociateIamInstanceProfileRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "IamInstanceProfile" : {
      "deprecated" : false,
      "documentation" : "The IAM instance profile.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "IamInstanceProfileSpecification",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "The ID of the instance.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"documentation" : "<p>Contains the parameters for AssociateRouteTable.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"RouteTableId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "RouteTableId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateRouteTableResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of AssociateRouteTable.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The route table association ID (needed to disassociate the route table).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateSubnetCidrBlockRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"I Pv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of your subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "Ipv6CidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AssociateSubnetCidrBlockResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6CidrBlockAssociation" : {
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"flattened" : false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlockAssociation",
"payload": false,
"queryName": null,
"shape": "SubnetIpv6CidrBlockAssociation",
"streaming": false,
"xmlNamespace": null
},
"SubnetId": {
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AssociateVpcCidrBlockRequest": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AmazonProvidedIpv6CidrBlock": {
"deprecated": false,
"documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlockAssociation",
"payload": false,
"queryName": null,
"shape": "SubnetIpv6CidrBlockAssociation",
"streaming": false,
"xmlNamespace": null
}
},
"SubnetId": {
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AssociateVpcCidrBlockRequest": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AmazonProvidedIpv6CidrBlock": {
"deprecated": false,
"documentation": "<p>Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlockAssociation",
"payload": false,
"queryName": null,
"shape": "SubnetIpv6CidrBlockAssociation",
"streaming": false,
"xmlNamespace": null
}
},
"SubnetId": {
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
You cannot specify the range of IPv6 addresses, or the size of the CIDR block.
Information about the IPv6 CIDR block association.

The ID of the VPC.

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The ID of the VPC.
"idempotencyToken": false,
"location": null,
"locationName": "AssociationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"AttachClassicLinkVpcRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for AttachClassicLinkVpc.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Groups": {
      "deprecated": false,
      "documentation": "<p>The ID of one or more of the VPC's security groups. You cannot specify security
groups from a different VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "SecurityGroupId",
      "payload": false,
      "queryName": null,
      "shape": "GroupIdStringList",
      "streaming": false,
      "xmlNamespace": null
    },
    "InstanceId": {
      "deprecated": false,
      "documentation": "<p>The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "AssociationId",
      "payload": false,
      "queryName": null,
      "shape": "AssociationId",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
],
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of a ClassicLink-enabled VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "InstanceId", "VpcId", "Groups" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"AttachClassicLinkVpcResult": {
"deprecated": false,
"documentation": "<p>Contains the output of AttachClassicLinkVpc.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Return": {
"deprecated": false,
"documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an
error.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "return",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
}
].
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"AttachInternetGatewayRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AttachInternetGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InternetGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
).
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InternetGatewayId", "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"AttachNetworkInterfaceRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AttachNetworkInterface.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"DeviceIndex" : {
"deprecated" : false,
"documentation" : "<p>The index of the device for the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deviceIndex",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation": "<p>The ID of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
},
"NetworkInterfaceId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "NetworkInterfaceId", "InstanceId", "DeviceIndex" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AttachNetworkInterfaceResult": {
"deprecated": false,
"documentation": "<p>Contains the output of AttachNetworkInterface.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AttachmentId": {
"deprecated": false,
"documentation" : "<p>The ID of the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"AttachVolumeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for AttachVolume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Device" : {
"deprecated" : false,
"documentation" : "<p>The device name to expose to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the EBS volume. The volume and instance must be within the same Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId", "InstanceId", "Device" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AttachVolumeResult" : {
"deprecated" : false,
"documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attachment" : {
  "deprecated" : false,
  "documentation" : "<p>Describes volume attachment details.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeAttachment",
  "streaming" : false,
  "xmlNamespace" : null
},
"AttachVpnGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AttachVpnGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"VpnGatewayId": { 
  "deprecated": false, 
  "documentation": "<p>The ID of the virtual private gateway.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null 
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpnGatewayId", "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AttachVpnGatewayResult": { 
  "deprecated": false, 
  "documentation": "<p>Contains the output of AttachVpnGateway.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "VpcAttachment": { 
      "deprecated": false, 
      "documentation": "<p>Information about the attachment.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "attachment",
      "payload": false,
      "queryName": null,
      "shape": "VpcAttachment",
      "streaming": false,
      "xmlNamespace": null 
    } 
  }
},
"AttachmentStatus" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "attaching", "attached", "detaching", "detached" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"AttributeBooleanValue" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a value for a resource attribute that is a Boolean value.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { 
    "Value" : {
      "deprecated" : false,
      "documentation" : "<p>The attribute value. The valid values are <code>true</code> or <code>false</code>.</p>",
      "flattened" : false,
      "required" : null,
      "streaming" : false,
      "type" : "structure",
      "value" : null,
      "wrapper" : false
    }
  },
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
"idempotencyToken" : false,
"location" : null,
"locationName" : "value",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
]
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AttributeValue" : {
"deprecated" : false,
"documentation" : "<p>Describes a value for a resource attribute that is a String.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Value" : {
"deprecated" : false,
"documentation" : "<p>The attribute value. Note that the value is case-sensitive.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "value",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},

"AuthorizeSecurityGroupEgressRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for AuthorizeSecurityGroupEgress.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CidrIp" : {
      "deprecated" : false,
      "documentation" : "The CIDR IPv4 address range. We recommend that you specify the CIDR range in a set of IP permissions instead." ,
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "cidrIp",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "FromPort" : {
      "deprecated" : false,
      "documentation" : "The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead." ,
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "fromPort",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "GroupId" : {
      "deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"IpPermissions" : {
"deprecated" : false,
"documentation" : "<p>A set of IP permissions. You can't specify a destination security group and a CIDR IP address range.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipPermissions",
"payload" : false,
"queryName" : null,
"shape" : "IpPermissionList",
"streaming" : false,
"xmlNamespace" : null
},
"IpProtocol" : {
"deprecated" : false,
"documentation" : "<p>The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipProtocol",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceSecurityGroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "sourceSecurityGroupName",
"payload" : false,
"SourceSecurityGroupOwnerId" : {
  "deprecated" : false,
  "documentation" : "The AWS account number for a destination security group. To authorize outbound access to a destination security group, we recommend that you use a set of IP permissions instead.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceSecurityGroupOwnerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ToPort" : {
  "deprecated" : false,
  "documentation" : "The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "toPort",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AuthorizeSecurityGroupIngressRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for AuthorizeSecurityGroupIngress.",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CidrIp" : {
    "deprecated" : false,
    "documentation" : "<p>The CIDR IPv4 address range. You can't specify this parameter when specifying a source security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "FromPort" : {
    "deprecated" : false,
    "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 type number. For the ICMP/ICMPv6 type number, use &lt;code&gt;-1 &lt;/code&gt; to specify all types.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"GroupId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"GroupId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the security group. Required for a nondefault VPC.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"GroupName" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;[EC2-Class, default VPC] The name of the security group.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"IpPermissions" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;A set of IP permissions. Can be used to specify multiple rules in a single
colormand.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "IpPermissionList",
    "streaming" : false,
    "xmlNamespace" : null
},
"IpProtocol" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The IP protocol name (&lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;)
or number (see &lt;a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml"&gt;Protocol
Numbers&lt;/a&gt;). (VPC only) Use &lt;code&gt;-1&lt;/code&gt; to specify all protocols. If you specify &lt;code&gt;-1&lt;/code&gt;, or a
protocol number other than &lt;code&gt;tcp&lt;/code&gt;, &lt;code&gt;udp&lt;/code&gt;, &lt;code&gt;icmp&lt;/code&gt;, or &lt;code&gt;58&lt;/code&gt;
(ICMPv6), traffic on all ports is allowed, regardless of any ports you specify. For &lt;code&gt;tcp&lt;/code&gt;,
&lt;code&gt;udp&lt;/code&gt;, and &lt;code&gt;icmp&lt;/code&gt;, you must specify a port range. For protocol &lt;code&gt;58&lt;/code&gt;
(ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"SourceSecurityGroupName" : {
    "deprecated" : false,
"documentation" : "<p>[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.</p>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"SourceSecurityGroupOwnerId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-Classic] The AWS account number for the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.</p>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"ToPort" : {
"deprecated" : false,
"documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP/ICMPv6 code number. For the ICMP/ICMPv6 code number, use <code>-1</code> to specify all codes.</p>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
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},
"min" : 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"AutoPlacement": {
"deprecated": false,
"documentation": null,
"enum": [ "on", "off" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>Describes an Availability Zone.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"Messages": [ {
"deprecated": false,
"documentation": "<p>Any messages about the Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "messageSet",} ]}
"payload" : false,
"queryName" : null,
"shape" : "AvailabilityZoneMessageList",
"streaming" : false,
"xmlNamespace" : null
},
"RegionName" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the region.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "regionName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The state of the Availability Zone.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "zoneState",
  "payload" : false,
  "queryName" : null,
  "shape" : "AvailabilityZoneState",
  "streaming" : false,
  "xmlNamespace" : null
},
"ZoneName" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the Availability Zone.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "zoneName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"AvailabilityZoneList" : [ 
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "AvailabilityZone",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"AvailabilityZoneMessage" : { 
"deprecated" : false,
"documentation" : "Describes a message about an Availability Zone.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Message" : {
        "deprecated" : false,
        "documentation" : "The message about the Availability Zone."
    },
    "AvailabilityZoneMessageList" : {
        "member" : {
            "deprecated" : false,
            "documentation" : null
        }
    }
}
"xmlNamespace" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"AvailabilityZoneState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "available", "information", "impaired", "unavailable" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"AvailableCapacity" : {
"deprecated" : false,
"documentation" : "<p>The capacity information for instances launched onto the Dedicated Host.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"AvailableInstanceCapacity" : {
"deprecated" : false,
"documentation" : "<p>The total number of instances that the Dedicated Host supports.</p>"}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availableInstanceCapacity",
"payload": false,
"queryName": null,
"shape": "AvailableInstanceCapacityList",
"streaming": false,
"xmlNamespace": null
},
"AvailableVCpus": {
"deprecated": false,
"documentation": "<p>The number of vCPUs available on the Dedicated Host.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availableVCpus",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}

"AvailableInstanceCapacityList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "InstanceCapacity",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"BatchState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "submitted", "active", "cancelled", "failed", "cancelled_running", "cancelled_terminating",
"modifying" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"Blob" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"BlockDeviceMapping" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a block device mapping.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DeviceName" : {
      "deprecated" : false,
      "documentation" : "<p>The device name exposed to the instance (for example, &lt;code&gt;/dev/sdh&lt;/code&gt; or &lt;code&gt;xvdh&lt;/code&gt;).</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "deviceName",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Ebs" : {
      "deprecated" : false,
      "documentation" : "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ebs",
      "payload" : false,
      "queryName" : null,
      "shape" : "EbsBlockDevice",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "NoDevice" : {
      "deprecated" : false,
      "documentation" : "<p>Suppresses the specified device included in the block device mapping of the AMI.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "noDevice",
      "members" : {
      }}}}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"VirtualName" : {
"deprecated" : false,
"documentation" : "<p>The virtual device name (<code>ephemeral0</code> or <code>ephemeral1</code>). Instance store volumes are numbered starting from 0. An instance type with 2 available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.</p> Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"BlockDeviceMappingList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMapping",
"streaming": false,
"xmlnsNamespace": null
},
"members": [
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"BlockDeviceMappingRequestList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "BlockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMapping",
"streaming": false,
"xmlnsNamespace": null
},
"members": [
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Boolean" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "boolean",
  "value" : null,
  "wrapper" : false
},
"BundleIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "BundleId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"BundleInstanceRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for BundleInstance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance to bundle.</p> <p>Type: String</p> <p>Default: None</p> <p>Required: Yes</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "Storage" : {
      "deprecated" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null
    }
  }
}
"shape" : "Storage",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId", "Storage" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"BundleInstanceResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of BundleInstance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"BundleTask" : {
"deprecated" : false,
"documentation" : "<p>Information about the bundle task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bundleInstanceTask",
"payload" : false,
"queryString" : null,
"shape" : "BundleTask",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"BundleTask": {
  "deprecated": false,
  "documentation": "<p>Describes a bundle task.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "BundleId": {
      "deprecated": false,
      "documentation": "<p>The ID of the bundle task.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "bundleId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "BundleTaskError": {
      "deprecated": false,
      "documentation": "<p>If the task fails, a description of the error.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "error",
      "payload": false,
      "queryName": null,
      "shape": "BundleTaskError",
      "streaming": false,
      "xmlNamespace": null
    },
    "InstanceId": {
      "deprecated": false,
      "documentation": "<p>The ID of the instance associated with this bundle task.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "instanceId",
      "payload": false,
      "queryName": null
    }
  }
},
"BundleTaskError": {
  "deprecated": false,
  "documentation": "<p>If the task fails, a description of the error.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "error",
  "payload": false,
  "queryName": null,
  "shape": "BundleTaskError",
  "streaming": false,
  "xmlNamespace": null
},
"InstanceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the instance associated with this bundle task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceId",
  "payload": false,
  "queryName": null
}
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Progress": {
  "deprecated": false,
  "documentation": "The level of task completion, as a percent (for example, 20%).",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "progress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"StartTime": {
  "deprecated": false,
  "documentation": "The time this task started.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "startTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"State": {
  "deprecated": false,
  "documentation": "The state of the task.
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "BundleTaskState",
  "streaming": false,
  "xmlNamespace": null
},
"Storage": {
  "deprecated": false,
  "documentation": "The Amazon S3 storage locations.
  "flattened": false,
  "idempotencyToken": false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Message" : {
"deprecated" : false,
"documentation" : "<p>The error message.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "message",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"BundleTaskList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"message" : null,
"payload" : null,
"streaming" : false,
"value" : null
}
}
"payload" : false,
"queryName" : null,
"shape" : "BundleTask",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"BundleTaskState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "pending", "waiting-for-shutdown", "bundling", "storing", "cancelling", "complete", "failed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"CancelBatchErrorCode" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "fleetRequestIdDoesNotExist", "fleetRequestIdMalformed", "fleetRequestNotInCancellableState",
"unexpectedError" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"CancelBundleTaskRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelBundleTask.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "BundleId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the bundle task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "BundleId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelBundleTaskResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CancelBundleTask.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
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  "BundleTask" : {
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    "documentation" : "<p>Information about the bundle task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
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    "payload" : false,
    "queryName" : null,
    "shape" : "BundleTask",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelConversionRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CancelConversionTask.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ConversionTaskId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the conversion task.</p>",
    }
  }
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"ReasonMessage" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The reason for canceling the conversion task.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reasonMessage",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
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"payload" : null,
"required" : [ "ConversionTaskId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelExportTaskRequest" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Contains the parameters for CancelExportTask.&lt;/p&gt;",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ExportTaskId" : {
      "deprecated" : false,
      "documentation" : "&lt;p&gt;The ID of the export task. This is the ID returned by
<code>CreateInstanceExportTask</code>.

```
{
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "exportTaskId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
```

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"CancelImportTaskRequest": {
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  "documentation": "<p>Contains the parameters for CancelImportTask.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [
    "CancelReason": {
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      "documentation": "<p>The reason for canceling the task.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "ImportTaskId": {
      "deprecated": false,
"documentation": "The ID of the import image or import snapshot task to be canceled.<p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
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"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CancelImportTaskResult": {
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"documentation": "Contains the output for CancelImportTask.<p>",
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"documentation": "The ID of the task being canceled.<p>",
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"idempotencyToken": false,
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"locationName": "importTaskId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"PreviousState": {
"deprecated": false,
"documentation" : "The current state of the task being canceled.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "previousState",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
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"documentation" : "The current state of the task being canceled.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"CancelReservedInstancesListingRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for CancelReservedInstancesListing.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstancesListingId" : {
"deprecated" : false,
"documentation": "The ID of the Reserved Instance listing.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservedInstancesListingId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
{
"min": 0,
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"payload": null,
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"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CancelReservedInstancesListingResult": {
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ReservedInstancesListings": {
"deprecated": false,
"documentation": "The Reserved Instance listing.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reservedInstancesListingsSet",
"payload": false,
"queryName": null,
"shape": "ReservedInstancesListingList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CancelSpotFleetRequestsError": {
"deprecated": false,
"documentation": "\p Describes a Spot fleet error.\p",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Code": {
"deprecated": false,
"documentation": "\p The error code.\p",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "code",
"payload": false,
"queryName": null,
"shape": "CancelBatchErrorCode",
"streaming": false,
"xmlnsNamespace": null
},
"Message": {
"deprecated": false,
"documentation": "\p The description for the error code.\p",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "message",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Code", "Message" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"CancelSpotFleetRequestsErrorItem": {
  "deprecated": false,
  "documentation": "<p>Describes a Spot fleet request that was not successfully canceled.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Error": {
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      "documentation": "<p>The error.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "error",
      "payload": false,
      "queryName": null,
      "shape": "CancelSpotFleetRequestsError",
      "streaming": false,
      "xmlNamespace": null
    },
    "SpotFleetRequestId": {
      "deprecated": false,
      "documentation": "<p>The ID of the Spot fleet request.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "spotFleetRequestId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId", "Error" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"CancelSpotFleetRequestsErrorSet" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "CancelSpotFleetRequestsErrorItem",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"CancelSpotFleetRequestsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelSpotFleetRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "SpotFleetRequestIds" : {
    "deprecated" : false,
    "documentation" : "The IDs of the Spot fleet requests.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotFleetRequestId",
    "payload" : false,
    "queryName" : null,
    "shape" : "ValueStringList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "TerminateInstances" : {
    "deprecated" : false,
    "documentation" : "Indicates whether to terminate instances for a Spot fleet request if it is canceled successfully.
", "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "terminateInstances",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestIds", "TerminateInstances" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsResponse" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CancelSpotFleetRequests.",
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "SuccessfulFleetRequests" : {
    "deprecated" : false,
    "documentation" : "Information about the Spot fleet requests that are successfully canceled."
  },
  "UnsuccessfulFleetRequests" : {
    "deprecated" : false,
    "documentation" : "Information about the Spot fleet requests that are not successfully canceled."
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotFleetRequestsSuccessItem" : {
  "deprecated" : false,
  "documentation" : "Describes a Spot fleet request that was successfully canceled."
},
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CurrentSpotFleetRequestState" : {
    "deprecated" : false,
    "documentation" : "The current state of the Spot fleet request.\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "currentSpotFleetRequestState",
    "payload" : false,
    "queryName" : null,
    "shape" : "BatchState",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "PreviousSpotFleetRequestState" : {
    "deprecated" : false,
    "documentation" : "The previous state of the Spot fleet request.\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "previousSpotFleetRequestState",
    "payload" : false,
    "queryName" : null,
    "shape" : "BatchState",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SpotFleetRequestId" : {
    "deprecated" : false,
    "documentation" : "The ID of the Spot fleet request.\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotFleetRequestId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"CancelSpotInstanceRequestsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CancelSpotInstanceRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotInstanceRequestIds" : {
"deprecated" : false,
"documentation" : "<p>One or more Spot instance request IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SpotInstanceRequestId",
"payload" : false,
"queryName" : null,
"shape" : "SpotInstanceRequestIdList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : { "SpotInstanceRequestIds" },
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelSpotInstanceRequestsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CancelSpotInstanceRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CancelledSpotInstanceRequests" : {
"deprecated" : false,
"documentation" : "<p>One or more Spot instance requests.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotInstanceRequestSet",
"payload" : false,
"queryName" : null,
"shape" : "CancelledSpotInstanceRequestList",
"streaming" : false,
"xmlNamespace" : null
}
},
"CancelledSpotInstanceRequest" : {
"deprecated" : false,
"documentation" : "<p>Describes a request to cancel a Spot instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotInstanceRequestId" : 
}}
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"documentation" : "<p>The ID of the Spot instance request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotInstanceRequestId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}.
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the Spot instance request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "CancelSpotInstanceRequestState",
"streaming" : false,
"xmlnsNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CancelledSpotInstanceRequestList" : {
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"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "CancelledSpotInstanceRequest",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ClassicLinkDnsSupport" : {
"deprecated" : false,
"documentation" : "<p>Describes the ClassicLink DNS support status of a VPC.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClassicLinkDnsSupported" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether ClassicLink DNS support is enabled for the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "classicLinkDnsSupported",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
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"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
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"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"ClassicLinkDnsSupportList": {
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "ClassicLinkDnsSupport",
"streaming": false,
"xmlNamespace": null
}
",
"members": [{}],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "The ID of the VPC.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ClassicLinkInstanceList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"name" : "ClassicLinkInstanceList",
"required" : null,
"shape" : "ClassicLinkInstanceList",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"memberId" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "memberId",
"name" : "memberId",
"required" : false,
"shape" : "String",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
}
"payload" : false,
"queryName" : null,
"shape" : "ClassicLinkInstance",
"streaming" : false,
"xmlns" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ClientData" : {
  "deprecated" : false,
  "documentation" : "Describes the client-specific data."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Comment" : {
    "deprecated" : false,
    "documentation" : "A user-defined comment about the disk upload."
  },
  "UploadEnd" : {
    "deprecated" : false,
    "documentation" : "The time that the disk upload ends."
  }
},
"Location" : {
  "deprecated" : false,
  "documentation" : "The location of the disk upload."
},
"LocationName" : {
  "deprecated" : false,
  "documentation" : "The name of the location where the disk upload is stored."
}
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"UploadSize" : {
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"documentation" : "<p>The size of the uploaded disk image, in GiB.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
}
},
"UploadStart" : {
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"documentation" : "<p>The time that the disk upload starts.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ConfirmProductInstanceRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ConfirmProductInstance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ProductCode" : {
  "deprecated" : false,
  "documentation" : "<p>The product code. This must be a product code that you own.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}
,"min" : 0,
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"payload" : null,
"required" : [ "ProductCode", "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"ConfirmProductInstanceResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ConfirmProductInstance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
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"key" : null,
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    "documentation" : "The AWS account ID of the instance owner. This is only present if the product code is attached to the instance.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "OwnerId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Return" : {
    "deprecated" : false,
    "documentation" : "The return value of the request. Returns <code>true</code> if the specified product code is owned by the requester and associated with the specified instance.
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "return",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
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},
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"payload" : null,
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"streaming" : false,
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},
"ContainerFormat" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "ova" ],
"wrapper" : false,
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  "deprecated" : false,
  "documentation" : "<p>Describes a conversion task.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
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    "ConversionTaskId" : {
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      "documentation" : "<p>The ID of the conversion task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "conversionTaskId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ExpirationTime" : {
      "deprecated" : false,
      "documentation" : "<p>The time when the task expires. If the upload isn't complete before the expiration time, we automatically cancel the task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "expirationTime",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ImportInstance" : {
      "deprecated" : false,
      "documentation" : "<p>If the task is for importing an instance, this contains information about the import instance task.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName": "importInstance",
"payload": false,
"queryName": null,
"shape": "ImportInstanceTaskDetails",
"streaming": false,
"xmlNamespace": null
},
"ImportVolume": {
"deprecated": false,
"documentation": "<p>If the task is for importing a volume, this contains information about the import
volume task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "importVolume",
"payload": false,
"queryName": null,
"shape": "ImportVolumeTaskDetails",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"documentation": "<p>The state of the conversion task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "ConversionTaskState",
"streaming": false,
"xmlNamespace": null
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"StatusMessage": {
"deprecated": false,
"documentation": "<p>The status message related to the conversion task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
}
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"wrapper" : false
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"error" : null,
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"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {},
"min" : 0,
"pattern" : null,
"payload" : null,
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"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
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"CopyImageRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CopyImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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  "ClientToken" : {
    "deprecated" : false,
    "documentation" : "Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "A description for the new AMI in the destination region.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Encrypted" : {
    "deprecated" : false,
    "documentation" : "Specifies whether the destination snapshots of the copied image should be encrypted. The default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "encrypted",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
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},
"Successful" : {
  "ClientToken" : {
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
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  "Encrypted" : {
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"ResponseMetadata" : {
  "HTTPStatusCode" : 200,
  "RequestId" : "1727f285-8618-4f97-a3b2-c4d4f6d8670f",
  "RetryAttempts" : 0
}
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"KmsKeyId": {
"deprecated": false,
"documentation": "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when encrypting the snapshots of an image during a copy operation. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:abcd1234-a123-456a-a12b-a123b4cd56ef</i>. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kmsKeyId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Name": {
"deprecated": false,
"documentation": "<p>The name of the new AMI in the destination region.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SourceImageId": {
"deprecated": false,
"documentation": "<p>The ID of the AMI to copy.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"CopySnapshotRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CopySnapshot.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description for the EBS snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DestinationRegion" : {
"deprecated" : false,
"documentation" : "<p>The destination region to use in the <code>PresignedUrl</code> parameter of a snapshot copy operation. This parameter is only valid for specifying the destination region in a <code>PresignedUrl</code> parameter, where it is required.</p> <note> <p> <code>CopySnapshot</code> sends the snapshot copy to the regional endpoint that you send the HTTP request to, such as <code>ec2.us-east-1.amazonaws.com</code> (in the AWS CLI, this is specified with the <code>--region</code> parameter or the default region in your AWS configuration file). </p> </note>".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "destinationRegion",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"Encrypted" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the destination snapshot should be encrypted. You can encrypt a copy of an unencrypted snapshot using this flag, but you cannot use it to create an unencrypted copy from an encrypted snapshot. Your default CMK for EBS is used unless a non-default AWS Key Management Service (AWS KMS) CMK is specified with <code>KmsKeyId</code>. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "encrypted",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},

"KmsKeyId" : {
  "deprecated" : false,
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) CMK to use when creating the snapshot copy. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the <code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK owner, the <code>key</code> namespace, and then the CMK ID. For example, `arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key</i>:<i>abcd1234-a123-456a-a12b-a123b4cd56ef</i>`. The specified CMK must exist in the region that the snapshot is being copied to. If a <code>KmsKeyId</code> is specified, the <code>Encrypted</code> flag must also be set.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kmsKeyId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"PresignedUrl" : {
  "deprecated" : false,
  "documentation" : "<p>The pre-signed URL that facilitates copying an encrypted snapshot. This parameter is
only required when copying an encrypted snapshot with the Amazon EC2 Query API; it is available as an optional parameter in all other cases. The <code>PresignedUrl</code> should use the snapshot source endpoint, the <code>CopySnapshot</code> action, and include the <code>SourceRegion</code>, <code>SourceSnapshotId</code>, and <code>DestinationRegion</code> parameters. The <code>PresignedUrl</code> must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in <a href="http://docs.aws.amazon.com/AmazonS3/latest/API/sigv4-query-string-auth.html">Authenticating Requests by Using Query Parameters (AWS Signature Version 4)</a> in the <i>Amazon Simple Storage Service API Reference</i>. An invalid or improperly signed <code>PresignedUrl</code> will cause the copy operation to fail asynchronously, and the snapshot will move to an <code>error</code> state.

```
"flattened" : false,
"idempotencyToken" : false,
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceRegion" : {
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"documentation" : "The ID of the region that contains the snapshot to be copied."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
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"exception": false,
"fault": false,
"flattened": false,
"key": null,
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"deprecated": false,
"documentation": "For devices that support BGP, the customer gateway's BGP ASN. Default: 65000",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"PublicIp": {
"deprecated": false,
"documentation": "The Internet-routable IP address for the customer gateway's outside interface. The address must be static.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "IpAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Type": {
"deprecated": false,
"documentation": "The type of VPN connection that this customer gateway supports (<code>ipsec.1</code>).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "GatewayType",
"streaming": false,
"xmlNamespace": null
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"documentation": "<p>Contains the parameters for CreateDhcpOptions.</p>"},
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "DhcpConfigurations": {
    "deprecated": false,
    "documentation": "<p>A DHCP configuration option.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "dhcpConfiguration",
    "payload": false,
    "queryName": null,
    "shape": "NewDhcpConfigurationList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "DhcpConfigurations" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"CreateDhcpOptionsResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateDhcpOptions.</p>"},
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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    "deprecated": false,
    "documentation": "<p>A set of DHCP options.</p>"
  }
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "dhcpOptions",
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"queryName" : null,
"shape" : "DhcpOptions",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"CreateEgressOnlyInternetGatewayRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}"
"VpcId": {
  "deprecated": false,
  "documentation": "The ID of the VPC for which to create the egress-only Internet gateway.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
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"min": 0,
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"payload": null,
"required": [ "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
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"CreateEgressOnlyInternetGatewayResult": {
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  "flattened": false,
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  "max": 0,
  "member": null,
  "members": {
    "ClientToken": {
      "deprecated": false,
      "documentation": "Unique, case-sensitive identifier you provide to ensure the idempotency of the request.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "clientToken",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"EgressOnlyInternetGateway" : {
"deprecated" : false,
"documentation" : "Information about the egress-only Internet gateway."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "egressOnlyInternetGateway",
"payload" : false,
"queryName" : null,
"shape" : "EgressOnlyInternetGateway",
"streaming" : false,
"xmlnsNamespace" : null
},
"CreateFlowLogsRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for CreateFlowLogs."
"enum" : null,
"error" : null,
"exceptino" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "Unique, case-sensitive identifier you provide to ensure the idempotency of the request."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null
},
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt;.
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DeliverLogsPermissionArn": {
"deprecated": false,
"documentation": "The ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n\nThe ARN for the IAM role that's used to post flow logs to a CloudWatch Logs log group.\n\nIf flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"LogGroupName": {
"deprecated": false,
"documentation": "The name of the CloudWatch log group.\n\nThe name of the CloudWatch log group.\n\nIf flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ResourceIds": {
"deprecated": false,
"documentation": "One or more subnet, network interface, or VPC IDs.\n\nOne or more subnet, network interface, or VPC IDs.\n\nIf flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ResourceId",
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
},
"ResourceType": {
"deprecated": false,
"documentation": "The type of resource on which to create the flow log.\n\nThe type of resource on which to create the flow log.\n"}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FlowLogsResourceType",
"streaming" : false,
"xmlNamespace" : null
},
"TrafficType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of traffic to log.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "TrafficType",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ResourceIds", "ResourceType", "TrafficType", "LogGroupName", "DeliverLogsPermissionArn" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateFlowLogsResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateFlowLogs.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"FlowLogIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of the flow logs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "flowLogIdSet",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Unsuccessful" : {
"deprecated" : false,
"documentation" : "<p>Information about the flow logs that could not be created successfully.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unsuccessful",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateImageRequest" : {
"flattened" : false,
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "BlockDeviceMappings" : {
    "deprecated" : false,
    "documentation" : "<p>Information about one or more block device mappings.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "blockDeviceMapping",
    "payload" : false,
    "queryName" : null,
    "shape" : "BlockDeviceMappingRequestList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>A description for the new image.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "description",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
"Name" : {
  "deprecated" : false,
  "documentation" : "A name for the new image. Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (‘), at-signs (@), or underscores(_)."
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "name",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"NoReboot" : {
  "deprecated" : false,
  "documentation" : "By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the 'No Reboot' option is set, Amazon EC2 doesn't shut down the instance before creating the image. When this option is used, file system integrity on the created image can't be guaranteed."
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "noReboot",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}

"CreateImageResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CreateImage."
  "enum" : null,
  "error" : false,
  "exception" : false,
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "InstanceId", "Name" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
}
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ImageId" : {
    "deprecated" : false,
    "documentation" : "The ID of the new AMI.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "imageId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateInstanceExportTaskRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for CreateInstanceExportTask.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "A description for the conversion task or the resource being exported. The maximum length is 255 bytes.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ExportToS3Task" : {
"deprecated" : false,
"documentation" : "<p>The format and location for an instance export task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "exportToS3",
"payload" : false,
"queryName" : null,
"shape" : "ExportToS3TaskSpecification",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TargetEnvironment" : {
"deprecated" : false,
"documentation" : "<p>The target virtualization environment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "targetEnvironment",
"payload" : false,
"queryName" : null,
"shape" : "ExportEnvironment",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
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"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateInstanceExportTaskResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for CreateInstanceExportTask.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ExportTask" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the instance export task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "exportTask",
    "payload" : false,
    "queryName" : null,
    "shape" : "ExportTask",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateInternetGatewayRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateInternetGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateInternetGatewayResult" : {  
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateInternetGateway.</p> ",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { 
"InternetGateway" : {  
"deprecated" : false,
"documentation" : "<p>Information about the Internet gateway.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGateway",
"payload" : false,
"queryName" : null,
"shape" : "InternetGateway",
"streaming" : false,
"xmlNamespace" : null
} 
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",}
"CreateKeyPairRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateKeyPair.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "KeyName" : {
      "deprecated" : false,
      "documentation" : "<p>A unique name for the key pair.</p> <p>Constraints: Up to 255 ASCII characters</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xhtmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "KeyName" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"CreateKeyPairResult" : {
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the KeyPair object that was sent over the wire."
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : null,
"members" : {
  "KeyPair" : {
    "deprecated" : false,
    "documentation" : "<p>Describes a key pair.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "KeyPair",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNatGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNatGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AllocationId" : {
      "deprecated" : false,
      "documentation" : "<p>The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "AllocationId",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
  "deprecated" : false,
  "documentation" : "The unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>. "\</p>\<p>Constraint: Maximum 64 ASCII characters.\</p>\",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "The subnet in which to create the NAT gateway.\</p>\", 
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId", "AllocationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNatGatewayResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CreateNatGateway.\</p>\",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ClientToken" : {
    "deprecated" : false,
    "documentation" : "<p>Unique, case-sensitive identifier to ensure the idempotency of the request. Only returned if a client token was provided in the request.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "clientToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NatGateway" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the NAT gateway.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "natGateway",
    "payload" : false,
    "queryName" : null,
    "shape" : "NatGateway",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkAclEntryRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNetworkAclEntry.</p>",
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CidrBlock" : {
    "deprecated" : false,
    "documentation" : "The IPv4 network range to allow or deny, in CIDR notation (for example <code>172.16.0.0/24</code>).",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "cidrBlock",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Egress" : {
    "deprecated" : false,
    "documentation" : "Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "egress",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IcmpTypeCode" : {
    "deprecated" : false,
    "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block."
  }
},
"IcmpTypeCode" : {
  "deprecated" : false,
  "documentation" : "ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block."
"xmlNamespace" : null
},
"Ipv6CidrBlock" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv6 network range to allow or deny, in CIDR notation (for example
  <code>2001:db8:1234:1a00::/64</code>').</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipv6CidrBlock",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"NetworkAclId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the network ACL.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "networkAclId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PortRange" : {
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "portRange",
  "payload" : false,
  "queryName" : null,
  "shape" : "PortRange",
  "streaming" : false,
  "xmlNamespace" : null
},
"Protocol" : {
  "deprecated" : false,
  "documentation" : "<p>The protocol. A value of <code>-1</code> or <code>all</code> means all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or
codes you specify. If you specify protocol <code>58</code> (<code>ICMPv6</code>) and specify an IPv4 CIDR block, traffic for
all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol `<code>58</code>` (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

```
{"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "protocol",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"RuleAction": {
"deprecated": false,
"documentation": "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ruleAction",
"payload": false,
"queryName": null,
"shape": "RuleAction",
"streaming": false,
"xmlnsNamespace": null
},
"RuleNumber": {
"deprecated": false,
"documentation": "<p>The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.</p> <p>Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.</p>"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ruleNumber",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false,
"CreateNetworkAclRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateNetworkAcl.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "VpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "vpcId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": ["VpcId"],
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"CreateNetworkAclResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of CreateNetworkAcl.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
"members" : {
  "NetworkAcl" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the network ACL.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkAcl",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkAcl",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateNetworkInterfaceRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateNetworkInterface.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "<p>A description for the network interface.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"Groups": {
  "deprecated": false,
  "documentation": "<p>The IDs of one or more security groups.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "SecurityGroupId",
  "payload": false,
  "queryName": null,
  "shape": "SecurityGroupIdStringList",
  "streaming": false,
  "xmlNamespace": null
},
"Ipv6AddressCount": {
  "deprecated": false,
  "documentation": "<p>The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can't use this option if specifying specific IPv6 addresses. If your subnet has the <code>AssignIpv6AddressOnCreation</code> attribute set to <code>true</code>, you can specify <code>0</code> to override this setting.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipv6AddressCount",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"Ipv6Addresses": {
  "deprecated": false,
  "documentation": "<p>One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can't use this option if you're specifying a number of IPv6 addresses.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipv6Addresses",
  "payload": false,
  "queryName": null,
  "shape": "InstanceIpv6AddressList",
  "streaming": false,
  "xmlNamespace": null
},
"PrivateIpAddress": {
  "deprecated": false,
  "documentation": "<p>The primary private IPv4 address of the network interface. If you don't specify an IPv4 address, Amazon EC2 selects one for you from the subnet's IPv4 CIDR range. If you specify an IP address, you
cannot indicate any IP addresses specified in `<code>privateIpAddresses</code>` as primary (only one IP address can be designated as primary). 

```json
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddresses" : {
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddresses",
"payload" : false,
"queryName" : null,
"shape" : "PrivateIpAddressSpecificationList",
"streaming" : false,
"xmlNamespace" : null
},
"SecondaryPrivateIpAddressCount" : {
"deprecated" : false,
"documentation" : "The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet's IPv4 CIDR range. You can't specify this option and specify more than one private IP address using `<code>privateIpAddresses</code>`. The number of IP addresses you can assign to a network interface varies by instance type. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#AvailableIpPerENI">IP Addresses Per ENI Per Instance Type</a> in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.

```
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"CreateNetworkInterfaceResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateNetworkInterface.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkInterface" : {
"deprecated" : false,
"documentation" : "<p>Information about the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterface",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterface",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"CreatePlacementGroupRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreatePlacementGroup.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "GroupName": {
      "deprecated": false,
      "documentation": "<p>A name for the placement group.</p> <p>Constraints: Up to 255 ASCII characters</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "groupName",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Strategy": {
      "deprecated": false,
      "documentation": "<p>The placement strategy.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "strategy",
      "payload": false,
      "queryName": null,
      "shape": "PlacementStrategy",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,

"payload" : null,
"required" : [ "GroupName", "Strategy" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateReservedInstancesListingRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateReservedInstancesListing.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"&gt;Ensuring Idempotency&lt;/a&gt;.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceCount" : {
"deprecated" : false,
"documentation" : "<p>The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCount",
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null,
"PriceSchedules" : {
  "deprecated" : false,
  "documentation" : "<p>A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "priceSchedules",
  "payload" : false,
  "queryName" : null,
  "shape" : "PriceScheduleSpecificationList",
  "streaming" : false,
  "xmlNamespace" : null
},
"ReservedInstancesId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the active Standard Reserved Instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ReservedInstancesId", "InstanceCount", "PriceSchedules", "ClientToken" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateReservedInstancesListingResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateReservedInstancesListing.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ReservedInstancesListings" : {
    "deprecated" : false,
    "documentation" : "Information about the Standard Reserved Instance listing.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "reservedInstancesListingsSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservedInstancesListingList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "CreateRouteRequest" : {
    "deprecated" : false,
    "documentation" : "Contains the parameters for CreateRoute.",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
      "DestinationCidrBlock" : {
        "deprecated" : false,
        "documentation" : "The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "destinationCidrBlock",
        "payload" : false,
        "queryName" : null,
      }
    }
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,"DestinationIpv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "destinationIpv6CidrBlock",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
,"EgressOnlyInternetGatewayId" : {
"deprecated" : false,
"documentation" : "<p>[IPv6 traffic only] The ID of an egress-only Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "egressOnlyInternetGatewayId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
,"GatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of an Internet gateway or virtual private gateway attached to your VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "gatewayId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
,"InstanceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NatGatewayId" : {
"deprecated" : false,
"documentation" : ""<p>[IPv4 traffic only] The ID of a NAT gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "natGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : ""<p>The ID of a network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RouteTableId" : {
"deprecated" : false,
"documentation" : ""<p>The ID of the route table for the route.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"VpcPeeringConnectionId" : {
  "deprecated" : false,
  "documentation" : "The ID of a VPC peering connection.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcPeeringConnectionId",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"CreateRouteResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of CreateRoute."
}

"Return" : {
  "deprecated" : false,
  "documentation" : "Returns <code>true</code> if the request succeeds; otherwise, it returns an error."
}
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateRouteTableRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateRouteTable.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateRouteTableResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateRouteTable.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
   "RouteTable" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the route table.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "routeTable",
      "payload" : false,
      "queryName" : null,
      "shape" : "RouteTable",
      "streaming" : false,
      "xmlNamespace" : null
   }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSecurityGroupRequest" : {
   "deprecated" : false,
   "documentation" : "<p>Contains the parameters for CreateSecurityGroup.</p>",
   "enum" : null,
   "error" : null,
   "exception" : false,
   "fault" : false,
   "flattened" : false,
   "key" : null,
   "max" : 0,
   "member" : null,
   "members" : {
      "Description" : {
"deprecated" : false,
"documentation" : "<p>A description for the security group. This is informational only.</p> <p>Constraints: Up to 255 characters in length</p> <p>Constraints for EC2-Classic: ASCII characters</p> <p>Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and _-:/()#,@\[]+=&amp;;{}!$*</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "GroupDescription",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the VPC. Required for EC2-VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupName", "Description" ],
"streaming" : false,
"type" : "structure"
"value" : null,
"wrapper" : false
},
"CreateSecurityGroupResult" : {
"deprecated" : false,
"documentation" : "Contains the output of CreateSecurityGroup.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GroupId" : {
"deprecated" : false,
"documentation" : "The ID of the security group.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSnapshotRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for CreateSnapshot.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member": null,
"members": {
  "Description": {
    "deprecated": false,
    "documentation": "<p>A description for the snapshot.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "VolumeId": {
    "deprecated": false,
    "documentation": "<p>The ID of the EBS volume.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VolumeId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateSnapshotResult": {
  "deprecated": false,
  "documentation": "A simple result wrapper around the Snapshot object that was sent over the wire.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member" : null,
"members" : {
"Snapshot" : {
"deprecated" : false,
"documentation" : "<p>Describes a snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Snapshot",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSpotDatafeedSubscriptionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateSpotDatafeedSubscription.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Bucket" : {
"deprecated" : false,
"documentation" : "<p>The Amazon S3 bucket in which to store the Spot instance data feed.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Prefix" : {
  "deprecated" : false,
  "documentation" : "<p>A prefix for the data feed file names.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "prefix",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Bucket" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSpotDatafeedSubscriptionResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of CreateSpotDatafeedSubscription.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SpotDatafeedSubscription" : {
      "deprecated" : false,
      "documentation" : "<p>The Spot instance data feed subscription.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "SpotDatafeedSubscription",
      "payload" : false,
      "queryName" : null,
      "shape" : "SpotDatafeedSubscription",
      "streaming" : false,
"xmlNamespace" : null
}
,"CreateSubnetRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateSubnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the subnet. Default: AWS selects one for you. If you create more than one subnet in your VPC, we may not necessarily select a different zone for each subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv4 network range for the subnet, in CIDR notation. For example, <code>10.0.0.0/24</code>.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a
/64 prefix length.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcId", "CidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateSubnetResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateSubnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Subnet" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the subnet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "subnet",
    "payload" : false,
    "queryName" : null,
    "shape" : "Subnet",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateTagsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for CreateTags.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Resources" : {
      "deprecated" : false,
      "documentation" : "<p>The IDs of one or more resources to tag. For example, ami-1a2b3c4d.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ResourceId",
      "payload" : false,
"queryName": null,
"shape": "ResourceIdList",
"streaming": false,
"xmlnsNamespace": null
},
"Tags": {
  "deprecated": false,
  "documentation": "<p>One or more tags. The <code>value</code> parameter is required, but if you don't want the tag to have a value, specify the parameter with no value, and we set the value to an empty string. </p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "Tag",
  "payload": false,
  "queryName": null,
  "shape": "TagList",
  "streaming": false,
  "xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["Resources", "Tags"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVolumePermission": {
  "deprecated": false,
  "documentation": "<p>Describes the user or group to be added or removed from the permissions for a volume.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Group": {
      "deprecated": false,
      "documentation": "<p>The specific group that is to be added or removed from a volume's list of create volume permissions.</p>",
      "flattened": false,
      "idempotencyToken": false,
The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.

```json
"userId": {
  "deprecated": false,
  "documentation": "The specific AWS account ID that is to be added or removed from a volume's list of create volume permissions.
  ",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "userId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
```

```
"CreateVolumePermissionList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "min": 0,
    "pattern": null,
    "payload": null,
    "required": null,
    "streaming": false,
    "type": "structure",
    "value": null,
    "wrapper": false
  }
}
```
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "CreateVolumePermission",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"CreateVolumePermissionModifications" : {
"deprecated" : false,
"documentation" : "<p>Describes modifications to the permissions for a volume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Add" : {
"deprecated" : false,
"documentation" : "<p>Adds a specific AWS account ID or group to a volume's list of create volume permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "CreateVolumePermissionList",
"streaming" : false,
"xmlNamespace" : null
},
"Remove" : {
"deprecated" : false,
"documentation" : "<p>Removes a specific AWS account ID or group from a volume's list of create volume permissions.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "CreateVolumePermissionList",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVolumeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVolume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone in which to create the volume. Use
<a>DescribeAvailabilityZones</a> to list the Availability Zones that are currently available to you.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Encrypted" : {
"deprecated" : false,
"documentation" : "<p>Specifies whether the volume should be encrypted. Encrypted Amazon EBS volumes
may only be attached to instances that support Amazon EBS encryption. Volumes that are created from encrypted
snapshots are automatically encrypted. There is no way to create an encrypted volume from an unencrypted snapshot
or vice versa. If your AMI uses encrypted volumes, you can only launch it on supported instance types. For more
information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html">Amazon
EBS Encryption</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "encrypted",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Iops" : {
"deprecated" : false,
"documentation" : "<p>Only valid for Provisioned IOPS SSD volumes. The number of I/O operations per
second (IOPS) to provision for the volume, with a maximum ratio of 50 IOPS/GiB.</p> Constraint: Range is
100 to 20000 for Provisioned IOPS SSD volumes</p>", 
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"KmsKeyId" : {
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master
key (CMK) to use when creating the encrypted volume. This parameter is only required if you want to use a non-
default CMK; if this parameter is not specified, the default CMK for EBS is used. The ARN contains the
<code>arn:aws:kms</code> namespace, followed by the region of the CMK, the AWS account ID of the CMK
owner, the <code>key</code> namespace, and then the CMK ID. For example, arn:aws:kms:<i>us-east-1</i>:<i>012345678910</i>:<i>key/abcd1234-a123-456a-a12b-a123b4cd56ef</i>. If a <code>KmsKeyId</code>
is specified, the <code>Encrypted</code> flag must also be set.</p>".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
"Size" : {
  "deprecated" : false,
  "documentation" : "<p>The size of the volume, in GiBs. Constraints: 1-16384 for <code>gp2</code>, 4-16384 for <code>io1</code>, 500-16384 for <code>st1</code>, 500-16384 for <code>sc1</code>, and 1-1024 for <code>standard</code>. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size. </p> Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : false
},
"SnapshotId" : {
  "deprecated" : false,
  "documentation" : "<p>The snapshot from which to create the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : false
},
"VolumeType" : {
  "deprecated" : false,
  "documentation" : "<p>The volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes. Default: <code>standard</code>.
</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeType",
  "streaming" : false,
  "xmlNamespace" : null
}
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ClientToken": {
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">How to Ensure Idempotency</a>.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "PolicyDocument": {
    "deprecated": false,
    "documentation": "<p>A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "RouteTableIds": {
    "deprecated": false,
    "documentation": "<p>One or more route table IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "RouteTableId",
    "payload": false,
    "queryName": null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"ServiceName" : {
 "deprecated" : false,
 "documentation" : "The AWS service name, in the form
<code>com.amazonaws.<i>region</i>.<i>service</i></code>. To get a list of available services, use the
<a>DescribeVpcEndpointServices</a> request."
},
"VpcId" : {
 "deprecated" : false,
 "documentation" : "The ID of the VPC in which the endpoint will be used."
},
"min" : 0,
"payload" : null,
"required" : [ "VpcId", "ServiceName" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcEndpointResult" : {
 "deprecated" : false,
 "documentation" : "Contains the output of CreateVpcEndpoint."
}
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ClientToken": {
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "clientToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "VpcEndpoint": {
    "deprecated": false,
    "documentation": "<p>Information about the endpoint.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "vpcEndpoint",
    "payload": false,
    "queryName": null,
    "shape": "VpcEndpoint",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVpcPeeringConnectionRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateVpcPeeringConnection.</p>",
  "enum": null,
  "error": null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "PeerOwnerId" : {
    "deprecated" : false,
    "documentation" : "<p>The AWS account ID of the owner of the peer VPC.</p> <p>Default: Your AWS account ID</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "peerOwnerId",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlns" : false,
    "xmlNamespace" : null
  },
  "PeerVpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC with which you are creating the VPC peering connection.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "peerVpcId",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlns" : false,
    "xmlNamespace" : null
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the requester VPC.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcId",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlns" : false,
    "xmlNamespace" : null
  }
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcPeeringConnectionResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpcPeeringConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpcPeeringConnection" : {
"deprecated" : false,
"documentation" : "<p>Information about the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnection",
"payload" : false,
"queryName" : null,
"shape" : "VpcPeeringConnection",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpcRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for CreateVpc.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "AmazonProvidedIpv6CidrBlock" : {
        "deprecated" : false,
        "documentation" : "Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.\n\n<p>\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "amazonProvidedIpv6CidrBlock",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
    },
    "CidrBlock" : {
        "deprecated" : false,
        "documentation" : "The IPv4 network range for the VPC, in CIDR notation. For example, \n<code>10.0.0.0/16</code>.\n\n<p>\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
    },
    "InstanceTenancy" : {
        "deprecated" : false,
        "documentation" : "The tenancy options for instances launched into the VPC. For <code>default</code>, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For <code>dedicated</code>, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of <code>dedicated</code> or <code>host</code> into a dedicated tenancy VPC.\n\n<p>\n    <b>Important:</b> The <code>host</code> value cannot be used with this parameter. Use the <code>default</code> or <code>dedicated</code> values only.\n    <b>Default: <code>default</code></b>\n\n<p>\n    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceTenancy",
\n
"CreateVpnConnectionRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for CreateVpnConnection.</p>" ,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "CustomerGatewayId": {
      "deprecated": false,
      "documentation": "<p>The ID of the customer gateway.</p>" ,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Options": {
      "deprecated": false,
      "documentation": "<p>Indicates whether the VPN connection requires static routes. If you are creating a VPN connection for a device that does not support BGP, you must specify &lt;code&gt;true&lt;/code&gt;.&lt;/p&gt; Default: &lt;code&gt;false&lt;/code&gt;" ,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "options",
      "payload": false,
      "queryName": null,
      "shape": "VpnConnectionOptionsSpecification",
      "streaming": false,
      "xmlNamespace": null
    },
    "Type": {
      "deprecated": false,
      "documentation": "<p>The type of VPN connection (&lt;code&gt;ipsec.1&lt;/code&gt;).&lt;/p&gt;" ,
      "flattened": false,
      "idempotencyToken": false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpnGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Type", "CustomerGatewayId", "VpnGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CreateVpnConnectionResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of CreateVpnConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpnConnection" : {
"deprecated" : false,
"documentation" : "<p>Information about the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "vpnConnection",
"payload": false,
"queryName": null,
"shape": "VpnConnection",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CreateVpnConnectionRouteRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateVpnConnectionRoute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"DestinationCidrBlock": {
"deprecated": false,
"documentation": "<p>The CIDR block associated with the local subnet of the customer network.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VpnConnectionId": {
"deprecated": false,
"documentation": "<p>The ID of the VPN connection.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpnConnectionId", "DestinationCidrBlock" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,
"CreateVpnGatewayRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for CreateVpnGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>The Availability Zone for the virtual private gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Type": {
"deprecated": false,
"documentation": "<p>The type of VPN connection this virtual private gateway supports.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "GatewayType",
"streaming": false,
"xmlNamespace": null
}
},

"min": 0,
"pattern": null,
"payload": null,
"required": ["Type"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"CreateVpnGatewayResult": {
"deprecated": false,
"documentation": "<p>Contains the output of CreateVpnGateway.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpnGateway": {
"deprecated": false,
"documentation": "<p>Information about the virtual private gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpnGateway",
"payload": false,
"queryName": null,
"shape": "VpnGateway",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"CurrencyCodeValues": {
"deprecated": false,
"documentation": null,
"enum": [ "USD" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"CustomerGateway": {
"deprecated": false,
"documentation": "Describes a customer gateway.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"BgpAsn": {
"deprecated": false,
"documentation": "The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "bgpAsn",
"payload": false,
"queryName": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CustomerGatewayId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the customer gateway.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "customerGatewayId",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"IpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The Internet-routable IP address of the customer gateway's outside interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipAddress",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The current state of the customer gateway (<code>pending | available | deleting | deleted</code>).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the customer gateway.</p>",
  "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"Type" : {
  "deprecated" : false,
  "documentation" : "The type of VPN connection the customer gateway supports.
  \( <code>ipsec.1</code> \).\( </p>\)
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "type",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"CustomerGatewayIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
"location": null,
"locationName": "CustomerGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"CustomerGatewayList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "CustomerGateway",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list"
"value" : null,
"wrapper" : false
},
"DatafeedSubscriptionState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "Active", "Inactive" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"DateTime" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "timestamp",
"value" : null,
"wrapper" : false
},
"DeleteCustomerGatewayRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DeleteCustomerGateway."}.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CustomerGatewayId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the customer gateway.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "CustomerGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteDhcpOptionsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteDhcpOptions.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DhcpOptionsId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the DHCP options set.</p>",
      "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
],

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "DhcpOptionsId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],

"DeleteEgressOnlyInternetGatewayRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "EgressOnlyInternetGatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the egress-only Internet gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "EgressOnlyInternetGatewayId",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
"required" : [ "EgressOnlyInternetGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"DeleteEgressOnlyInternetGatewayResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ReturnCode" : {
    "deprecated" : false,
    "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "returnCode",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteFlowLogsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteFlowLogs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "FlowLogIds" : {
    "deprecated" : false,
    "documentation" : "One or more flow log IDs.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "FlowLogId",
    "payload" : false,
    "queryName" : null,
    "shape" : "ValueStringList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "FlowLogIds" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DeleteFlowLogsResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of DeleteFlowLogs.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Unsuccessful" : {
      "deprecated" : false,
      "documentation" : "Information about the flow logs that could not be deleted successfully.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "unsuccessful",
      "payload" : false,
      "queryName" : null,
      "shape" : "ValueStringList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemSet",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.

"DeleteInternetGatewayRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteInternetGateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InternetGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InternetGatewayId" ],
"streaming" : false,
"type" : "structure",}
"value" : null,
"wrapper" : false
},
"DeleteKeyPairRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteKeyPair.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "KeyName" : {
      "deprecated" : false,
      "documentation" : "<p>The name of the key pair.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "KeyName" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DeleteNatGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteNatGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
"member" : null,
"members" : {
  "NatGatewayId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the NAT gateway.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NatGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteNatGatewayResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DeleteNatGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NatGatewayId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the NAT gateway.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "natGatewayId",
      "payload" : false,
      "queryString" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"xmlNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DeleteNetworkAclEntryRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteNetworkAclEntry.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Egress" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the rule is an egress rule.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "egress",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
,"NetworkAclId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network ACL.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkAclId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"deleteNetworkInterface": {
    "min": 0,
    "pattern": null,
    "payload": null,
    "required": [ "NetworkInterfaceId" ],
    "streaming": false,
    "type": "structure",
    "value": null,
    "wrapper": false
},
"DeletePlacementGroupRequest": {
    "deprecated": false,
    "documentation": "\nContains the parameters for DeleteNetworkInterface.\n",
    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
    "key": null,
    "max": 0,
    "member": null,
    "members": {
        "NetworkInterfaceId": {
            "deprecated": false,
            "documentation": "The ID of the network interface.\n",
            "flattened": false,
            "idempotencyToken": false,
            "location": null,
            "locationName": "networkInterfaceId",
            "payload": false,
            "queryName": null,
            "shape": "String",
            "streaming": false,
            "xmlNamespace": null
        }
    },
    "min": 0,
    "pattern": null,
    "payload": null,
    "required": [ "NetworkInterfaceId" ],
    "streaming": false,
    "type": "structure",
    "value": null,
    "wrapper": false
},
"DeletePlacementGroupRequest": {
    "xmlNamespace": null
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeletePlacementGroup.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "GroupName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the placement group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupName" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"DeleteRouteRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteRoute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DestinationCidrBlock" : {
      "deprecated" : false,
"documentation" : "<p>The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "destinationCidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DestinationIpv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "destinationIpv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RouteTableId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"DeleteRouteTableRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteRouteTable.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "RouteTableId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the route table.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "routeTableId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
},
"DeleteSecurityGroupRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DeleteSecurityGroup.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {

"GroupId" : {
  "deprecated" : false,
  "documentation" : "The ID of the security group. Required for a nondefault VPC.\n<\/p>\",  
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"GroupName" : {
  "deprecated" : false,
  "documentation" : "[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.\n<\/p>\",  
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteSnapshotRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for DeleteSnapshot.\n<\/p>\",  
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members" : {
  "SnapshotId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the EBS snapshot.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SnapshotId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteSpotDatafeedSubscriptionRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteSpotDatafeedSubscription.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DeleteSubnetRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteSubnet.</p>",
  "enum" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SubnetId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteTagsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteTags.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Resources" : {
"deprecated" : false,
"documentation" : "<p>The ID of the resource. For example, ami-1a2b3c4d. You can specify more than one resource ID.</p>",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Resources" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "resourceId",
"payload" : false,
"queryName" : null,
"shape" : "ResourceIdList",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>One or more tags to delete. If you omit the <code>value</code> parameter, we delete the tag regardless of its value. If you specify this parameter with an empty string as the value, we delete the key only if its value is an empty string.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tag",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Resources" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVolumeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVolume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VolumeId" : {
}
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpcEndpointsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpcEndpoints.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpcEndpointIds" : {
"deprecated" : false,
"documentation" : "<p>One or more endpoint IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcEndpointId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"locationName" : "VpcEndpointId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcEndpointIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpcEndpointsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DeleteVpcEndpoints.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Unsuccessful" : {
"deprecated" : false,
"documentation" : "<p>Information about the endpoints that were not successfully deleted.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unsuccessful",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpcPeeringConnectionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpcPeeringConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "VpcPeeringConnectionId" : {
        "deprecated" : false,
        "documentation" : "<p>The ID of the VPC peering connection.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "vpcPeeringConnectionId",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcPeeringConnectionId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpcPeeringConnectionResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DeleteVpcPeeringConnection.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Return" : {
            "deprecated" : false,
            "documentation" : "<p>Return <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
            "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "return",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeleteVpcRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DeleteVpc.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
}
},
"min": 0,
"pattern": null,
"payload": null,
"required" : [ "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpnConnectionRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpnConnection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"VpnConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnConnectionId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpnConnectionRouteRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DeleteVpnConnectionRoute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "DestinationCidrBlock" : {
    "deprecated" : false,
    "documentation" : "<p>The CIDR block associated with the local subnet of the customer network.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "VpnConnectionId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPN connection.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnConnectionId", "DestinationCidrBlock" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeleteVpnGatewayRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeleteVpnGateway.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
}
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VpnGatewayId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpnGatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DeregisterImageRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DeregisterImage.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ImageId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the AMI.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeAccountAttributesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAccountAttributes.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AttributeNames" : {
"deprecated" : false,
"documentation" : "<p>One or more account attribute names.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attributeName",
"payload" : false,
"queryName" : null,
"shape" : "AccountAttributeNameStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false,
},
"DescribeAccountAttributesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeAccountAttributes.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AccountAttributes" : {
      "deprecated" : false,
      "documentation" : "<p>Information about one or more account attributes.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "accountAttributeSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "AccountAttributeList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeAddressesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeAddresses.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members": {
  "AllocationIds": {
    "deprecated": false,
    "documentation": "<p>[EC2-VPC] One or more allocation IDs.</p> Default: Describes all your Elastic IP addresses.</p>"
  },
  "Filters": {
    "deprecated": false,
    "documentation": "<p>One or more filters. Filter names and values are case-sensitive.</p> <ul>
      <li>
        <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.
      </li>
      <li>
        <code>association-id</code> - [EC2-VPC] The association ID for the address.
      </li>
      <li>
        <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).</li>
      <li>
        <code>instance-id</code> - The ID of the instance the address is associated with, if any.
      </li>
      <li>
        <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.
      </li>
      <li>
        <code>network-interface-owner-id</code> - The AWS account ID of the owner.
      </li>
      <li>
        <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.
      </li>
      <li>
        <code>public-ip</code> - The Elastic IP address.
      </li>
    </ul>"
  },
  "PublicIps": {
    "deprecated": false,
    "documentation": "<p>[EC2-Classic] One or more Elastic IP addresses.</p> Default: Describes all your Elastic IP addresses.</p>"},
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "AllocationId",
  "payload": false,
  "queryName": null,
  "shape": "AllocationIdList",
  "streaming": false,
  "xmlNamespace": null
},
"Filters": {
  "deprecated": false,
  "documentation": "<p>One or more filters. Filter names and values are case-sensitive.</p>
  <ul>
    <li>
      <code>allocation-id</code> - [EC2-VPC] The allocation ID for the address.
    </li>
    <li>
      <code>association-id</code> - [EC2-VPC] The association ID for the address.
    </li>
    <li>
      <code>domain</code> - Indicates whether the address is for use in EC2-Classic (<code>standard</code>) or in a VPC (<code>vpc</code>).
    </li>
    <li>
      <code>instance-id</code> - The ID of the instance the address is associated with, if any.
    </li>
    <li>
      <code>network-interface-id</code> - [EC2-VPC] The ID of the network interface that the address is associated with, if any.
    </li>
    <li>
      <code>network-interface-owner-id</code> - The AWS account ID of the owner.
    </li>
    <li>
      <code>private-ip-address</code> - [EC2-VPC] The private IP address associated with the Elastic IP address.
    </li>
    <li>
      <code>public-ip</code> - The Elastic IP address.
    </li>
  </ul>"
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeAddressesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeAddresses.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Addresses" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more Elastic IP addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "addressesSet",
"payload" : false,
"queryName" : null,
"shape" : "AddressList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeAvailabilityZonesRequest" : {
"xmlNamespace" : null
}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeAvailabilityZones.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters.</p> <ul> <li> <p> <code>message</code> - Information about the Availability Zone.</p> </li> <li> <p> <code>region-name</code> - The name of the region for the Availability Zone (for example, <code>us-east-1</code>).</p> </li> <li> <p> <code>state</code> - The state of the Availability Zone (available | information | impaired | unavailable).</p> </li> <li> <p> <code>zone-name</code> - The name of the Availability Zone (for example, <code>us-east-1a</code>).</p> </li> </ul>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"ZoneNames" : {
"deprecated" : false,
"documentation" : "The names of one or more Availability Zones."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ZoneName",
"payload" : false,
"queryName" : null,
"shape" : "ZoneNameStringList",
"streaming" : false,
"xmlNamespace" : null
}
"DescribeAvailabilityZonesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeAvailabilityZones.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZones" : {
      "deprecated" : false,
      "documentation" : "<p>Information about one or more Availability Zones.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "availabilityZoneInfo",
      "payload" : false,
      "queryName" : null,
      "shape" : "AvailabilityZoneList",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeBundleTasksRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeBundleTasks.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max": 0,
"member": null,
"members": {
  "BundleIds": {
    "deprecated": false,
    "documentation": "One or more bundle task IDs. Default: Describes all your bundle tasks."
  },
  "Filters": {
    "deprecated": false,
    "documentation": "One or more filters.
    - The ID of the bundle task.
    - The ID of the instance.
    - The time the task started (for example, 2013-09-15T17:20.000Z).
    - The level of task completion, as a percentage (for example, 20%).
    - The Amazon S3 bucket to store the AMI.
    - The beginning of the AMI name.
    - The time of the most recent update for the task.
    - The state of the task (pending | waiting-for-shutdown | bundling | storing | cancelling | complete | failed).
    - The Amazon S3 bucket.
    - The instance ID.
    - The error code.
    - The error message.
    - The progress.
    - The S3 prefix.
    - The state.
    - The update time.
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"DescribeBundleTasksResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeBundleTasks.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "BundleTasks" : {
      "deprecated" : false,
      "documentation" : "<p>Information about one or more bundle tasks.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "bundleInstanceTasksSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "BundleTaskList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeClassicLinkInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeClassicLinkInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {

"Filters" : {
  "deprecated" : false,
  "documentation" : "One or more filters.
  <ul>
    <li>
      <code>group-id</code> - The ID of a VPC security group that's associated with the instance.
    </li>
    <li>
      <code>instance-id</code> - The ID of the instance.
    </li>
    <li>
      <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource.
    </li>
    <li>
      <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.
    </li>
    <li>
      <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
    </li>
    <li>
      <code>vpc-id</code> - The ID of the VPC that the instance is linked to.
    </li>
  </ul>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "Filter",
  "payload" : false,
  "queryName" : null,
  "shape" : "FilterList",
  "streaming" : false,
  "xmlNamespace" : null
},

"InstanceIds" : {
  "deprecated" : false,
  "documentation" : "One or more instance IDs. Must be instances linked to a VPC through ClassicLink.

Constraint: If the value is greater than 1000, we return only 1000 items.
",  
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "InstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
},

"MaxResults" : {
  "deprecated" : false,
  "documentation" : "The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the instance IDs parameter in the same request.
Constraint: If the value is greater than 1000, we return only 1000 items.
",  
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "maxResults"}
The token to use to retrieve the next page of results. This value is null when there are no more results to return.
"queryName" : null,
"shape" : "ConversionTask",
"streaming" : false,
"xmlns" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"DescribeConversionTasksRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeConversionTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ConversionTaskIds" : {
"deprecated" : false,
"documentation" : "<p>One or more conversion task IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "conversionTaskId",
"payload" : false,
"queryName" : null,
"shape" : "ConversionIdStringList",
"streaming" : false,
"xmlns" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false
},
"DescribeConversionTasksResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output for DescribeConversionTasks.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ConversionTasks": {
      "deprecated": false,
      "documentation": "<p>Information about the conversion tasks.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "conversionTasks",
      "payload": false,
      "queryName": null,
      "shape": "DescribeConversionTaskList",
      "streaming": false,
      "xmlnsNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"DescribeCustomerGatewaysRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeCustomerGateways.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
"members": {
  "CustomerGatewayIds": {
    "deprecated": false,
    "documentation": "One or more customer gateway IDs. Default: Describes all your customer gateways."
  },
  "filters": {
    "deprecated": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "CustomerGatewayId",
    "payload": false,
    "queryName": null,
    "shape": "CustomerGatewayIdStringList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"Filters": {
  "deprecated": false,
  "documentation": "One or more filters.
  - The customer gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN).
  - The ID of the customer gateway.
  - The IP address of the customer gateway's Internet-routable external interface.
  - The state of the customer gateway.
  - The type of customer gateway.
  - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.
  - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X1", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code> filter.
  - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.
},
"min": 0,
"pattern": null,
"payload": null,
"required": null}
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeCustomerGatewaysResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of DescribeCustomerGateways.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "CustomerGateways": {
      "deprecated": false,
      "documentation": "<p>Information about one or more customer gateways.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "customerGatewaySet",
      "payload": false,
      "queryName": null,
      "shape": "CustomerGatewayList",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"DescribeDhcpOptionsRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeDhcpOptions.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "DhcpOptionsIds" : {
    "deprecated" : false,
    "documentation" : "The IDs of one or more DHCP options sets.
    Default: Describes all your DHCP options sets.
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "DhcpOptionsId",
    "payload" : false,
    "queryName" : null,
    "shape" : "DhcpOptionsIdStringList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Filters" : {
    "deprecated" : false,
    "documentation" : "One or more filters.
    <code>dhcp-options-id</code> - The ID of a set of DHCP options.
    <code>key</code> - The key for one of the options (for example,
    <code>domain-name</code>).<br>
    <code>value</code> - The value for one of the options.<br>
    <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.<br>
    <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X!", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter "tag:<i>key</i>=<i>value</i>". The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.<br>
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "Filter",
    "payload" : false,
    "queryName" : null,
    "shape" : "FilterList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeDhcpOptionsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeDhcpOptions.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"DhcpOptions": {
"deprecated": false,
"documentation": "<p>Information about one or more DHCP options sets.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "dhcpOptionsSet",
"payload": false,
"queryName": null,
"shape": "DhcpOptionsList",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeEgressOnlyInternetGatewaysRequest": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "EgressOnlyInternetGatewayIds": {
    "deprecated": false,
    "documentation": "<p>One or more egress-only Internet gateway IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "EgressOnlyInternetGatewayId",
    "payload": false,
    "queryName": null,
    "shape": "EgressOnlyInternetGatewayIdList",
    "streaming": false,
    "xmlNamespace": null
  },
  "MaxResults": {
    "deprecated": false,
    "documentation": "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlNamespace": null
  },
  "NextToken": {
    "deprecated": false,
    "documentation": "The token to retrieve the next page of results.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeExportTasksRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeExportTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ExportTaskIds" : {
"deprecated" : false,
"documentation" : "<p>One or more export task IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "exportTaskId",
"payload" : false,
"queryName" : null,
"shape" : "ExportTaskIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeExportTasksResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeExportTasks.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ExportTasks" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the export tasks.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "exportTaskSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "ExportTaskList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeFlowLogsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeFlowLogs.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filter" : {
      "deprecated" : false,
<code>ALL</code>)</p> </li> </ul>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"FlowLogIds" : {
"deprecated" : false,
"documentation" : "One or more flow log IDs.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "FlowLogId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. You cannot specify this parameter and the flow log IDs parameter in the same request.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to retrieve the next page of results.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeFlowLogsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeFlowLogs.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": false,
"max": 0,
"member": null,
"members": {
"FlowLogs": {
"deprecated": false,
"documentation": "<p>Information about the flow logs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "flowLogSet",
"payload": false,
"queryName": null,
"shape": "FlowLogSet",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken"}
"DescribeHostReservationOfferingsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filter" : {
      "deprecated" : false,
      "documentation" : "One or more filters.
  <ul>
    <li> <p> <code>instance-family</code> - The instance family of the offering (e.g., <code>m4</code>). </p></li>
    <li> <p> <code>payment-option</code> - The payment option ( <code>NoUpfront</code> | <code>PartialUpfront</code> | <code>AllUpfront</code>). </p></li>
</ul>

  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "FilterList",
  "streaming" : false,
  "xmlNamespace" : null
  },
  "MaxDuration" : {
    "deprecated" : false,
    "documentation" : "This is the maximum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify

94608000 for three years.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.</p>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"MinDuration" : {
"deprecated" : false,
"documentation" : "This is the minimum duration of the reservation you'd like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlns" : null
},
"OfferingId" : {
"deprecated" : false,
"documentation" : "The ID of the reservation offering.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlns" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostReservationOfferingsResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results. This value is null when there are no more results to return.",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"OfferingSet": {
  "deprecated": false,
  "documentation": "<p>Information about the offerings.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "offeringSet",
  "payload": false,
  "queryName": null,
  "shape": "HostOfferingSet",
  "streaming": false,
  "xmlNamespace": null
},
"DescribeHostReservationsRequest": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filter": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p>"<ul><li><p><code>instance-family</code> - The instance family (e.g., <code>m4</code>). </p></li>
<li><p><code>payment-option</code> - The payment option 
</ul>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"HostReservationIdSet" : {
"deprecated" : false,
"documentation" : "One or more host reservation IDs,",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "HostReservationIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to use to retrieve the next page of results.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostReservationsResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "HostReservationSet" : {
    "deprecated" : false,
    "documentation" : "<p>Details about the reservation's configuration.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "hostReservationSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "HostReservationSet",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    
  }
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeHosts.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filter" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters.</p> 
          <ul>
            <li> <code>instance-type</code> - The instance type size that the Dedicated Host is configured to support.</li>
            <li> <code>auto-placement</code> - Whether auto-placement is enabled or disabled (<code>on</code> | <code>off</code>). </li>
            <li> <code>host-reservation-id</code> - The ID of the reservation assigned to this host.</li>
            <li> <code>client-token</code> - The idempotency token you provided when you launched the instance.</li>
          </ul>
        
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "filter",
        "payload" : false,
        "queryName" : null,
        "shape" : "FilterList",
        "value" : null,
        "wrapper" : false
      }
    }
  }
}
"streaming": false,
"xmlnsNamespace": null
},
"HostIds": {
  "deprecated": false,
  "documentation": "<p>The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "hostId",
  "payload": false,
  "queryName": null,
  "shape": "RequestHostIdList",
  "streaming": false,
  "xmlnsNamespace": null
},
"MaxResults": {
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned <code>nextToken</code> value. This value can be between 5 and 500; if <code>maxResults</code> is given a larger value than 500, you will receive an error. You cannot specify this parameter and the host IDs parameter in the same request.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "maxResults",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlnsNamespace": null
},
"NextToken": {
  "deprecated": false,
  "documentation": "<p>The token to retrieve the next page of results.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "nextToken",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
}
],
"min": 0,
"pattern": null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeHostsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeHosts.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Hosts" : {
"deprecated" : false,
"documentation" : "<p>Information about the Dedicated Hosts.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostSet",
"payload" : false,
"queryName" : null,
"shape" : "HostList",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeIamInstanceProfileAssociationsRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationIds" : {
"deprecated" : false,
"documentation" : "<p>One or more IAM instance profile associations.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "AssociationId",
"payload" : false,
"queryName" : null,
"shape" : "AssociationIdList",
"streaming" : false,
"xmlnsNamespace" : null
},
"Filters" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "MaxResults",
  "streaming" : false,
  "xmlNamespace" : null
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"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token to request the next page of results.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "NextToken",
  "streaming" : false,
  "xmlNamespace" : null
},
"DescribeIamInstanceProfileAssociationsResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
"members": {
"IamInstanceProfileAssociations": {
"deprecated": false,
"documentation": "<p>Information about one or more IAM instance profile associations.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iamInstanceProfileAssociationSet",
"payload": false,
"queryName": null,
"shape": "IamInstanceProfileAssociationSet",
"streaming": false,
"xmlNamespace": null
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"NextToken": {
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "NextToken",
"streaming": false,
"xmlNamespace": null
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"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DescribeIdFormatRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeIdFormat.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Resource": {
"deprecated": false,
"documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DescribeIdFormatResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeIdFormat.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Statuses": {
"deprecated": false,
"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"payload": null,
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"wrapper": false
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"max": 0,
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"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"max": 0,
"member": null,
"members": {
"Statuses": {
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"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"wrapper": false
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"max": 0,
"member": null,
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"Statuses": {
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"location": null,
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"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"wrapper": false
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"max": 0,
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"Statuses": {
"deprecated": false,
"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"wrapper": false
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"max": 0,
"member": null,
"members": {
"Statuses": {
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"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"wrapper": false
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"max": 0,
"member": null,
"members": {
"Statuses": {
"deprecated": false,
"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusSet",
"payload": false,
"queryName": null,
"shape": "IdFormatList",
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"wrapper": false
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"max": 0,
"member": null,
"members": {
"Statuses": {
"deprecated": false,
"documentation": "<p>Information about the ID format for the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeIdentityIdFormatRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeIdentityIdFormat. </p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"PrincipalArn": {
"deprecated": false,
"documentation": "<p>The ARN of the principal, which can be an IAM role, IAM user, or the root user.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "principalArn",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Resource": {
"deprecated": false,
"documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code> </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "resource",
"payload": false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "PrincipalArn" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"DescribeIdentityIdFormatResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeIdentityIdFormat.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Statuses" : {
"deprecated" : false,
"documentation" : "<p>Information about the ID format for the resources.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusSet",
"payload" : false,
"queryName" : null,
"shape" : "IdFormatList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"DescribeImageAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeImageAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Attribute" : {
      "deprecated" : false,
      "documentation" : "<p>The AMI attribute.</p> <p>Note: Depending on your account privileges, the <code>blockDeviceMapping</code> attribute may return a <code>Client.AuthFailure</code> error. If this happens, use <a>DescribeImages</a> to get information about the block device mapping for the AMI.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "ImageAttributeName",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ImageId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the AMI.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "ImageId", "Attribute" ],
  "streaming" : false,
"max" : 0,
"member" : null,
"members" : {
"ExecutableUsers" : {
"deprecated" : false,
"documentation" : "Scopes the images by users with explicit launch permissions. Specify an AWS account ID, (the sender of the request), or (public AMIs).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ExecutableBy",
"payload" : false,
"queryName" : null,
"shape" : "ExecutableByStringList",
"streaming" : false,
"xmlnsNamespace" : null,
"Filters" : {
"deprecated" : false,
"documentation" : "One or more filters.
<ul>
<li><code>architecture</code> - The image architecture (<code>i386</code> | <code>x86_64</code>).</li>
<li><code>block-device-mapping.delete-on-termination</code> - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.</li>
<li><code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code>).</li>
<li><code>block-device-mapping.snapshot-id</code> - The ID of the snapshot used for the EBS volume.</li>
<li><code>block-device-mapping.volume-size</code> - The volume size of the EBS volume, in GiB.</li>
<li><code>block-device-mapping.volume-type</code> - The volume type of the EBS volume (<code>gp2</code> | <code>io1</code> | <code>sc1</code> | <code>standard</code>).</li>
<li><code>description</code> - The description of the image (provided during image creation).</li>
<li><code>ena-support</code> - A Boolean that indicates whether enhanced networking with ENA is enabled.</li>
<li><code>hypervisor</code> - The hypervisor type (<code>ovm</code> | <code>xen</code>).</li>
<li><code>image-id</code> - The ID of the image.</li>
<li><code>image-type</code> - The image type (<code>machine</code> | <code>kernel</code> | <code>ramdisk</code>).</li>
<li><code>is-public</code> - A Boolean that indicates whether the image is public.</li>
<li><code>kernel-id</code> - The kernel ID.</li>
<li><code>manifest-location</code> - The location of the image manifest.</li>
<li><code>name</code> - The name of the AMI (provided during image creation).</li>
<li><code>owner-alias</code> - String value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</li>
<li><code>owner-id</code> - The AWS account ID of the image owner.</li>
<li><code>platform</code> - The platform. To only list Windows-based AMIs, use <code>windows</code>.</li>
<li><code>product-code</code> - The product code.</li>
<li><code>product-code.type</code> - The type of the product code (<code>devpay</code> | <code>marketplace</code>).</li>
<li><code>root-device-name</code> - The name of the root device volume (for example, <code>/dev/sda1</code>).</li>
<li><code>root-device-type</code> - The type of the root device volume (<code>ebs</code> | <code>instance-store</code>).</li>
<li><code>state</code> - The state of the image (<code>available</code> | <code>pending</code> | <code>failed</code>).</li>
<li><code>state-reason-code</code> - The reason code for the state change.</li>
</ul>"
message</code> - The message for the state change.</p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the tag-value filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> <li> <p> <code>virtualization-type</code> - The virtualization type (<code>paravirtual</code> | <code>hvm</code>).</p> </li> </ul>

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"streaming" : false,
"xmlNamespace" : null
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"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "ImageIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Owners" : {
"deprecated" : false,
"documentation" : "Filters the images by the owner. Specify an AWS account ID, <code>self</code> (owner is the sender of the request), or an AWS owner alias (valid values are <code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>). Omitting this option returns all images for which you have launch permissions, regardless of ownership.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Owner",
"payload" : false,
"queryName" : null,
"shape" : "OwnerStringList",
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"xmlNamespace": null
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"min": 0,
"pattern": null,
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"required": null,
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"value": null,
"wrapper": false
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"deprecated": false,
"documentation": "<p>Information about one or more images.</p>",
"flattened": false,
"idempotencyToken": false,
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"payload": false,
"queryName": null,
"shape": "ImageList",
"streaming": false,
"xmlNamespace": null
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"min": 0,
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  "documentation" : "<p>Contains the parameters for DescribeImportImageTasks.</p>",
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  "error" : null,
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  "fault" : false,
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  "key" : null,
  "max" : 0,
  "member" : null,
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      "documentation" : "<p>Filter tasks using the <code>task-state</code> filter and one of the following values: active, completed, deleting, deleted.</p>",
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      "idempotencyToken" : false,
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      "locationName" : null,
      "payload" : false,
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      "streaming" : false,
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      "idempotencyToken" : false,
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      "queryName" : null,
      "shape" : "ImportTaskIdList",
      "streaming" : false,
      "xmlNamespace" : null
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      "documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
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      "idempotencyToken" : false,
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      "shape" : "MaxResults",
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"streaming" : false,
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"xmlNamespace" : null
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"payload" : null,
"required" : null,
"streaming" : false,
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"value" : null,
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自己的文本
"payload" : false,
"queryName" : null,
"shape" : "ImportImageTaskList",
"streaming" : false,
"xmlNamespace" : null
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"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
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"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"documentation" : "<p>One or more filters.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"documentation" : "<p>A list of import snapshot task IDs.</p>",
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"idempotencyToken" : false,
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"locationName" : "ImportTaskId",
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"queryName" : null,
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"streaming" : false,
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"MaxResults" : {
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"documentation" : "<p>The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
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"idempotencyToken" : false,
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"payload" : false,
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"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"DescribeImportSnapshotTasksResult" : {
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  "documentation" : "<p>Contains the output for DescribeImportSnapshotTasks.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ImportSnapshotTasks" : {
      "deprecated" : false,
      "documentation" : "<p>A list of zero or more import snapshot tasks that are currently active or were completed or canceled in the previous 7 days.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "importSnapshotTaskSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "ImportSnapshotTaskList",
      "streaming" : false,
      "xmlnsNamespace" : null
    },
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "<p>The token to use to get the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "nextToken",
      "payload" : false,
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      "streaming" : false,
      "xmlnsNamespace" : null
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}
"DescribeInstanceAttributeRequest" : {
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  "documentation" : "<p>Contains the parameters for DescribeInstanceAttribute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Attribute" : {
      "deprecated" : false,
      "documentation" : "<p>The instance attribute.</p> <p>Note: The <code>enaSupport</code> attribute is not supported at this time.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "attribute",
      "payload" : false,
      "queryName" : null,
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      "streaming" : false,
      "xmlNamespace" : null
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    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
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      "locationName" : "instanceId",
      "payload" : false,
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  }
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"required" : null,
"streaming" : false,
"xmlNamespace" : null
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"type" : "structure",
"value" : null,
"wrapper" : false
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  "deprecated" : false,
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  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
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  "deprecated" : false,
  "documentation" : "<p>Describes an instance attribute.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
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  "streaming" : false,
  "xmlNamespace" : null
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"DescribeInstanceStatusRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeInstanceStatus.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : []
"Filters" : {
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul>
  <li><code>availability-zone</code></li>
  <li><code>event.code</code></li>
  <li><code>event.description</code></li>
  <li><code>event.not-after</code></li>
  <li><code>event.not-before</code></li>
  <li><code>instance-state-code</code></li>
  <li><code>instance-state-name</code></li>
  <li><code>instance-status.reachability</code></li>
  <li><code>instance-status.status</code></li>
  <li><code>system-status.reachability</code></li>
  <li><code>system-status.status</code></li>
</ul>
- The Availability Zone of the instance.
- The code for the scheduled event (for example, events: "instance-reboot", "system-reboot", "system-maintenance", "instance-retirement", "instance-stop").
- The latest end time for the scheduled event (for example, "2014-09-15T17:15:20.000Z").
- The earliest start time for the scheduled event (for example, "2014-09-15T17:15:20.000Z").
- The state of the instance ("pending", "running", "shutting-down", "terminated", "stopped").
- The state of instance status where the name is "reachability".
- Filters on instance status where the name is "status".
- Filters on system status where the name is "reachability".
- Filters on system status where the name is "status".
- The system status of the instance ("ok", "impaired", "insufficient-data").
- When true, includes the health status for all instances.
"IncludeAllInstances" : false,
"idempotencyToken" : false,
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"locationName" : "Filter",
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"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"IncludeAllInstances" : {
  "deprecated" : false,
  "documentation" : "When <code>true</code>, includes the health status for all instances. When
<p><code>false</code>, includes the health status for running instances only. Default: <code>false</code>, includes the health status for running instances only. Default: <code>false</code>.</p>

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "includeAllInstances",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
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"xmlNamespace" : null
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"InstanceIds" : {
"deprecated" : false,
"documentation" : "One or more instance IDs. Default: Describes all your instances."
Constraints: Maximum 100 explicitly specified instance IDs.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "InstanceId",
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"shape" : "InstanceIdStringList",
"streaming" : false,
"xmlNamespace" : null
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"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call."
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"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null

"DescribeInstanceStatusResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeInstanceStatus.</p>",
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  "error" : null,
  "exception" : false,
  "fault" : false,
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  "member" : null,
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      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceStatusSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceStatusList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
    }
  }
}
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"queryName": null,
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"exception": false,
"fault": false,
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"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul> <li> <p> <code>affinity</code> - The affinity setting for an instance running on a Dedicated Host (<code>default</code> | <code>host</code>).)</p> </li> <li> <p> <code>architecture</code> - The instance architecture (<code>i386</code> | <code>x86_64</code>).)</p> </li> 
<li> <p> <code>association.public-ip</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p> </li> 
<li> <p> <code>association.ip-owner-id</code> - The owner of the Elastic IP address (IPv4) associated with the network interface.</p> </li> 
<li> <p> <code>association.association-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p> </li> 
<li> <p> <code>association-association-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p> </li> 
<li> <p> <code>availability-zone</code> - The Availability Zone of the instance.</p> </li> 
<li> <p> <code>block-device-mapping.attach-time</code> - The attach time for an EBS volume mapped to the instance, for example, <code>2010-09-15T17:15:20.000Z</code>.)</p> </li> 
<li> <p> <code>block-device-mapping.delete-on-termination</code> - A Boolean that indicates whether the EBS volume is deleted on instance termination.</p> </li> 
<li> <p> <code>block-device-mapping.device-name</code> - The device name for the EBS volume (for example, <code>/dev/sdh</code> or <code>xvdh</code>).)</p> </li> 
<li> <p> <code>block-device-mapping.status</code> - The status for the EBS volume (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>).)</p> </li> 
<li> <p> <code>block-device-mapping.volume-id</code> - The volume ID of the EBS volume.</p> </li> 
<li> <p> <code>client-token</code> - The idempotence
<table>
<thead>
<tr>
<th>Token/Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>token</td>
<td>The token you provided when you launched the instance.</td>
</tr>
<tr>
<td>dns-name</td>
<td>The public DNS name of the instance.</td>
</tr>
<tr>
<td>group-id</td>
<td>The ID of the security group for the instance.</td>
</tr>
<tr>
<td>group-name</td>
<td>The name of the security group for the instance.</td>
</tr>
<tr>
<td>host-id</td>
<td>The ID of the Dedicated Host on which the instance is running, if applicable.</td>
</tr>
<tr>
<td>hypervisor</td>
<td>The hypervisor type of the instance.</td>
</tr>
<tr>
<td>ovm</td>
<td>- The ID of the image used to launch the instance.</td>
</tr>
<tr>
<td>xen</td>
<td>- The state of the instance, as a 16-bit unsigned integer.</td>
</tr>
<tr>
<td>iam-instance-profile</td>
<td>- The state of the instance, as a 16-bit unsigned integer.</td>
</tr>
<tr>
<td>instance-lifecycle</td>
<td>Indicates whether this is a Spot Instance or a Scheduled Instance.</td>
</tr>
<tr>
<td>instance-id</td>
<td>- Indicates whether detailed monitoring is enabled.</td>
</tr>
<tr>
<td>instance-state-code</td>
<td>- The status of the network interface attachment.</td>
</tr>
<tr>
<td>instance-state-name</td>
<td>- The public IPv4 address of the instance.</td>
</tr>
<tr>
<td>instance-type</td>
<td>- The kernel ID.</td>
</tr>
<tr>
<td>key-name</td>
<td>The name of the key pair used when the instance was launched.</td>
</tr>
<tr>
<td>launch-index</td>
<td>- The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>launch-time</td>
<td>- The time that the network interface was attached to an instance.</td>
</tr>
<tr>
<td>monitoring-state</td>
<td>Indicates whether detailed monitoring is enabled.</td>
</tr>
<tr>
<td>ipv6-address</td>
<td>The IPv6 address associated with the network interface.</td>
</tr>
<tr>
<td>network-interface</td>
<td>- The device index to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment-instance</td>
<td>- The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment-status</td>
<td>- The status of the attachment.</td>
</tr>
<tr>
<td>attached</td>
<td>- The time that the network interface was attached to an instance.</td>
</tr>
<tr>
<td>detach-time</td>
<td>- The Availability Zone for the network interface.</td>
</tr>
<tr>
<td>availability-zone</td>
<td>- The description of the network interface.</td>
</tr>
<tr>
<td>mac-address</td>
<td>The ID of a security group associated with the network interface.</td>
</tr>
<tr>
<td>ipv6-address</td>
<td>The MacBook address associated with the network interface.</td>
</tr>
<tr>
<td>ip-address</td>
<td>- The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>group-id</td>
<td>- The status of the attachment.</td>
</tr>
<tr>
<td>group-name</td>
<td>- The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>ipv6-address</td>
<td>- The ID of the network interface.</td>
</tr>
<tr>
<td>owner-id</td>
<td>- The ID of the owner of the network interface.</td>
</tr>
</tbody>
</table>
interface.</p> <li> <p> <code>network-interface.private-dns-name</code> - The private DNS name of the network interface.</p> </li> <li> <p> <code>network-interface.requester-id</code> - The requester ID for the network interface.</p> </li> <li> <p> <code>network-interface.requester-managed</code> - Indicates whether the network interface is being managed by AWS.</p> </li> <li> <p> <code>network-interface.status</code> - The status of the network interface (available | in-use).</p> </li> <ul><li> <p> <code>network-interface.source-dest-check</code> - Whether the network interface performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the network interface to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>network-interface.subnet-id</code> - The ID of the subnet for the network interface.</p> </li> <li> <p> <code>network-interface.vpc-id</code> - The ID of the VPC for the network interface.</p> </li> <li> <p> <code>owner-id</code> - The AWS account ID of the instance owner.</p> </li> <li> <p> <code>placement-group-name</code> - The name of the placement group for the instance.</p> </li> <li> <p> <code>platform</code> - The platform. Use windows if you have Windows instances; otherwise, leave blank.</p> </li> <li> <p> <code>private-dns-name</code> - The private IPv4 DNS name of the instance.</p> </li> <li> <p> <code>private-ip-address</code> - The private IPv4 address of the instance.</p> </li> <li> <p> <code>product-code</code> - The product code associated with the AMI used to launch the instance.</p> </li> <li> <p> <code>product-code.type</code> - The type of product code (devpay | marketplace).</p> </li> <li> <p> <code>ramdisk-id</code> - The RAM disk ID.</p> </li> <li> <p> <code>reason</code> - The reason for the current state of the instance (for example, shows "User Initiated [date]" when you stop or terminate the instance). Similar to the state-reason-code filter.</p> </li> <li> <p> <code>requester-id</code> - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).</p> </li> <li> <p> <code>reservation-id</code> - The ID of the instance's reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you'll get one reservation ID. If you launch ten instances using the same launch request, you'll also get one reservation ID.</p> </li> <li> <p> <code>root-device-name</code> - The name of the root device for the instance (for example, /dev/sda1 or /dev/xvda).</p> </li> <li> <p> <code>root-device-type</code> - The type of root device that the instance uses (ebs | instance-store).</p> </li> <li> <p> <code>source-dest-check</code> - Indicates whether the instance performs source/destination checking. A value of true means checking is enabled, and false means checking is disabled. The value must be false for the instance to perform network address translation (NAT) in your VPC.</p> </li> <li> <p> <code>spot-instance-request-id</code> - The ID of the Spot instance request.</p> </li> </ul>
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"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
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"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"deprecated" : false,
"documentation" : "The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter or tag filters in the same call.",
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"payload" : false,
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"xmlNamespace" : null
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"documentation" : "The token to request the next page of results.",
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"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "String"
"streaming" : false,
"xmlNamespace" : null
}
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"documentation" : "<p>Contains the output of DescribeInstances.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
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"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"documentation" : "<p>Zero or more reservations.</p>",
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"streaming" : false,
"xmlNamespace" : null
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"streaming": false,
"xmlNamespace": null
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"type": "structure",
"value": null,
"wrapper": false
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"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeInternetGateways.</p>",
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
   <li><code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (available). Present only if a VPC is attached.</li>
   <li><code>attachment.vpc-id</code> - The ID of an attached VPC.</li>
   <li><code>internet-gateway-id</code> - The ID of the Internet gateway.</li>
   <li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
   <li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
   <li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
</ul>
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"streaming": false,
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  "documentation": "One or more Internet gateway IDs. Default: Describes all your Internet gateways.",
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  "payload": false,
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  "streaming": false,
  "xmlnsNamespace": null
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"value": null,
"wrapper": false
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
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      "deprecated": false,
      "documentation": "Information about one or more Internet gateways.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "internetGatewaySet",
      "payload": false,
      "queryName": null,
      "shape": "ValueStringList",
      "streaming": false,
      "xmlnsNamespace": null
    }
  }
}
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"streaming" : false,
"xmlNamespace" : null
}
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"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"DescribeKeyPairsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeKeyPairs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li> <p> <code>fingerprint</code> - The fingerprint of the key pair.</p></li> 
<li> <p> <code>key-name</code> - The name of the key pair.</p></li> </ul>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
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"KeyNames" : {
"deprecated" : false,
"documentation" : "<p>One or more key pair names.</p> <p>Default: Describes all your key pairs.</p>",
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"idempotencyToken" : false,
"location" : null,
"locationName" : "KeyName",
"payload" : "KeyName",
"streaming" : false,
"queryName" : null,
"shape" : "KeyNameStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeKeyPairs.</p>",
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"max" : 0,
"member" : null,
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"deprecated" : false,
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"idempotencyToken" : false,
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"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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  "documentation": "<p>Contains the parameters for DescribeMovingAddresses.</p>",
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p> <ul>
        <li> <p> <code>moving-status</code> - The status of the Elastic IP address (<code>MovingToVpc</code> | <code>RestoringToClassic</code>). </p> </li>
      </ul>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "filter",
      "payload": false,
      "queryName": null,
      "shape": "FilterList",
      "streaming": false,
      "xmlNamespace": null
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    "MaxResults": {
      "deprecated": false,
      "documentation": "<p>The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value outside of this range, an error is returned.</p> <p>Default: If no value is provided, the default is 1000.</p>",
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      "idempotencyToken": false,
      "location": null,
      "locationName": "maxResults",
      "payload": false,
      "queryName": null,
      "shape": "Integer",
      "streaming": false,
      "xmlNamespace": null
    },
    "NextToken": {
      "deprecated": false,
      "documentation": "<p>The token to use to retrieve the next page of results.</p>",
      "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null}
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"PublicIps" : {
"deprecated" : false,
"documentation" : "<p>One or more Elastic IP addresses.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "publicIp",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"documentation" : "<p>Contains the output of DescribeMovingAddresses.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"MovingAddressStatuses" : {
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"documentation" : "<p>The status for each Elastic IP address.</p>",
"flattened" : false,
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"payload": false,
"queryName": null,
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"streaming": false,
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"location": null,
"locationName": "nextToken",
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"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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],
"min": 0,
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"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DescribeNatGatewaysRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeNatGateways.</p>",
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filter": {
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul> <li> <code>nat-gateway-id</code> - The ID of the
NAT gateway. The state of the NAT gateway (pending | failed | available | deleting | deleted).

- **state**: The state of the NAT gateway (pending | failed | available | deleting | deleted).
- **subnet-id**: The ID of the subnet in which the NAT gateway resides.
- **vpc-id**: The ID of the VPC in which the NAT gateway resides.

**Shape**:
```json
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "FilterList",
"streaming": false,
"xmlNamespace": null
```

**MaxResults**:
```json
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
```

**NatGatewayIds**:
```json
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
```

**NextToken**:
```json
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"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
```

The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value specified is greater than 1000, we return only 1000 items.

One or more NAT gateway IDs.

The token to retrieve the next page of results.

The state of the NAT gateway (pending | failed | available | deleting | deleted).
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"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
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"type": "structure",
"value": null,
"wrapper": false
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"deprecated": false,
"documentation": "\p>Contains the output of DescribeNatGateways.</p>",
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
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"deprecated": false,
"documentation": "\p>Information about the NAT gateways.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "natGatewaySet",
"payload": false,
"queryName": null,
"shape": "NatGatewayList",
"streaming": false,
"xmlNamespace": null
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"NextToken": {
"deprecated": false,
"documentation": "\p>The token to use to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
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"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeNetworkAcls.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.</p> <ul>
<li><code>association.association-id</code> - The ID of an association ID for the ACL.</li>
<li><code>association.network-acl-id</code> - The ID of the network ACL involved in the association.</li>
<li><code>association.subnet-id</code> - The ID of the subnet involved in the association.</li>
<li><code>default</code> - Indicates whether the ACL is the default network ACL for the VPC.</li>
<li><code>entry.cidr</code> - The IPv4 CIDR range specified in the entry.</li>
<li><code>entry.egress</code> - Indicates whether the entry applies to egress traffic.</li>
<li><code>entry.icmp.code</code> - The ICMP code specified in the entry, if any.</li>
<li><code>entry.icmp.type</code> - The ICMP type specified in the entry, if any.</li>
<li><code>entry.ipv6-cidr</code> - The IPv6 CIDR range specified in the entry.</li>
<li><code>entry.port-range.from</code> - The start of the port range specified in the entry.</li>
<li><code>entry.port-range.to</code> - The end of the port range specified in the entry.</li>
<li><code>entry.protocol</code> - The protocol specified in the entry (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li>
<li><code>entry.rule-action</code> - Allows or denies the matching traffic (<code>allow</code> | <code>deny</code>).</li>
<li><code>entry.rule-number</code> - The number of an entry (in other words, rule) in the ACL's set of entries.</li>
<li><code>network-acl-id</code> - The ID of the network ACL.</li>
</ul>"}
}
The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
<li><code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</li>
<li><code>vpc-id</code> - The ID of the VPC for the network ACL.</li>
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      "idempotencyToken": false,
    }
  ]
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"queryName" : null,
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"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
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"deprecated": false,
"documentation": "<p>One or more filters.</p> 
<ul> 
<li><p><code>addresses.private-ip-address</code> - The private IPv4 addresses associated with the network interface.</p></li> 
<li><p><code>addresses.private-address</code> - Whether the private IPv4 address is the primary IP address associated with the network interface.</p></li> 
<li><p><code>addresses.association.public-ip</code> - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).</p></li> 
<li><p><code>addresses.association.owner-id</code> - The owner of the addresses associated with the network interface.</p></li> 
<li><p><code>addresses.association.ip-owner-id</code> - The association ID returned when the network interface was associated with an IPv4 address.</p></li> 
<li><p><code>addresses.association.ip-association-id</code> - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.</p></li> 
<li><p><code>addresses.association.ip-dns-name</code> - The address of the Elastic IP address (IPv4) bound to the network interface.</p></li> 
</ul> 
"<p>The public

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<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>attachment.attachment-id</td>
<td>The ID of the attachment.</td>
</tr>
<tr>
<td>attachment.attach.time</td>
<td>The time that the network interface was attached to an instance.</td>
</tr>
<tr>
<td>attachment.delete-on-termination</td>
<td>Indicates whether the attachment is deleted when an instance is terminated.</td>
</tr>
<tr>
<td>attachment.device-index</td>
<td>The device index to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.instance-id</td>
<td>The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.instance-owner-id</td>
<td>The owner ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.nat-gateway-id</td>
<td>The ID of the NAT gateway to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.status</td>
<td>The status of the attachment.</td>
</tr>
<tr>
<td>attachment.attach.time</td>
<td>The time that the network interface was attached to an instance.</td>
</tr>
<tr>
<td>attachment.device-index</td>
<td>The device index to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.instance-id</td>
<td>The ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.instance-owner-id</td>
<td>The owner ID of the instance to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.nat-gateway-id</td>
<td>The ID of the NAT gateway to which the network interface is attached.</td>
</tr>
<tr>
<td>attachment.status</td>
<td>The status of the attachment.</td>
</tr>
<tr>
<td>availability-zone</td>
<td>The Availability Zone of the network interface.</td>
</tr>
<tr>
<td>description</td>
<td>The description of the network interface.</td>
</tr>
<tr>
<td>group-id</td>
<td>The ID of a security group associated with the network interface.</td>
</tr>
<tr>
<td>group-name</td>
<td>The name of a security group associated with the network interface.</td>
</tr>
<tr>
<td>ip-v6-addresses.ip-v6-address</td>
<td>An IPv6 address associated with the network interface.</td>
</tr>
<tr>
<td>mac-address</td>
<td>The MAC address of the network interface.</td>
</tr>
<tr>
<td>network-interface-id</td>
<td>The ID of the network interface.</td>
</tr>
<tr>
<td>owner-id</td>
<td>The AWS account ID of the network interface owner.</td>
</tr>
<tr>
<td>private-ip-address</td>
<td>The private IPv4 address or addresses of the network interface.</td>
</tr>
<tr>
<td>private-dns-name</td>
<td>The private DNS name of the network interface (IPv4).</td>
</tr>
<tr>
<td>requester-id</td>
<td>The ID of the entity that launched the instance on your behalf.</td>
</tr>
<tr>
<td>requester-managed</td>
<td>Indicates whether the network interface is being managed by an AWS service.</td>
</tr>
<tr>
<td>source-desk-check</td>
<td>Indicates whether the network interface performs source/destination checking.</td>
</tr>
<tr>
<td>status</td>
<td>The status of the network interface. If the network interface is not attached to an instance, the status is available if a network interface is attached to an instance the status is in-use. The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify &quot;tag:Purpose&quot; for the filter name and &quot;X&quot; for the filter value. If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter &quot;tag-key=Purpose&quot; and the filter &quot;tag-value=X&quot;, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X</td>
</tr>
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      "documentation" : "Information about one or more network interfaces."
      
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      "idempotencyToken" : false,
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      "locationName" : "networkInterfaceSet",
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"streaming" : false,
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call.)</p>

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"flattened" : false,
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"max" : 0,
"member" : null,
"members" : {
"Filters" : {

One or more filters.

- **endpoint** - The endpoint of the region (for example, `ec2.us-east-1.amazonaws.com`).
- **region-name** - The name of the region (for example, `us-east-1`).

- **location**
- **locationName** - "Filter",
- **payload**
- **queryName**
- **shape** - "FilterList",
- **streaming**
- **xmlNamespace""
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      "wrapper": false
    }
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<ul><li><code>availability-zone</code> - The Availability Zone for the new Reserved Instances.</li>
<li><code>modification-result.target-configuration.instance-count</code> - The number of new Reserved Instances.</li>
<li><code>modification-result.target-configuration.instance-type</code> - The instance type of the new Reserved Instances.</li>
<li><code>modification-result.target-configuration.platform</code> - The network platform of the new Reserved Instances (<code>EC2-Classic</code> | <code>EC2-VPC</code>).</li>
<li><code>reserved-instances-id</code> - The ID of the Reserved Instances modified.</li>
<li><code>reserved-instances-modification-id</code> - The ID of the modification request.</li>
<li><code>status</code> - The status of the Reserved Instances modification request (<code>processing</code> | <code>fulfilled</code> | <code>failed</code>).</li>
<li><code>update-date</code> - The time when the modification request was last updated.</li>
</ul>

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  "locationName" : "nextToken",
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  "queryName" : null,
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  "queryName" : null,
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  "streaming" : false,
  "xmlNamespace" : null
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"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"shape" : "String",
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"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesModificationList",
"streaming" : false,
"xmlNamespace" : null
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DescribeReservedInstancesOfferingsRequest: {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeReservedInstancesOfferings.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AvailabilityZone": {
      "deprecated": false,
      "documentation": "<p>The Availability Zone in which the Reserved Instance can be used.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Filters": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p> <ul> <li><code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</li> <li><code>duration</code> - The duration of the Reserved Instance (for example, one year or three years), in seconds (94608000 | 31536000).</li> <li><code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).</li> <li><code>instance-type</code> - The instance type that is covered by the reservation.</li> <li><code>marketplace</code> - Set to <code>true</code> to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.</li> <li><code>product-description</code> - The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (Linux/UNIX) | Linux/UNIX (Amazon VPC) | SUSE..."}},
<table>
<thead>
<tr>
<th>Linux</th>
<th>SUSE Linux (Amazon VPC)</th>
<th>Red Hat Enterprise Linux</th>
<th>Windows (Amazon VPC)</th>
<th>Windows with SQL Server Standard (Amazon VPC)</th>
<th>Windows with SQL Server Web (Amazon VPC)</th>
<th>Windows with SQL Server Enterprise (Amazon VPC)</th>
</tr>
</thead>
</table>

- The Reserved Instances offering ID.
- The scope of the Reserved Instance (Availability Zone or Region).
- The usage price of the Reserved Instance, per hour (for example, 0.84).
"deprecated": false,
"documentation": "<p>The instance type that the reservation will cover (for example, 
<code>m1.small</code>). For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the 
<i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"MaxDuration": {
"deprecated": false,
"documentation": "<p>The maximum duration (in seconds) to filter when searching for offerings.</p>
<p>Default: 94608000 (3 years)</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Long",
"streaming": false,
"xmlNamespace": null
},
"MaxInstanceCount": {
"deprecated": false,
"documentation": "<p>The maximum number of instances to filter when searching for offerings.</p>
<p>Default: 20</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "<p>The maximum number of results to return for the request in a single page. The 
remaining results of the initial request can be seen by sending another request with the returned 
<code>NextToken</code> value. The maximum is 100.</p>
<p>Default: 100</p>"
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"locationName" : "maxResults",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"MinDuration" : {
"deprecated" : false,
"documentation" : "<p>The minimum duration (in seconds) to filter when searching for offerings.</p>
<p>Default: 2592000 (1 month)</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
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"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
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"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"OfferingClass" : {
"deprecated" : false,
"documentation" : "<p>The offering class of the Reserved Instance. Can be <code>standard</code> or <code>convertible</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "OfferingClassType",
The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.

The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.

One or more Reserved Instances offering IDs.

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"xmlNamespace" : null
},
"OfferingType" : {
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"documentation" : "<p>The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the <code>Medium Utilization</code> Reserved Instance offering type.\</p>",
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"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "OfferingTypeValues",
"streaming" : false,
"xmlNamespace" : null
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"ProductDescription" : {
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"documentation" : "<p>The Reserved Instance product platform description. Instances that include <code>(Amazon VPC)</code> in the description are for use with Amazon VPC.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "RIProductDescription",
"streaming" : false,
"xmlNamespace" : null
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"deprecated" : false,
"documentation" : "<p>One or more Reserved Instances offering IDs.\</p>",
"flattened" : false,
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"locationName" : "ReservedInstancesOfferingId",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesOfferingIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
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"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"documentation" : "<p>Contains the output of DescribeReservedInstancesOfferings.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
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"documentation" : "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"ReservedInstancesOfferings" : {
"deprecated" : false,
"documentation" : "<p>A list of Reserved Instances offerings.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesOfferingsSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesOfferingList",
"streaming" : false,
"xmlNamespace" : null
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},
"min" : 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DescribeReservedInstancesRequest": {
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"documentation": "<p>Contains the parameters for DescribeReservedInstances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "<p>One or more filters.\</p>\<ul>\<li>\<p>\<code>availability-zone</code> - The Availability Zone where the Reserved Instance can be used.</p>\</li>\<li>\<p>\<code>duration</code> - The duration of the Reserved Instance (one year or three years), in seconds (<code>31536000</code> | <code>94608000</code>).\</p>\</li>\<li>\<p>\<code>end</code> - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).\</p>\</li>\<li>\<p>\<code>fixed-price</code> - The purchase price of the Reserved Instance (for example, 9800.0).\</p>\</li>\<li>\<p>\<code>instance-type</code> - The instance type that is covered by the reservation.\</p>\</li>\<li>\<p>\<code>region</code> - The scope of the Reserved Instance (\<code>Region</code> or \<code>Availability Zone</code>).\</p>\</li>\<li>\<p>\<code>product-description</code> - The Reserved Instance product platform description. Instances that include \<code>(Amazon VPC)</code> in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC \(<code>SUSE Linux</code> | \<code>Red Hat Enterprise Linux</code> | \<code>Windows</code> | \<code>Windows with SQL Server Standard</code> | \<code>Windows with SQL Server Web</code> | \<code>Windows with SQL Server Enterprise</code> | \<code>Windows with SQL Server Enterprise (Amazon VPC)</code>).\</p>\</li>\<li>\<p>\<code>purpose</code> - The purpose of the Reserved Instance.\</p>\</li>\<li>\<p>\<code>state</code> - The state of the Reserved Instance (\<code>payment-pending</code> | \<code>active</code> | \<code>payment-failed</code> | \<code>retired</code>).\</p>\</li>\<li>\<p>\<code>tag-key</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify \<code>tag:Purpose</code> for the filter name and \<code>X</code> for the filter value.\</p>\</li>\<li>\<p>\<code>tag-value</code> - The key of a tag assigned to the resource. This filter is independent of the \<code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X1\", you get any resources assigned both the tag key Purpose
(regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter. The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. The usage price of the Reserved Instance, per hour (for example, 0.84).
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"DescribeReservedInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for DescribeReservedInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstances" : {
"deprecated" : false,
"documentation" : "<p>A list of Reserved Instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesList",
"streaming" : false,
"xmlNamespace" : null
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},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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  "documentation": "<p>Contains the parameters for DescribeRouteTables.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "documentation": "<p>One or more filters.</p>\n      <ul>
        <li><code>association.route-table-association-id</code> - The ID of an association ID for the route table.</li>
        <li><code>association.route-table-id</code> - The ID of the route table involved in the association.</li>
        <li><code>association.subnet-id</code> - The ID of the subnet involved in the association.</li>
        <li><code>association.main</code> - Indicates whether the route table is the main route table for the VPC.</li>
        <li><code>route-table-id</code> - The ID of the route table.</li>
        <li><code>route.destination-cidr-block</code> - The IPv4 CIDR range specified in a route in the table.</li>
        <li><code>route.destination-ipv6-cidr-block</code> - The IPv6 CIDR range specified in a route in the route table.</li>
        <li><code>route.destination-prefix-list-id</code> - The ID (prefix) of the AWS service specified in a route in the table.</li>
        <li><code>route.egress-only-internet-gateway-id</code> - The ID of an egress-only Internet gateway specified in a route in the route table.</li>
        <li><code>route.gateway-id</code> - The ID of a gateway specified in a route in the table.</li>
        <li><code>route.instance-id</code> - The ID of an instance specified in a route in the table.</li>
        <li><code>route.nat-gateway-id</code> - The ID of a NAT gateway.</li>
        <li><code>route.origin</code> - Describes how the route was created.</li>
        <li><code>route.state</code> - The state of a route in the route table.</li>
        <li><code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>-purpose=X</code> for the filter value.</li>
        <li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "\tag-key=Purpose" and the filter "\tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</li>
      </ul>
    }
  }
};
value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.

- <code>vpc-id</code> - The ID of the VPC for the route table.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
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"RouteTableIds" : {
"deprecated" : false,
"documentation" : "<p>One or more route table IDs. Default: Describes all your route tables.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "RouteTableId",
"payload" : false,
"queryString" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
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"DescribeRouteTablesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeRouteTables.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"RouteTables" : {
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"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Filters": {
    "deprecated": false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "Filter",
"payload": false,
"queryName": null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
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"FirstSlotStartDateTimeRange" : {
"deprecated" : false,
"documentation" : "<p>The time period for the first schedule to start.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "SlotDateTimeRangeRequest",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"MaxSlotDurationInHours" : {
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"documentation" : "<p>The maximum available duration, in hours. This value must be greater than <code>MinSlotDurationInHours</code> and less than 1,720.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"MinSlotDurationInHours" : {
"deprecated" : false,
"documentation" : "<p>The minimum available duration, in hours. This value must be greater than <code>MaxSlotDurationInHours</code> and less than 1,720.</p>"}
"documentation": "The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.",
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"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
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"NextToken": {
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"documentation": "The token for the next set of results.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"Recurrence": {
"deprecated": false,
"documentation": "The schedule recurrence.",
"flattened": false,
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"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "ScheduledInstanceRecurrenceRequest",
"streaming": false,
"xmlNamespace": null
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],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Recurrence", "FirstSlotStartTimeRange" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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  "documentation" : "<p>Contains the output of DescribeScheduledInstanceAvailability.</p>",
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  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return."
    },
    "ScheduledInstanceAvailabilitySet" : {
      "deprecated" : false,
      "documentation" : "Information about the available Scheduled Instances."
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
}
"wrapper": false
},
"DescribeScheduledInstancesRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeScheduledInstances.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "Filter",
      "payload": false,
      "queryName": null,
      "shape": "FilterList",
      "streaming": false,
      "xmlns": "null"
    },
    "MaxResults": {
      "deprecated": false,
      "documentation": "<p>The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "Integer",
      "streaming": false,
      "xmlns": "null"
    },
    "NextToken": null
  }
}
"deprecated" : false,
"documentation" : "&lt;p&gt;The token for the next set of results.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"ScheduledInstanceIds" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;One or more Scheduled Instance IDs.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ScheduledInstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ScheduledInstanceIdRequestSet",
  "streaming" : false,
  "xmlNamespace" : null
}

"SlotStartTimeRange" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The time period for the first schedule to start.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "SlotStartTimeRangeRequest",
  "streaming" : false,
  "xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"DescribeScheduledInstancesResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DescribeScheduledInstances.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "NextToken" : {
            "deprecated" : false,
            "documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return."",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "nextToken",
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            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "ScheduledInstanceSet" : {
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            "documentation" : "Information about the Scheduled Instances.",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "scheduledInstanceSet",
            "payload" : false,
            "queryName" : null,
            "shape" : "ScheduledInstanceSet",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
}
"DescribeSecurityGroupReferencesRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GroupId" : {
"deprecated" : false,
"documentation" : "<p>One or more security group IDs in your account.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "GroupId",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSecurityGroupReferencesResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {

"SecurityGroupReferenceSet" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the VPCs with the referencing security groups.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "securityGroupReferenceSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "SecurityGroupReferences",
  "streaming" : false,
  "xmlNamespace" : null
},

"DescribeSecurityGroupsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSecurityGroups.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "<p>One or more filters. If using multiple filters for rules, the results include security groups for which any combination of rules - not necessarily a single rule - match all filters.</p> <ul>
<li><code>description</code> - The description of the security group.</li>
<li><code>egress.ip-permission.prefix-list-id</code> - The ID (prefix) of the AWS service to which the security group allows access.</li>
<li><code>group-id</code> - The ID of the security group.</li>
<li><code>group-name</code> - The name of the security group.</li>
<li><code>ip-permission.cidr</code> - An IPv4 CIDR range that has been granted permission in a security group rule.</li>
<li><code>ip-permission.from-port</code> - The start of port range for the TCP and UDP protocols, or an ICMP type number.</li>
<li><code>ip-permission.group-id</code> - The ID of a security group that has been granted permission.</li>
<li><code>ip-permission.group-name</code> - The name of a security group that has been granted permission.</li>
<li><code>ip-permission.ipv6-cidr</code> - An IPv6 CIDR range

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that has been granted permission in a security group rule.</li><li><p><code>ip-permission.protocol</code>- The IP protocol for the permission (<code>tcp</code> | <code>udp</code> | <code>icmp</code> or a protocol number).</li><li><p><code>ip-permission.to-port</code>- The end of port range for the TCP and UDP protocols, or an ICMP code.</li><li><p><code>ip-permission.user-id</code>- The ID of an AWS account that has been granted permission.</li><li><p><code>owner-id</code>- The AWS account ID of the owner of the security group.</li><li><p><code>tag-key</code>- The key of a tag assigned to the security group.</li><li><p><code>tag-value</code>- The value of a tag assigned to the security group.</li><li><p><code>vpc-id</code>- The ID of the VPC specified when the security group was created.</li>

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"GroupIds" : {
  "deprecated" : false,
  "documentation" : "One or more security group IDs. Required for security groups in a nondefault VPC.
  Default: Describes all your security groups.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "GroupId",
  "payload" : false,
  "queryName" : null,
  "shape" : "GroupIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"GroupNames" : {
  "deprecated" : false,
  "documentation" : "EC2-Classic and default VPC only] One or more security group names. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the <code>group-name</code> filter to describe security groups by name.
  Default: Describes all your security groups.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "GroupName",
  "payload" : false,
  "queryName" : null,
  "shape" : "GroupNameStringList",
  "streaming" : false,
  "xmlNamespace" : null
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"documentation": "<p>Contains the parameters for DescribeSnapshotAttribute.</p>",
.enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Attribute": {
    "deprecated": false,
    "documentation": "<p>The snapshot attribute you would like to view.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "SnapshotAttributeName",
    "streaming": false,
    "xmlNamespace": null
  },
  "SnapshotId": {
    "deprecated": false,
    "documentation": "<p>The ID of the EBS snapshot.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "SnapshotId", "Attribute" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeSnapshotAttributeResult": {
  "deprecated": false,
"documentation": "<p>Contains the output of DescribeSnapshotAttribute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "CreateVolumePermissions": {
    "deprecated": false,
    "documentation": "<p>A list of permissions for creating volumes from the snapshot.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "createVolumePermission",
    "payload": false,
    "queryName": null,
    "shape": "CreateVolumePermissionList",
    "streaming": false,
    "xmlns": null
  },
  "ProductCodes": {
    "deprecated": false,
    "documentation": "<p>A list of product codes.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "productCodes",
    "payload": false,
    "queryName": null,
    "shape": "ProductCodeList",
    "streaming": false,
    "xmlns": null
  },
  "SnapshotId": {
    "deprecated": false,
    "documentation": "<p>The ID of the EBS snapshot.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "snapshotId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlns": null
  }
},
"name": "DescribeSnapshotAttributeResponse",
"operation": "DescribeSnapshotAttribute",
"parameters": {}
}
"DescribeSnapshotsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSnapshots.</p>", 
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
      "documentation" : "One or more filters.
<ul>
<li><code>description</code> - A description of the snapshot.</li>
<li><code>owner-alias</code> - Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</li>
<li><code>owner-id</code> - The ID of the AWS account that owns the snapshot.</li>
<li><code>progress</code> - The progress of the snapshot, as a percentage (for example, 80%).</li>
<li><code>snapshot-id</code> - The snapshot ID.</li>
<li><code>start-time</code> - The time stamp when the snapshot was initiated.</li>
<li><code>status</code> - The status of the snapshot</li>
<li><code>tag:Purpose</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</li>
<li><code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose\" and the filter "tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the</li>
<li><code>tag-volume-id</code> - The ID of the volume the snapshot is for.</li>
<li><code>volume-size</code> - The size of the volume, in GiB.</li>
<li>"flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
  }
},
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
  "deprecated" : false,
  "documentation" : "The maximum number of snapshot results returned by <code>DescribeSnapshots</code> in paginated output. When this parameter is used, <code>DescribeSnapshots</code> only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeSnapshots</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a value larger than 1000, only 1000 results are returned. If this parameter is not used, then <code>DescribeSnapshots</code> returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request."",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "The <code>NextToken</code> value returned from a previous paginated <code>DescribeSnapshots</code> request where <code>MaxResults</code> was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the <code>NextToken</code> value. This value is <code>null</code> when there are no more results to return."",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerIds" : {
  "deprecated" : false,
  "documentation" : "Returns the snapshots owned by the specified owner. Multiple owners can be specified."",
  "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "Owner",
"payload": false,
"queryName": null,
"shape": "OwnerStringList",
"streaming": false,
"xmlNamespace": null
},
"RestorableByUserIds": {
"deprecated": false,
"documentation": "One or more AWS accounts IDs that can create volumes from the snapshot.\n", 
"idempotencyToken": false,
"location": null,
"locationName": "RestorableBy",
"payload": false,
"queryName": null,
"shape": "RestorableByStringList",
"streaming": false,
"xmlNamespace": null
},
"SnapshotIds": {
"deprecated": false,
"documentation": "One or more snapshot IDs.\n\nDefault: Describes snapshots for which you have launch permissions.\n", 
"idempotencyToken": false,
"location": null,
"locationName": "SnapshotId",
"payload": false,
"queryName": null,
"shape": "SnapshotIdStringList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,"DescribeSnapshotsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeSnapshots.</p> ",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "NextToken": {
    "documentation": "<p>The <code>NextToken</code> value to include in a future <code>DescribeSnapshots</code> request. When the results of a <code>DescribeSnapshots</code> request exceed <code>MaxResults</code>, this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p> ",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "nextToken",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Snapshots": {
    "documentation": "<p>Information about the snapshots.</p> ",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "snapshotSet",
    "payload": false,
    "queryName": null,
    "shape": "SnapshotList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"DescribeSpotDatafeedSubscriptionRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotDatafeedSubscription.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},

"DescribeSpotDatafeedSubscriptionResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSpotDatafeedSubscription.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SpotDatafeedSubscription" : {
      "deprecated" : false,
      "documentation" : "<p>The Spot instance data feed subscription.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "SpotDatafeedSubscription",
      "payload" : false,
      "queryName" : null,
      "shape" : "SpotDatafeedSubscription",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}.
DescribeSpotFleetInstancesRequest:

- maxResults:
  - The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken.

- nextToken:
  - The token for the next set of results. The nextToken value is included in the output of a request only when the results returned do not fit in the MaxResults value.
"SpotFleetRequestId": {  
"deprecated": false,  
"documentation": "The ID of the Spot fleet request.\</p\>",  
"flattened": false,  
"idempotencyToken": false,  
"location": null,  
"locationName": "spotFleetRequestId",  
"payload": false,  
"queryName": null,  
"shape": "String",  
"streaming": false,  
"xmlNamespace": null  
},  
"min": 0,  
"pattern": null,  
"payload": null,  
"required": [ "SpotFleetRequestId" ],  
"streaming": false,  
"type": "structure",  
"value": null,  
"wrapper": false  
},  
"DescribeSpotFleetInstancesResponse": {  
"deprecated": false,  
"documentation": "Contains the output of DescribeSpotFleetInstances.\</p\>",  
"enum": null,  
"error": null,  
"exception": false,  
"fault": false,  
"flattened": false,  
"key": null,  
"max": 0,  
"member": null,  
"members": {  
"ActiveInstances": {  
"deprecated": false,  
"documentation": "The running instances. Note that this list is refreshed periodically and might be out of date.\</p\>",  
"flattened": false,  
"idempotencyToken": false,  
"location": null,  
"locationName": "activeInstanceSet",  
"payload": false,  
"queryName": null,  
"shape": "ActiveInstanceSet",  
"streaming": false,  
"xmlNamespace": null  
}  
}
"xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SpotFleetRequestId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SpotFleetRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId", "ActiveInstances" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetRequestHistoryRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotFleetRequestHistory.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max": 0,
"member": null,
"members": {
"EventType": {
"deprecated": false,
"documentation": "The type of events to describe. By default, all events are described."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "eventType",
"payload": false,
"queryName": null,
"shape": "EventType",
"streaming": false,
"xmlNamespace": null
},
"MaxResults": {
"deprecated": false,
"documentation": "The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "The token for the next set of results."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SpotFleetRequestId": {
"deprecated": false,
"documentation": "The ID of the Spot fleet request."",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"StartTime" : {
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, &lt;\i&gt;YYYY&lt;/i&gt;-
&lt;\i&gt;MM&lt;/i&gt;.&lt;\i&gt;DD&lt;/i&gt;T&lt;\i&gt;HH&lt;/i&gt;:&lt;\i&gt;MM&lt;/i&gt;:&lt;\i&gt;SS&lt;/i&gt;Z)&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "startTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId", "StartTime" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetRequestHistoryResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeSpotFleetRequestHistory.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"HistoryRecords" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Information about the events in the history of the Spot fleet request.&lt;/p&gt;"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "historyRecordSet",
"payload" : false,
"queryName" : null,
"shape" : "HistoryRecords",
"streaming" : false,
"xmlNamespace" : null
},
"LastEvaluatedTime" : {
"deprecated" : false,
"documentation" : "<p>The last date and time for the events, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH:mm:ss</i>Z). All records up to this time were retrieved.</p>
<p>If <code>nextToken</code> indicates that there are more results, this value is not present.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "lastEvaluatedTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SpotFleetRequestId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestId",
"payload" : false,
"queryName" : null,
"shape" : "SpotFleetRequestId",
"streaming" : false,
"xmlNamespace" : null
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StartTime" : {
"deprecated" : false,
"documentation" : "<p>The starting date and time for the events, in UTC format (for example, <i>YYYY</i>-
<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "startTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId", "StartTime", "LastEvaluatedTime", "HistoryRecords" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"DescribeSpotFleetRequestsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeSpotFleetRequests.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "maxResults",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
  "deprecated" : false,
  "documentation" : "<p>The token for the next set of results.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "nextToken",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SpotFleetRequestIds" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Spot fleet requests.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotFleetRequestsResponse" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSpotFleetRequests.</p>",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NextToken" : {
    "deprecated" : false,
    "documentation" : "<p>The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "nextToken",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SpotFleetRequestConfigs" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the configuration of your Spot fleet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "spotFleetRequestConfigSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "SpotFleetRequestConfigSet",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestConfigs" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotInstanceRequestsRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotInstanceRequests.</p>",
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
Amazon Elastic Compute Cloud User Guide.

- The short code describing the most recent evaluation of your Spot instance request.
- The message explaining the status of the Spot instance request.

- The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify "tag:Purpose" for the filter name and "X" for the filter value.

- The key of a tag assigned to the resource. This filter is independent of the value filter. For example, if you use both the filter "tag=Purpose" and the filter "tag=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the filter.

- The type of Spot instance request ("one-time" | "persistent").

- The Availability Zone in which the bid is launched.

- The start date of the request.

- The end date of the request.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryString" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlnsNamespace" : null
],
"SpotInstanceRequestIds" : [
"deprecated" : false,
"documentation" : "One or more Spot instance request IDs.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SpotInstanceRequestId",
"payload" : false,
"queryString" : null,
"shape" : "SpotInstanceRequestIdList",
"streaming" : false,
"xmlnsNamespace" : null
]
"DescribeSpotInstanceRequestsResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSpotInstanceRequests.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SpotInstanceRequests" : {
      "deprecated" : false,
      "documentation" : "<p>One or more Spot instance requests.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "spotInstanceRequestSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "SpotInstanceRequestList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"DescribeSpotPriceHistoryRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeSpotPriceHistory.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {

"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>Filters the results by the specified Availability Zone.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "availabilityZone",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"EndTime" : {
  "deprecated" : false,
  "documentation" : "<p>The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). </p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "endTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"Filters" : {
  "deprecated" : false,
  "documentation" : "<p>One or more filters.</p> <ul>
    <li> <p> <code>availability-zone</code> - The Availability Zone for which prices should be returned.</p> </li>
    <li> <p> <code>instance-type</code> - The type of instance (for example, <code>m3.medium</code>).</p> </li>
    <li> <p> <code>spot-price</code> - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).</p> </li>
    <li> <p> <code>timestamp</code> - The timestamp of the Spot price history, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-
<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.</p> </li>
  </ul>
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "Filter",
  "payload" : false,
  "queryName" : null,
  "shape" : "FilterList",
  "streaming" : false,
"xmlNamespace": null },
"InstanceTypes": {
  "deprecated": false,
  "documentation": "<p>Filters the results by the specified instance types. Note that T2 and HS1 instance types are not supported.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "InstanceType",
  "payload": false,
  "queryName": null,
  "shape": "InstanceTypeList",
  "streaming": false,
  "xmlNamespace": null
},
"MaxResults": {
  "deprecated": false,
  "documentation": "<p>The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code> value.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "maxResults",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"NextToken": {
  "deprecated": false,
  "documentation": "<p>The token for the next set of results.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "nextToken",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"ProductDescriptions": {
  "deprecated": false,
  "documentation": "<p>Filters the results by the specified basic product descriptions.</p>",
  "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ProductDescription",
"payload" : false,
"queryName" : null,
"shape" : "ProductDescriptionList",
"streaming" : false,
"xmlnsNamespace" : null
},
"StartTime" : {
  "deprecated" : false,
  "documentation" : "<p>The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, \<i>YYYY\</i>-\<i>MM\</i>-\<i>DD\</i>T\<i>HH</i>:\<i>MM</i>:\<i>SS</i>Z).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "startTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeSpotPriceHistoryResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeSpotPriceHistory.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NextToken" : {
      "deprecated" : false,
"documentation" : "The token required to retrieve the next set of results. This value is <code>null</code> when there are no more results to return.".
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SpotPriceHistory" : {
"deprecated" : false,
"documentation" : "The historical Spot prices."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotPriceHistorySet",
"payload" : false,
"queryName" : null,
"shape" : "SpotPriceHistoryList",
"streaming" : false,
"xmlNamespace" : null
}
},
"DescribeStaleSecurityGroupsRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"MaxResults" : {

"deprecated": false,
"documentation": "The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "MaxResults",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
"deprecated": false,
"documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "NextToken",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "The ID of the VPC.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
"DescribeStaleSecurityGroupsResult" : {
  "NextToken" : {
    "nextToken" : "The token to use when requesting the next set of items. If there are no additional items to return, the string is empty."},
  "StaleSecurityGroupSet" : {
    "staleSecurityGroupSet" : "Information about the stale security groups."},
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure"}
"value": null,
"wrapper": false
].
"DescribeSubnetsRequest": {
"deprecated": false,
"documentation": "\p>Contains the parameters for DescribeSubnets.\p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Filters": {
"deprecated": false,
"documentation": "\p>One or more filters.\p> \ul\li\p> code>availabilityZone\p> - The Availability Zone for the subnet. You can also use code>availability-zone\p> as the filter name.\p> \li\p> code>available-ip-address-count\p> - The number of IPv4 addresses in the subnet that are available.\p> \li\p> code>cidrBlock\p> - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet's CIDR block for information to be returned for the subnet. You can also use code>cidr\p> or code>cidr-block\p> as the filter names.\p> \li\p> code>defaultForAz\p> - Indicates whether this is the default subnet for the Availability Zone. You can also use code>default-for-az\p> as the filter name.\p> \li\p> code>ipv6-cidr-block-association.ipv6-cidr-block\p> - An IPv6 CIDR block associated with the subnet.\p> \li\p> code>ipv6-cidr-block-association.association-id\p> - An association ID for an IPv6 CIDR block associated with the subnet.\p> \li\p> code>ipv6-cidr-block-association.state\p> - The state of an IPv6 CIDR block associated with the subnet.\p> \li\p> code>state\p> - The state of the subnet (code>pending\p> | code>available\p> | code>subnet-id\p> - The ID of the subnet.\p> \li\p> code>tag\p> - The key of a tag assigned to the resource. This filter is independent of the code>tag-value\p> filter. For example, if you use both the filter "\key=Purpose\" and the filter "\tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the code>tag\p> - The ID of the VPC for the subnet.\p> \li\p> code>vpc-id\p> - The ID of the VPC for the subnet.\p> \ul\li\p>"
"xmlNamespace": null
},
"SubnetIds": {
"deprecated": false,
"documentation": "<p>One or more subnet IDs.</p><p>Default: Describes all your subnets.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "SubnetId",
"payload": false,
"queryName": null,
"shape": "SubnetIdStringList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeSubnetsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeSubnets.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Subnets": {
"deprecated": false,
"documentation": "<p>Information about one or more subnets.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetSet",
"payload": false,
"queryName": null,
"shape": "SubnetList",
"streaming": false,
"xmlNamespace" : null
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeTagsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeTags.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters. </p> <ul>
<li> <code>key</code> - The tag key.</li>
<li> <code>resource-id</code> - The resource ID.</li>
</ul>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of results to return in a single call. This value can be between 5 and 1000. To retrieve the remaining results, make another call with the returned <code>NextToken</code>"
value.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "maxResults",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The token to retrieve the next page of results.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"DescribeTagsResult" : {
"deprecated" : false,
"documentation" : "Contains the output of DescribeTags.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation": "The token to use to retrieve the next page of results. This value is \texttt{null} when there are no more results to return.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated": false,
"documentation": "A list of tags."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagDescriptionList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVolumeAttributeRequest": {
"deprecated": false,
"documentation": "Contains the parameters for DescribeVolumeAttribute."
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Attribute": {
"deprecated": false,
"documentation": ""<p>The token to use to retrieve the next page of results. This value is \texttt{null} when there are no more results to return..</p>".\"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}},
"deprecated" : false,
"documentation" : "<p>The instance attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "VolumeAttributeName",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVolumeAttributeResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVolumeAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AutoEnableIO" : {
...
"deprecated": false,
"documentation": "The state of <code>autoEnableIO</code> attribute." ,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "autoEnableIO",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"ProductCodes": {
"deprecated": false,
"documentation": "A list of product codes.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productCodes",
"payload": false,
"queryName": null,
"shape": "ProductCodeList",
"streaming": false,
"xmlNamespace": null
},
"VolumeId": {
"deprecated": false,
"documentation": "The ID of the volume."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"DescribeVolumeStatusRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVolumeStatus.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Filters" : {
      "deprecated" : false,
  },
  "MaxResults" : {
    "deprecated" : false,
    "documentation" : "<p>The maximum number of volume results returned by <code>DescribeVolumeStatus</code> in paginated output. When this parameter is used, the request only returns <code>MaxResults</code> results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another request with the returned <code>NextToken</code> value. This value can be between 5 and 1000; if <code>MaxResults</code> is given a
value larger than 1000, only 1000 results are returned. If this parameter is not used, then
<code>DescribeVolumeStatus</code> returns all results. You cannot specify this parameter and the volume IDs
parameter in the same request.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "The <code>NextToken</code> value to include in a future
<code>DescribeVolumeStatus</code> request. When the results of the request exceed <code>MaxResults</code>,
this value can be used to retrieve the next page of results. This value is <code>null</code> when there are no more
results to return.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeIds" : {
"deprecated" : false,
"documentation" : "One or more volume IDs. Default: Describes all your volumes.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VolumeId",
"payload" : false,
"queryName" : null,
"shape" : "VolumeIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
}.
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVolumeStatusResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeVolumeStatus.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"NextToken": {
"deprecated": false,
"documentation": "<p>The token to use to retrieve the next page of results. This value is <code>null</code> when there are no more results to return.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeStatuses": {
"deprecated": false,
"documentation": "<p>A list of volumes.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeStatusSet",
"payload": false,
"queryName": null,
"shape": "VolumeStatusList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVolumesModificationsRequest": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Filters": {
      "deprecated": false,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "Filter",
      "payload": false,
      "queryName": null,
      "shape": "FilterList",
      "streaming": false,
      "xmlnsNamespace": null
    },
    "MaxResults": {
      "deprecated": false,
      "documentation": ""<p>The maximum number of results (up to a limit of 500) to be returned in a paginated request. </p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "Integer",
      "streaming": false,
      "xmlnsNamespace": null
    },
    "NextToken": {
"deprecated" : false,
"documentation" : "<p>The <code>nextToken</code> value returned by a previous paginated request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
",
"VolumeIds" : {
"deprecated" : false,
"documentation" : "<p>One or more volume IDs for which in-progress modifications will be described.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VolumeId",
"payload" : false,
"queryName" : null,
"shape" : "VolumeIdStringList",
"streaming" : false,
"xmlNamespace" : null
}]
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
",
"DescribeVolumesModificationsResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {

"deprecated" : false,
"documentation" : "<p>Token for pagination, null if there are no more results</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumesModifications" : {
"deprecated" : false,
"documentation" : "<p>A list of returned <a>VolumeModification</a> objects.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeModificationSet",
"payload" : false,
"queryName" : null,
"shape" : "VolumeModificationList",
"streaming" : false,
"xmlNamespace" : null
}
}" DescribeVolumesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVolumes.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {

"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>attachment.attach-time</code> - The time stamp when the attachment initiated.</p> </li> <li> <p> <code>attachment.delete-on-termination</code> - Whether the volume is deleted on instance termination.</p> </li> <li> <p> <code>attachment.device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>attachment.instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>attachment.status</code> - The attachment state (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone in which the volume was created.</p> </li> <li> <p> <code>create-time</code> - The time stamp when the volume was created.</p> </li> <li> <p> <code>encrypted</code> - The encryption status of the volume.</p> </li> <li> <p> <code>device</code> - The device name that is exposed to the instance (for example, <code>/dev/sda1</code>).</p> </li> <li> <p> <code>instance-id</code> - The ID of the instance the volume is attached to.</p> </li> <li> <p> <code>status</code> - The status of the volume (<code>creating</code> | <code>available</code> | <code>in-use</code> | <code>deleting</code> | <code>error</code>). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=Example, specify <code>tag:Purpose</code> for the filter name and <code>Example</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Example", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Purpose is Example, see the <code>tag:s=Example</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=Example", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value Example (regardless of what the tag's key is). If you want to list only resources where Purpose is Example, see the <code>tag:s=Example</code> filter.</p> </li> <li> <p> <code>volume-id</code> - The volume ID.</p> </li> <li> <p> <code>volume-type</code> - The Amazon EBS volume type. This can be <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.</p> </li> </ul>

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlnsNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "The maximum number of volume results returned by <code>DescribeVolumes</code> in paginated output. When this parameter is used, <code>DescribeVolumes</code> only returns results in a single page along with a <code>NextToken</code> response element. The remaining results of the initial request can be seen by sending another <code>DescribeVolumes</code> request with the returned <code>NextToken</code> value. This value can be between 5 and 500; if <code>MaxResults</code> is given a value larger than 500, only 500 results are returned. If this parameter is not used, then <code>DescribeVolumes</code> returns all results. You cannot specify this parameter and the volume IDs parameter in the same request."},
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}

"NextToken": {
"deprecated": false,
"documentation": "<p>The <code>NextToken</code> value returned from a previous paginated
<code>DescribeVolumes</code> request where <code>MaxResults</code> was used and the results exceeded the
value of that parameter. Pagination continues from the end of the previous results that returned the
<code>NextToken</code> value. This value is <code>null</code> when there are no more results to return.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "nextToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}

"VolumeIds": {
"deprecated": false,
"documentation": "<p>One or more volume IDs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "VolumeId",
"payload": false,
"queryName": null,
"shape": "VolumeIdStringList",
"streaming": false,
"xmlNamespace": null
}

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"DescribeVolumesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of DescribeVolumes.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NextToken" : {
      "deprecated" : false,
      "documentation" : "<p>The &lt;code&gt;NextToken&lt;/code&gt; value to include in a future &lt;code&gt;DescribeVolumes&lt;/code&gt; request. When the results of a &lt;code&gt;DescribeVolumes&lt;/code&gt; request exceed &lt;code&gt;MaxResults&lt;/code&gt;, this value can be used to retrieve the next page of results. This value is &lt;code&gt;null&lt;/code&gt; when there are no more results to return.</p>"",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "nextToken",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Volumes" : {
      "deprecated" : false,
      "documentation" : "<p>Information about the volumes.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "volumeSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "VolumeList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",}
"value": null,
"wrapper": false
},
"DescribeVpcAttributeRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DescribeVpcAttribute.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Attribute": {
      "deprecated": false,
      "documentation": "<p>The VPC attribute.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "VpcAttributeName",
      "streaming": false,
      "xmlnsNamespace": null
    },
    "VpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlnsNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": [ "VpcId", "Attribute" ],
  "streaming": false,
  "type": "structure"}
"value": null,
"wrapper": false
},
"DescribeVpcAttributeResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeVpcAttribute.&lt;/p&gt;",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"EnableDnsHostnames": {
"deprecated": false,
"documentation": "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If this attribute is &lt;code&gt;true&lt;/code&gt;, instances in the VPC get DNS hostnames; otherwise, they do not.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enableDnsHostnames",
"payload": false,
"queryString": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"EnableDnsSupport": {
"deprecated": false,
"documentation": "<p>Indicates whether DNS resolution is enabled for the VPC. If this attribute is &lt;code&gt;true&lt;/code&gt;, the Amazon DNS server resolves DNS hostnames for your instances to their corresponding IP addresses; otherwise, it does not.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enableDnsSupport",
"payload": false,
"queryString": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "&lt;p&gt;The ID of the VPC.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
}
"DescribeVpcClassicLinkDnsSupportRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpcClassicLinkDnsSupport.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"MaxResults": {
"deprecated": false,
"documentation": "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "maxResults",
"payload": false,
"queryName": null,
"shape": "MaxResults",
"streaming": false,
"xmlnsNamespace": null
}
},
"NextToken": {
"deprecated": false,
"documentation": "<p>The token for the next set of items to return. (You received this token from a prior
"documentation" : "The token to use when requesting the next set of items.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "NextToken",
"streaming" : false,
"xmlNamespace" : null
},
"Vpcs" : {
"deprecated" : false,
"documentation" : "Information about the ClassicLink DNS support status of the VPCs.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcs",
"payload" : false,
"queryName" : null,
"shape" : "ClassicLinkDnsSupportList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcClassicLinkRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for DescribeVpcClassicLink.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul> <li> <p> <code>is-classic-link-enabled</code> - Whether the VPC is enabled for ClassicLink (<code>true</code> | <code>false</code>). </p> </li> <li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag</code>:<i>key</i>=<i>value</i> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter.</p> </li> </ul> "

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlns" : "null",
"VpcIds" : {
"deprecated" : false,
"documentation" : "<p>One or more VPCs for which you want to describe the ClassicLink status.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcId",
"payload" : false,
"queryName" : null,
"shape" : "VpcClassicLinkIdList",
"streaming" : false,
"xmlns" : "null",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"DescribeVpcClassicLinkResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcClassicLink.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Vpcs" : {
    "deprecated" : false,
    "documentation" : "<p>The ClassicLink status of one or more VPCs.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "VpcClassicLinkList",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcEndpointServicesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DescribeVpcEndpointServices.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "MaxResults" : {
      "deprecated" : false,
      "documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p>"},
  "pattern" : null,
  "payload" : null,
  "queryName" : null,
  "shape" : "DescribeVpcEndpointServicesList",
  "streaming" : false,
  "wrapper" : false
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"NextToken": {
  "deprecated": false,
  "documentation": "The token for the next set of items to return. (You received this token from a prior call.)",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpcEndpointServicesResult": {
  "deprecated": false,
  "documentation": "Contains the output of DescribeVpcEndpointServices.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "NextToken": {
      "deprecated": false,
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"MaxResults" : {
"deprecated" : false,
"documentation" : "<p>The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.</p> <p>Constraint: If the value is greater than 1000, we return only 1000 items.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token for the next set of items to return. (You received this token from a prior call.)</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcEndpointIds" : {
"deprecated" : false,
"documentation" : "<p>One or more endpoint IDs.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcEndpointId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcEndpointsResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DescribeVpcEndpoints.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NextToken" : {
"deprecated" : false,
"documentation" : "<p>The token to use when requesting the next set of items. If there are no additional items to return, the string is empty.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "nextToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcEndpoints" : {
"deprecated" : false,
"documentation" : "<p>Information about the endpoints.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcEndpointSet",
"payload" : false,
"queryName" : null,
"shape" : "VpcEndpointSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcPeeringConnectionsRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for DescribeVpcPeeringConnections.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : null,
"Filters" : {
"deprecated" : false,
"documentation" : "<p>One or more filters.</p> <ul>
<li><code>accepter-vpc-info.cidr-block</code> - The IPv4 CIDR block of the peer VPC.</li>
<li><code>accepter-vpc-info.owner-id</code> - The AWS account ID of the owner of the peer VPC.</li>
<li><code>accepter-vpc-info.vpc-id</code> - The ID of the peer VPC.</li>
<li><code>expiration-time</code> - The expiration date and time for the VPC peering connection.</li>
<li><code>requester-vpc-info.cidr-block</code> - The IPv4 CIDR block of the requester's VPC.</li>
<li><code>requester-vpc-info.owner-id</code> - The AWS account ID of the owner of the requester VPC.</li>
<li><code>requester-vpc-info.vpc-id</code> - The ID of the requester VPC.</li>
<li><code>status-message</code> - A message that provides more information about the status of the VPC peering connection, if applicable.</li>
<li><code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For
example, for the tag Purpose=X, specify `<code>tag:Purpose</code>` for the filter name and `<code>X</code>` for the filter value.</li>
<li> `<code>tag-key</code>` - The key of a tag assigned to the resource. This filter is independent of the `<code>tag-value</code>` filter. For example, if you use both the filter `"tag-key=Purpose\"` and the filter `"tag-value=X\"`, you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the `<code>tag</code>` filter.</li>
<li> `<code>tag-value</code>` - The value of a tag assigned to the resource. This filter is independent of the `<code>tag-key</code>` filter.</li>
<li> `<code>vpc-peering-connection-id</code>` - The ID of the VPC peering connection.</li>

```

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionIds" : {
"deprecated" : false,
"documentation" : "One or more VPC peering connection IDs. Default: Describes all your VPC peering connections.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"DescribeVpcPeeringConnectionsResult" : {
"deprecated" : false,
"documentation" : "Contains the output of DescribeVpcPeeringConnections.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "DescribeVpcPeeringConnections",
"payload" : false,
"queryName" : null,
"shape" : "DescribeVpcPeeringConnections",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
```

"type" : "structure",
"value" : null,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VpcPeeringConnections" : {
    "deprecated" : false,
    "documentation" : "Information about the VPC peering connections."
  }
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DescribeVpcsRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for DescribeVpcs."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Filters" : {
    "deprecated" : false,
    "documentation" : "One or more filters."
  }
}
},
"ul" : 
  "li" : 
    "p" : 
      "code" : "cidr"
    </code>
  </li>
  <li>
    "p" : "IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC's CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, <code>/28</code>)."
  </li>
  <li>
    "p" : "code" : "dhcp-options-id"
  </li>
  <li>
    "p" : "The ID of a set of DHCP options."n</li>
  </li>
  <li>
    "p" : "code" : "ipv6-cidr-block-association.ipv6-cidr-block"
  </li>
  <li>
    "p" : "An IPv6 CIDR block associated with the VPC."n</li>
</ul>
<code>ipv6-cidr-block-association.association-id</code> - The association ID for an IPv6 CIDR block associated with the VPC.

<code>ipv6-cidr-block-association.state</code> - The state of an IPv6 CIDR block associated with the VPC.

<code>isDefault</code> - Indicates whether the VPC is the default VPC.

<code>state</code> - The state of the VPC (<code>pending</code> | <code>available</code>).<br><li> <p> <code>tag</code>:<i>key</i>=<i>value</i> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value.</p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. For example, if you use both the filter "tag-key=Purpose" and the filter "tag-value=X", you get any resources assigned both the tag key Purpose and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag:Purpose</code> filter.</p> </li> <li> <p> <code>vpc-id</code> - The ID of the VPC.</p> </li> </ul>
"deprecated": false,
"documentation": "<p>Contains the output of DescribeVpcs.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Vpcs": {
"deprecated": false,
"documentation": "<p>Information about one or more VPCs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcSet",
"payload": false,
"queryName": null,
"shape": "VpcList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpnConnectionsRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpnConnections.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
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"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpnConnectionsResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeVpnConnections.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpnConnections": {
"deprecated": false,
"documentation": "<p>Information about one or more VPN connections.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpnConnectionSet",
"payload": false,
"queryName": null,
"shape": "VpnConnectionList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DescribeVpnGatewaysRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for DescribeVpnGateways.</p>",
"enum": null,
"error": null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Filters" : {
    "deprecated" : false,
    "documentation" : "One or more filters.
    <li> <p> <code>attachment.state</code> - The current state of the attachment between the gateway and the VPC (<code>attaching</code> | <code>attached</code> | <code>detaching</code> | <code>detached</code>). </p> </li> <li> <p> <code>attachment.vpc-id</code> - The ID of an attached VPC. </p> </li> <li> <p> <code>availability-zone</code> - The Availability Zone for the virtual private gateway (if applicable). </p> </li> <li> <p> <code>state</code> - The state of the virtual private gateway (<code>pending</code> | <code>available</code> | <code>deleting</code> | <code>deleted</code>). </p> </li> <li> <p> <code>tag:key=value</code> - The key/value combination of a tag assigned to the resource. Specify the key of the tag in the filter name and the value of the tag in the filter value. For example, for the tag Purpose=X, specify <code>tag:Purpose</code> for the filter name and <code>X</code> for the filter value. </p> </li> <li> <p> <code>tag-key</code> - The key of a tag assigned to the resource. This filter is independent of the <code>tag-value</code> filter. For example, if you use both the filter \"tag-key=Purpose\" and the filter \"tag-value=X\", you get any resources assigned both the tag key Purpose (regardless of what the tag's value is), and the tag value X (regardless of what the tag's key is). If you want to list only resources where Purpose is X, see the <code>tag-value</code> filter. </p> </li> <li> <p> <code>tag-value</code> - The value of a tag assigned to the resource. This filter is independent of the <code>tag-key</code> filter. </p> </li> <li> <p> <code>type</code> - The type of virtual private gateway. Currently the only supported type is <code>ipsec.1</code>. </p> </li> <li> <p> <code>vpn-gateway-id</code> - The ID of the virtual private gateway. </p> </li> 
  }
  
  "VpnGatewayIds" : {
    "deprecated" : false,
    "documentation" : "One or more virtual private gateway IDs.
    Default: Describes all your virtual private gateways."
  }
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "FilterList",
"streaming" : false,
"xmlNamespace" : null,
"VpnGatewayIds" : {
    "deprecated" : false,
    "documentation" : "One or more virtual private gateway IDs.
    Default: Describes all your virtual private gateways."
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "VpnGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "VpnGatewayIdStringList",
"VpnGatewayIds" : {
    "deprecated" : false,
    "documentation" : "One or more virtual private gateway IDs.
    Default: Describes all your virtual private gateways."
}
"streaming": false,
"xmlNamespace": null
}
]
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"DescribeVpnGatewaysResult": {
"deprecated": false,
"documentation": "<p>Contains the output of DescribeVpnGateways.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpnGateways": {
"deprecated": false,
"documentation": "<p>Information about one or more virtual private gateways.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpnGatewaySet",
"payload": false,
"queryName": null,
"shape": "VpnGatewayList",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"DetachClassicLinkVpcRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DetachClassicLinkVpc.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance to unlink from the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC to which the instance is linked.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "vpcId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "InstanceId", "VpcId" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},

"DetachClassicLinkVpcResult" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the output of DetachClassicLinkVpc.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Return" : {
            "deprecated" : false,
            "documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "return",
            "payload" : false,
            "queryName" : null,
            "shape" : "Boolean",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
},
"DetachInternetGatewayRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for DetachInternetGateway.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {

"InternetGatewayId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Internet gateway.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "internetGatewayId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InternetGatewayId", "VpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DetachNetworkInterfaceRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DetachNetworkInterface.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [
}
"AttachmentId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the attachment.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "attachmentId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Force" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether to force a detachment.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "force",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AttachmentId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DetachVolumeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DetachVolume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [
"Device": { 
  "deprecated": false,
  "documentation": "<p>The device name.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Force": { 
  "deprecated": false,
  "documentation": "Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won't have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "Boolean",
  "streaming": false,
  "xmlNamespace": null
},
"InstanceId": { 
  "deprecated": false,
  "documentation": "The ID of the instance.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"VolumeId": { 
  "deprecated": false,
  "documentation": "The ID of the volume.",
  "flattened": false,
  "idempotencyToken": false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DetachVolumeResult" : {
"deprecated" : false,
"documentation" : "A simple result wrapper around the VolumeAttachment object that was sent over the wire.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
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  "Attachment" : {
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    "documentation" : "<p>Describes volume attachment details.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeAttachment",
    "streaming" : false,
    "xmlNamespace" : null
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},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DetachVpnGatewayRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DetachVpnGateway.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
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      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "VpnGatewayId": {
      "deprecated": false,
      "documentation": "<p>The ID of the virtual private gateway.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": [ "VpnGatewayId", "VpcId" ]
}
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DeviceType": {
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"documentation": null,
"enum": [ "ebs", "instance-store" ],
"error": null,
"exception": false,
"fault": false,
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"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
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"DhcpConfiguration": {
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"documentation": "Describes a DHCP configuration option.\n\n\<p\>Describes a DHCP configuration option.\</p\>\”,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"idempotencyToken": false,
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"locationName": "key",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"deprecated": false,
"documentation": null,
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"required": null,
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"type": "string",
"value": null,
"wrapper": false
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"streaming": false,
"xmlNamespace": null
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"Values": {
  "deprecated": false,
  "documentation": "<p>One or more values for the DHCP option.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "valueSet",
  "payload": false,
  "queryName": null,
  "shape": "DhcpConfigurationValueList",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DhcpConfigurationList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "DhcpConfiguration",
    "streaming": false,
    "xmlNamespace": null
  }
}
"DhcpConfigurationValueList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}
"DhcpOptions" : {
  "deprecated" : false,
  "documentation" : "Describes a set of DHCP options."
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "DhcpConfigurations" : {
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    "documentation" : "One or more DHCP options in the set.\n\n  ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "dhcpConfigurationSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "DhcpConfigurationList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "DhcpOptionsId" : {
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    "documentation" : "The ID of the set of DHCP options.\n\n  ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "dhcpOptionsId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Tags" : {
    "deprecated" : false,
    "documentation" : "Any tags assigned to the DHCP options set.\n\n  ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "tagSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "TagList",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DhcpOptionsIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
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"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "DhcpOptionsId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"DhcpOptionsList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
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  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "DhcpOptions",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
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"payload" : null,
"required" : false,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"DisableVgwRoutePropagationRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DisableVgwRoutePropagation.</p>",
  "enum" : false,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
  "GatewayId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the virtual private gateway.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RouteTableId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the route table.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "RouteTableId", "GatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisableVpcClassicLinkDnsSupportRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for DisableVpcClassicLinkDnsSupport.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "VpcId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"disableVpcClassicLinkDnsSupportResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of DisableVpcClassicLinkDnsSupport.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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"member" : null,
"members" : {
"Return" : {
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "return",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false,
},
"DisableVpcClassicLinkRequest": {
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  "documentation": "<p>Contains the parameters for DisableVpcClassicLink.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
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      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "vpcId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"disableVpcClassicLinkResult": {
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  "documentation": "<p>Contains the output of DisableVpcClassicLink.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
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    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>.
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "return",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
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  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
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"DisassociateAddressRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for DisassociateAddress.</p>.
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssociationId": {
      "deprecated": false,
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"xmlNamespace" : null
},
"PublicIp" : {
  "deprecated" : false,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisassociateIamInstanceProfileRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AssociationId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the IAM instance profile association.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
null
"min": 0,
"pattern": null,
"payload": null,
"required": ["AssociationId"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DisassociateIamInstanceProfileResult": {
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"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"IamInstanceProfileAssociation": {
"deprecated": false,
"documentation": "Information about the IAM instance profile association.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iamInstanceProfileAssociation",
"payload": false,
"queryName": null,
"shape": "IamInstanceProfileAssociation",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DisassociateRouteTableRequest": {
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"documentation": "<p>Contains the parameters for DisassociateRouteTable.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AssociationId": {
    "deprecated": false,
    "documentation": "<p>The association ID representing the current association between the route table and subnet.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "associationId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "AssociationId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"DisassociateSubnetCidrBlockRequest": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssociationId": {
      "deprecated": false,
      "documentation": null,
      "enum": null,
      "error": null,
      "exception": false,
      "fault": false,
      "flattened": false,
      "key": null,
      "max": 0,
      "member": null,
      "members": {
"deprecated" : false,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DisassociateSubnetCidrBlockResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6CidrBlockAssociation" : {
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR block association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockAssociation",
"payload" : false,
"queryString" : null,
"shape" : "SubnetIpv6CidrBlockAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {}}
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},

"DisassociateVpcCidrBlockRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : associationId,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
}
"min": 0,
"pattern": null,
"payload": null,
"required": [
  "AssociationId"
],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"DisassociateVpcCidrBlockResult": {
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  "fault": false,
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  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Ipv6CidrBlockAssociation": {
      "deprecated": false,
      "documentation": "<p>Information about the IPv6 CIDR block association.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "ipv6CidrBlockAssociation",
      "payload": false,
      "queryName": null,
      "shape": "VpcIpv6CidrBlockAssociation",
      "streaming": false,
      "xmlNamespace": null
    },
    "VpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "vpcId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"deprecated" : false,
"documentation" : "<p>Information about the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "VolumeDetail",
"streaming" : false,
"xmlNamespace" : null
},

"DiskImageDescription" : {
"deprecated" : false,
"documentation" : "<p>Describes a disk image.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Checksum" : {
"deprecated" : false,
"documentation" : "<p>The checksum computed for the disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "checksum",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {

"deprecated": false,
"documentation": "<p>The disk image format.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "format",
"payload": false,
"queryName": null,
"shape": "DiskImageFormat",
"streaming": false,
"xmlNamespace": null
},

"ImportManifestUrl": {
  "deprecated": false,
  "documentation": "<p>A presigned URL for the import manifest stored in Amazon S3. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>.</p> <p>For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html"">VM Import Manifest</a>.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "importManifestUrl",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"Size": {
  "deprecated": false,
  "documentation": "<p>The size of the disk image, in GiB.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "size",
  "payload": false,
  "queryName": null,
  "shape": "Long",
  "streaming": false,
  "xmlNamespace": null
}
},

"min": 0,
"pattern": null,
"payload" : null,
"required" : [ "Format", "Size", "ImportManifestUrl" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DiskImageDetail" : {
"deprecated" : false,
"documentation" : "<p>Describes a disk image.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Bytes" : {
"deprecated" : false,
"documentation" : "<p>The size of the disk image, in GiB.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bytes",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "<p>The disk image format.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "format",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageFormat",
"streaming" : false,
"xmlNamespace" : null
},
"ImportManifestUrl" : {
"deprecated" : false,
"documentation" : "<p>A presigned URL for the import manifest stored in Amazon S3 and presented here as
an Amazon S3 presigned URL. For information about creating a presigned URL for an Amazon S3 object, read the "Query String Request Authentication Alternative" section of the <a href="http://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAuthentication.html">Authenticating REST Requests</a> topic in the <i>Amazon Simple Storage Service Developer Guide</i>. For information about the import manifest referenced by this API action, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/manifest.html">VM Import Manifest</a>.
"DiskImageList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "DiskImage",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"DiskImageVolumeDescription" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a disk image volume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Id" : {
      "deprecated" : false,
      "documentation" : "<p>The volume identifier.</p>",
    },
  },
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "id",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Size" : {
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiB.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "size",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Id" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"DomainType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "vpc", "standard" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}

"Double" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "double",
  "value" : null,
  "wrapper" : false
}

"EbsBlockDevice" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a block device for an EBS volume.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DeleteOnTermination" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "deleteOnTermination",
      "payload" : false,
      "queryName" : null,
    }
  }
}
Encrypted:
- **deprecated**: false,
- **documentation**: "Indicates whether the EBS volume is encrypted. Encrypted Amazon EBS volumes may only be attached to instances that support Amazon EBS encryption."
- **flattened**: false,
- **idempotencyToken**: false,
- **location**: null,
- **locationName**: "encrypted",
- **payload**: false,
- **queryName**: null,
- **shape**: "Boolean",
- **streaming**: false,
- **xmlNamespace**: null

Iops:
- **deprecated**: false,
- **documentation**: "The number of I/O operations per second (IOPS) that the volume supports. For <code>io1</code>, this represents the number of IOPS that are provisioned for the volume. For <code>gp2</code>, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i/>. Constraint: Range is 100-20000 IOPS for <code>io1</code> volumes and 100-10000 IOPS for <code>gp2</code> volumes.</p> <p>Condition: This parameter is required for requests to create <code>io1</code> volumes; it is not used in requests to create <code>gp2</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code> volumes.
- **flattened**: false,
- **idempotencyToken**: false,
- **location**: null,
- **locationName**: "iops",
- **payload**: false,
- **queryName**: null,
- **shape**: "Integer",
- **streaming**: false,
- **xmlNamespace**: null

SnapshotId:
- **deprecated**: false,
- **documentation**: "The ID of the snapshot."
- **flattened**: false,
- **idempotencyToken**: false,
- **location**: null,
- **locationName**: "snapshotId",
- **payload**: false,
- **queryName**: null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeSize": {
"deprecated": false,
"documentation": "<p>The size of the volume, in GiB.</p> <p>Constraints: 1-16384 for General Purpose SSD (<code>gp2</code>), 4-16384 for Provisioned IOPS SSD (<code>io1</code>), 500-16384 for Throughput Optimized HDD (<code>st1</code>), 500-16384 for Cold HDD (<code>sc1</code>), and 1-1024 for Magnetic (<code>standard</code>) volumes. If you specify a snapshot, the volume size must be equal to or larger than the snapshot size.</p> <p>Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeSize",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"VolumeType": {
"deprecated": false,
"documentation": "<p>The volume type: <code>gp2</code>, <code>io1</code>, <code>st1</code>, <code>sc1</code>, or <code>standard</code>.</p> <p>Default: <code>standard</code></p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeType",
"payload": false,
"queryName": null,
"shape": "VolumeType",
"streaming": false,
"xmlNamespace": null
}
}
"documentation" : "<p>Describes a parameter used to set up an EBS volume in a block device mapping.</p> ",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AttachTime" : {
    "deprecated" : false,
    "documentation" : "<p>The time stamp when the attachment initiated.</p> ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attachTime",
    "payload" : false,
    "queryName" : null,
    "shape" : "DateTime",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "DeleteOnTermination" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the volume is deleted on instance termination.</p> ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "deleteOnTermination",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Status" : {
    "deprecated" : false,
    "documentation" : "<p>The attachment state.</p> ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "status",
    "payload" : false,
    "queryName" : null,
    "shape" : "AttachmentStatus",
    "streaming" : false,
    "xmlNamespace" : null
  }
},

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"VolumeId": {
    "deprecated": false,
    "documentation": "<p>The ID of the EBS volume.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "volumeId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
},

"EbsInstanceBlockDeviceSpecification": {
    "deprecated": false,
    "documentation": "<p>Describes information used to set up an EBS volume specified in a block device mapping.</p>",
    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
    "key": null,
    "max": 0,
    "member": null,
    "members": {
        "DeleteOnTermination": {
            "deprecated": false,
            "documentation": "<p>Indicates whether the volume is deleted on instance termination.</p>",
            "flattened": false,
            "idempotencyToken": false,
            "location": null,
            "locationName": "deleteOnTermination",
            "payload": false,
            "queryName": null,
            "shape": "Boolean",
            "streaming": false,
"xmlNamespace" : null,
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the EBS volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volumeId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"EgressOnlyInternetGateway" : {
"deprecated" : false,
"documentation" : "<p>Describes an egress-only Internet gateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attachments" : {
"deprecated" : false,
"documentation" : "<p>Information about the attachment of the egress-only Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachmentSet",
"payload" : false,
"queryName" : null,
"shape" : "InternetGatewayAttachmentList",
"streaming" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "EgressOnlyInternetGatewayId",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"EgressOnlyInternetGatewayList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "EgressOnlyInternetGatewayId",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"payload" : false,
"queryName" : null,
"shape" : "EgressOnlyInternetGateway",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"EnableVgwRoutePropagationRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for EnableVgwRoutePropagation.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RouteTableId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the route table.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "RouteTableId", "GatewayId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"EnableVolumeIORequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for EnableVolumeIO.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "VolumeId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the volume.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "volumeId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VolumeId" ],
"streaming" : false,
"type" : "structure"
"value": null,
"wrapper": false
],
"EnableVpcClassicLinkDnsSupportRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for EnableVpcClassicLinkDnsSupport.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "VpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"EnableVpcClassicLinkDnsSupportResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of EnableVpcClassicLinkDnsSupport.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member": null,
"members": {
  "Return": {
    "deprecated": false,
    "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "return",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"EnableVpcClassicLinkRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for EnableVpcClassicLink.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "VpcId": {
      "deprecated": false,
      "documentation": "<p>The ID of the VPC.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "vpcId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}

"EnableVpcClassicLinkResult": {
  "deprecated": false,
  "documentation": "<p>Contains the output of EnableVpcClassicLink.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Return": {
      "deprecated": false,
      "documentation": "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "return",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"EventCode" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "instance-reboot", "system-reboot", "system-maintenance", "instance-retirement", "instance-stop" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"EventInformation" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a Spot fleet event.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { }
  "EventDescription" : {
    "deprecated" : false,
    "documentation" : "<p>The description of the event.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "eventDescription",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "EventSubType" : {
The following are the `error` events.

- `iamFleetRoleInvalid` - The Spot fleet did not have the required permissions either to launch or terminate an instance.
- `launchSpecTemporarilyBlacklisted` - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- `spotFleetRequestConfigurationInvalid` - The configuration is not valid. For more information, see the description of the event.

The following are the `error` events.

- `iamFleetRoleInvalid` - The Spot fleet did not have the required permissions either to launch or terminate an instance.
- `launchSpecTemporarilyBlacklisted` - The configuration is not valid and several attempts to launch instances have failed. For more information, see the description of the event.
- `spotFleetRequestConfigurationInvalid` - The configuration is not valid. For more information, see the description of the event.

The following are the `fleetRequestChange` events.

- `active` - The Spot fleet has been validated and Amazon EC2 is attempting to maintain the target number of running Spot instances.
- `cancelled` - The Spot fleet is canceled and has no running Spot instances. The Spot fleet will be deleted two days after its instances were terminated.
- `cancelled_running` - The Spot fleet is canceled and will not launch additional Spot instances, but its existing Spot instances continue to run until they are interrupted or terminated.
- `cancelled_terminating` - The Spot fleet is canceled and its Spot instances are terminating.
- `cancelled_terminating` - The Spot fleet is canceled and its Spot instances are terminating.
- `expired` - The Spot fleet request has expired. A subsequent event indicates that the instances were terminated, if the request was created with `TerminateInstancesWithExpiration` set.
- `modify_in_progress` - A request to modify the Spot fleet request was accepted and is in progress.
- `modify_successful` - The Spot fleet request was modified.
- `price_update` - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- `submitted` - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.
- `modify_in_progress` - A request to modify the Spot fleet request was accepted and is in progress.
- `modify_successful` - The Spot fleet request was modified.
- `price_update` - The bid price for a launch configuration was adjusted because it was too high. This change is permanent.
- `submitted` - The Spot fleet request is being evaluated and Amazon EC2 is preparing to launch the target number of Spot instances.

The following are the `instanceChange` events.

- `launched` - A bid was fulfilled and a new instance was launched.
- `terminated` - An instance was terminated by the user.

The following are the `instanceChange` events.

- `launched` - A bid was fulfilled and a new instance was launched.
- `terminated` - An instance was terminated by the user.
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},

"ExecutableByStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ExecutableBy",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},

"ExportEnvironment" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "citrix", "vmware", "microsoft" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"ExportToS3Task" : {
    "deprecated" : false,
    "documentation" : "Information about the export task.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "exportToS3",
    "payload" : false,
    "queryName" : null,
    "shape" : "ExportToS3Task",
    "streaming" : false,
    "xmlNamespace" : null
},
"InstanceExportDetails" : {
    "deprecated" : false,
    "documentation" : "Information about the instance to export.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceExport",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceExportDetails",
    "streaming" : false,
    "xmlNamespace" : null
},
"State" : {
    "deprecated" : false,
    "documentation" : "The state of the export task.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "state",
    "payload" : false,
    "queryName" : null,
    "shape" : "ExportTaskState",
    "streaming" : false,
    "xmlNamespace" : null
},
"StatusMessage" : {
    "deprecated" : false,
    "documentation" : "The status message related to the export task.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "statusMessage",
    "payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"ExportTaskIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ExportTaskId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"ExportTaskList" : { 
  "deprecated" : false, 
  "documentation" : null, 
  "enum" : null, 
  "error" : null, 
  "exception" : false, 
  "fault" : false, 
  "flattened" : false, 
  "key" : null, 
  "max" : 0, 
  "member" : { 
    "deprecated" : false, 
    "documentation" : null, 
    "flattened" : false, 
    "idempotencyToken" : false, 
    "location" : null, 
    "locationName" : "item", 
    "payload" : false, 
    "queryName" : null, 
    "shape" : "ExportTask", 
    "streaming" : false, 
    "xmlNamespace" : null 
  }, 
  "members" : [ ], 
  "min" : 0, 
  "pattern" : null, 
  "payload" : null, 
  "required" : null, 
  "streaming" : false, 
  "type" : "list", 
  "value" : null, 
  "wrapper" : false 
}, 
"ExportTaskState" : { 
  "deprecated" : false, 
  "documentation" : null, 
  "enum" : [ "active", "cancelling", "cancelled", "completed" ], 
  "error" : null, 
  "exception" : false, 
  "fault" : false, 
  "flattened" : false, 
  "key" : null, 
  "max" : 0, 
  "member" : null, 
  "members" : [ ], 
  "min" : 0, 
  "pattern" : null, 
  "payload" : null, 
  "wrapper" : false 
}
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}.

"ExportToS3Task" : {
"deprecated" : false,
"documentation" : "<p>Describes the format and location for an instance export task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ContainerFormat" : {
"deprecated" : false,
"documentation" : "<p>The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "containerFormat",
"payload" : false,
"queryName" : null,
"shape" : "ContainerFormat",
"streaming" : false,
"xmlNamespace" : null
},
"DiskImageFormat" : {
"deprecated" : false,
"documentation" : "<p>The format for the exported image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "diskImageFormat",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageFormat",
"streaming" : false,
"xmlNamespace" : null
},
"S3Bucket" : {
"deprecated" : false,
"documentation" : "<p>The S3 bucket for the destination image. The destination bucket must exist and grant
WRITE and READ_ACP permissions to the AWS account `<code>vm-import-export@amazon.com</code>`.

```json
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "s3Bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"S3Key" : {
"deprecated" : false,
"documentation" : "The encryption key for your S3 bucket.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "s3Key",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ExportToS3TaskSpecification" : {
"deprecated" : false,
"documentation" : "Describes an instance export task.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ContainerFormat" : {
"deprecated" : false,
"documentation": "The container format used to combine disk images with metadata (such as OVF). If absent, only the disk image is exported.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "containerFormat",
"payload": false,
"queryName": null,
"shape": "ContainerFormat",
"streaming": false,
"xmlNamespace": null
},
"DiskImageFormat": {
"deprecated": false,
"documentation": "The format for the exported image.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "diskImageFormat",
"payload": false,
"queryName": null,
"shape": "DiskImageFormat",
"streaming": false,
"xmlNamespace": null
},
"S3Bucket": {
"deprecated": false,
"documentation": "The S3 bucket for the destination image. The destination bucket must exist and grant WRITE and READ_ACP permissions to the AWS account <code>vm-import-export@amazon.com</code>.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "s3Bucket",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"S3Prefix": {
"deprecated": false,
"documentation": "The image is written to a single object in the S3 bucket at the S3 key s3Prefix + exportTaskId + ". + diskImageFormat.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "s3Prefix",
"payload": false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"Filter" : {
"deprecated" : false,
"documentation" : "<p>A filter name and value pair that is used to return a more specific list of results. Filters can be used to match a set of resources by various criteria, such as tags, attributes, or IDs.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Name" : {
"deprecated" : false,
"documentation" : "<p>The name of the filter. Filter names are case-sensitive.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Values" : {
"deprecated" : false,
"documentation" : "<p>One or more filter values. Filter values are case-sensitive.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Value",
...
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,
"FilterList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Filter",
"payload" : false,
"queryName" : null,
"shape" : "Filter",
"streaming" : false,
"xmlNamespace" : null
}
,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
"FleetType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "request", "maintain" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ {} ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},

"Float" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ {} ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "float",
  "value" : null,
  "wrapper" : false
},

"FlowLog" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a flow log.</p>",
  "enum" : null,
  "error" : null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "CreationTime": {
    "deprecated": false,
    "documentation": "<p>The date and time the flow log was created.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "creationTime",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  },
  "DeliverLogsErrorMessage": {
    "deprecated": false,
    "documentation": "<p>Information about the error that occurred. <code>Rate limited</code> indicates that CloudWatch logs throttling has been applied for one or more network interfaces, or that you've reached the limit on the number of CloudWatch Logs log groups that you can create. <code>Access error</code> indicates that the IAM role associated with the flow log does not have sufficient permissions to publish to CloudWatch Logs. <code>Unknown error</code> indicates an internal error.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "deliverLogsErrorMessage",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "DeliverLogsPermissionArn": {
    "deprecated": false,
    "documentation": "<p>The ARN of the IAM role that posts logs to CloudWatch Logs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "deliverLogsPermissionArn",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
"xmlNamespace": null
},
"DeliverLogsStatus": {
  "deprecated": false,
  "documentation": "The status of the logs delivery (<code>SUCCESS</code> | <code>FAILED</code>).</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "deliverLogsStatus",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"FlowLogId": {
  "deprecated": false,
  "documentation": "The flow log ID.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "flowLogId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"FlowLogStatus": {
  "deprecated": false,
  "documentation": "The status of the flow log (<code>ACTIVE</code>),</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "flowLogStatus",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LogGroupName": {
  "deprecated": false,
  "documentation": "The name of the flow log group.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"locationName" : "logGroupName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ResourceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the resource on which the flow log was created.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "resourceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"TrafficType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of traffic captured for the flow log.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "trafficType",
  "payload" : false,
  "queryName" : null,
  "shape" : "TrafficType",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"FlowLogSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
"GatewayType" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "ipsec.1" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ {} ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"GetConsoleOutputRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for GetConsoleOutput.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetConsoleOutputResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of GetConsoleOutput.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Output" : {
      "deprecated" : false,
      "documentation" : "<p>The console output, Base64-encoded. If using a command line tool, the tool decodes the output for you.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "output",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"Timestamp" : {
  "deprecated" : false,
  "documentation" : "\<p\>The time the output was last updated.\</p\>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "timestamp",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetConsoleScreenshotRequest" : {
  "deprecated" : false,
  "documentation" : "\<p\>Contains the parameters for the request.\</p\>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "\<p\>The ID of the instance.\</p\>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"WakeUp" : {
  "deprecated" : false,
  "documentation" : "<p>When set to <code>true</code>, acts as keystroke input and wakes up an instance that's in standby or "sleep" mode.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetConsoleScreenshotResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of the request.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ImageData" : {
      "deprecated" : false,
      "documentation" : "<p>The data that comprises the image.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "imageData",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetHostReservationPurchasePreviewRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "HostIdSet" : {
      "deprecated" : false,
      "documentation" : "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "RequestHostIdSet",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"OfferingId" : {
  "deprecated" : false,
  "documentation" : "The offering ID of the reservation." ,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "OfferingId", "HostIdSet" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
"GetHostReservationPurchasePreviewResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CurrencyCode" : {
      "deprecated" : false,
      "documentation" : "The currency in which the <code>totalUpfrontPrice</code> and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "currencyCode",
      "payload" : false,
      "queryName" : null,
      "shape" : "CurrencyCodeValues",}
"streaming" : false,
"xmlNamespace" : null
},
"Purchase" : {
  "deprecated" : false,
  "documentation" : "<p>The purchase information of the Dedicated Host Reservation and the Dedicated Hosts associated with it.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "purchase",
  "payload" : false,
  "queryName" : null,
  "shape" : "PurchaseSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"TotalHourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The potential total hourly price of the reservation per hour.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalHourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"TotalUpfrontPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The potential total upfront price. This is billed immediately.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalUpfrontPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GetPasswordDataRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for GetPasswordData.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the Windows instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ['InstanceId'],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GetPasswordDataResult": {
"deprecated": false,
"documentation": "<p>Contains the output of GetPasswordData.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "The ID of the Windows instance.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "PasswordData" : {
    "deprecated" : false,
    "documentation" : "The password of the instance."
  },
  "Timestamp" : {
    "deprecated" : false,
    "documentation" : "The time the data was last updated."
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"GetReservedInstancesExchangeQuoteRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for GetReservedInstanceExchangeQuote.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ReservedInstanceIds": {
"deprecated": false,
"documentation": "<p>The IDs of the Convertible Reserved Instances to exchange.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ReservedInstanceId",
"payload": false,
"queryName": null,
"shape": "ReservedInstanceIdSet",
"streaming": false,
"xmlNamespace": null
},
"TargetConfigurations": {
"deprecated": false,
"documentation": "<p>The configuration requirements of the Convertible Reserved Instances to exchange for your current Convertible Reserved Instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "TargetConfiguration",
"payload": false,
"queryName": null,
"shape": "TargetConfigurationRequestSet",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required" : [ "ReservedInstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"GetReservedInstancesExchangeQuoteResult" : {  
"deprecated" : false,
"documentation" : "<p>Contains the output of GetReservedInstancesExchangeQuote.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {  
"CurrencyCode" : {  
"deprecated" : false,
"documentation" : "<p>The currency of the transaction.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"IsValidExchange" : {  
"deprecated" : false,
"documentation" : "<p>If <code>true</code>, the exchange is valid. If <code>false</code>, the exchange cannot be completed.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "isValidExchange",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"OutputReservedInstancesWillExpireAt" : {  
"deprecated" : false,
"documentation" : "<p>The new end date of the reservation term.</p>",
"flattened" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "outputReservedInstancesWillExpireAt",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlnsNamespace" : null
},
"PaymentDue" : {
  "deprecated" : false,
  "documentation" : ",<p>The total true upfront charge for the exchange.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "paymentDue",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
}
,"ReservedInstanceValueRollup" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstanceValueRollup",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservationValue",
  "streaming" : false,
  "xmlnsNamespace" : null
}
,"ReservedInstanceValueSet" : {
  "deprecated" : false,
  "documentation" : "<p>The configuration of your Convertible Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstanceValueSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservedInstanceReservationValueSet",
  "streaming" : false,
  "xmlnsNamespace" : null
}
"TargetConfigurationValueRollup" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "targetConfigurationValueRollup",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservationValue",
  "streaming" : false,
  "xmlNamespace" : null
},
"TargetConfigurationValueSet" : {
  "deprecated" : false,
  "documentation" : "<p>The values of the target Convertible Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "targetConfigurationValueSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TargetReservationValueSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"ValidationFailureReason" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the reason why the exchange cannot be completed.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "validationFailureReason",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"wrapper" : false
},
"GroupIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"GroupIdentifier" : {
"deprecated" : false,
"documentation" : "<p>Describes a security group.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GroupId" : 
".wrapper" : false
},
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"GroupIdentifierList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"members" : [ ],
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"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
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"GroupIds" : {
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"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"GroupNameStringList": {
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"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "GroupName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"HistoryRecord": {
"deprecated": false,
"documentation": "<p>Describes an event in the history of the Spot fleet request.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "EventInformation": {
    "deprecated": false,
    "documentation": "<p>Information about the event.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "eventInformation",
    "payload": false,
    "queryString": null,
    "shape": "EventInformation",
    "streaming": false,
    "xmlNamespace": null
  },
  "EventType": {
    "deprecated": false,
    "documentation": "<p>The event type.</p> <ul> <li> <p> <code>error</code> - Indicates an error with the Spot fleet request.</p> </li> <li> <p> <code>fleetRequestChange</code> - Indicates a change in the status or configuration of the Spot fleet request.</p> </li> <li> <p> <code>instanceChange</code> - Indicates that an instance was launched or terminated.</p> </li> </ul>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "eventType",
    "payload": false,
    "queryString": null,
    "shape": "EventType",
    "streaming": false,
    "xmlNamespace": null
  },
  "Timestamp": {
    "deprecated": false,
    "documentation": "<p>The date and time of the event, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>T<i>HH</i>:<i>MM</i>:<i>SS</i>Z).</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "timestamp",
    "payload": false,
    "queryString": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload" : null,
"required" : [ "Timestamp", "EventType", "EventInformation" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HistoryRecords" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "HistoryRecord",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Host" : {
"deprecated" : false,
"documentation" : "Describes the properties of the Dedicated Host."",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
Idempotency in the Amazon Elastic Compute Cloud User Guide.

The ID of the Dedicated Host.

The hardware specifications of the Dedicated Host.

The reservation ID of the Dedicated Host. This returns a null response if the Dedicated Host doesn't have an associated reservation.
"streaming": false,
"xmlNamespace": null
}
,"Instances": {
  "deprecated": false,
  "documentation": "<p>The IDs and instance type that are currently running on the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instances",
  "payload": false,
  "queryName": null,
  "shape": "HostInstanceList",
  "streaming": false,
  "xmlNamespace": null
}
,"State": {
  "deprecated": false,
  "documentation": "<p>The Dedicated Host's state.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "state",
  "payload": false,
  "queryName": null,
  "shape": "AllocationState",
  "streaming": false,
  "xmlNamespace": null
}
,"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"HostInstance": {
  "deprecated": false,
  "documentation": "<p>Describes an instance running on a Dedicated Host.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>the IDs of instances that are running on the Dedicated Host.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "InstanceType" : {
    "deprecated" : false,
    "documentation" : "<p>The instance type size (for example, <code>m3.medium</code>) of the running instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceType",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"HostInstanceIdList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"HostOffering" : {
"deprecated" : false,
"documentation" : "<p>Details about the Dedicated Host Reservation offering.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency of the offering.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "<p>The duration of the offering (in seconds).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"HourlyPrice" : {
  "deprecated" : false,
  "documentation" : "The hourly price of the offering.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceFamily" : {
  "deprecated" : false,
  "documentation" : "The instance family of the offering.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceFamily",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OfferingId" : {
  "deprecated" : false,
  "documentation" : "The ID of the offering.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "offeringId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PaymentOption" : {
  "deprecated" : false,
  "documentation" : "The available payment option.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "paymentOption",
  "payload" : false,
  "queryName" : null,
"shape" : "PaymentOption",
"streaming" : false,
"xmlNamespace" : null
},
"UpfrontPrice" : {
"deprecated" : false,
"documentation" : "<p>The upfront price of the offering. Does not apply to No Upfront offerings.</p>",
"streaming" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "upfrontPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"hostOfferingSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "HostOffering",
"streaming" : false,
"xmlNamespace": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"HostProperties": {
"deprecated": false,
"documentation": "Describes properties of a Dedicated Host."
},
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Cores": {
"deprecated": false,
"documentation": "The number of cores on the Dedicated Host."
},
"InstanceType": {
"deprecated": false,
"documentation": "The instance type size that the Dedicated Host supports (for example, 
"m3.medium")
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "cores",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "The instance type size that the Dedicated Host supports (for example, 
"m3.medium")
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "String",
"xmlNamespace": null
}
"streaming": false,
"xmlNamespace": null
},
"Sockets": {
  "deprecated": false,
  "documentation": "<p>The number of sockets on the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "sockets",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"TotalVCpus": {
  "deprecated": false,
  "documentation": "<p>The number of vCPUs on the Dedicated Host.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "totalVCpus",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"HostReservation": {
  "deprecated": false,
  "documentation": "<p>Details about the Dedicated Host Reservation and associated Dedicated Hosts.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
"max" : 0,
"member" : null,
"members" : {
"Count" : {
"deprecated" : false,
"documentation" : "<p>The number of Dedicated Hosts the reservation is associated with.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "count",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>upfrontPrice</code> and <code>hourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "<p>The length of the reservation's term, specified in seconds. Can be <code>31536000 (1 year)</code> | <code>94608000 (3 years)</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"End" : {
"deprecated" : false,
"documentation" : "<p>The date and time that the reservation ends.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "end",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"HostIdSet" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the Dedicated Hosts associated with the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hostIdSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "ResponseHostIdSet",
  "streaming" : false,
  "xmlNamespace" : null
},
"HostReservationId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the reservation that specifies the associated Dedicated Hosts.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hostReservationId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"HourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The hourly price of the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : false,
"InstanceFamily": {
  "deprecated": false,
  "documentation": "The instance family of the Dedicated Host Reservation. The instance family on the Dedicated Host must be the same in order for it to benefit from the reservation.\n  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceFamily",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"OfferingId": {
  "deprecated": false,
  "documentation": "The ID of the reservation. This remains the same regardless of which Dedicated Hosts are associated with it.\n  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "offeringId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PaymentOption": {
  "deprecated": false,
  "documentation": "The payment option selected for this reservation.\n  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "paymentOption",
  "payload": false,
  "queryName": null,
  "shape": "PaymentOption",
  "streaming": false,
  "xmlNamespace": null
},
"Start": {
  "deprecated": false,
  "documentation": "The date and time that the reservation started.\n  "flattened": false,
  "idempotencyToken": false,
  "location": null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"HostReservationSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryString" : null,
    "shape" : "HostReservation",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>Describes an IAM instance profile.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Arn" : {
"deprecated" : false,
"documentation" : "<p>The Amazon Resource Name (ARN) of the instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "arn",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Id" : {
"deprecated" : false,
"documentation" : "<p>The ID of the instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "id",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"IamInstanceProfileAssociation": {
"deprecated": false,
"documentation": "&lt;p&gt;Describes an association between an IAM instance profile and an instance.&lt;/p&gt;&lt;",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AssociationId": {
"deprecated": false,
"documentation": "&lt;p&gt;The ID of the association.&lt;/p&gt;&lt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "associationId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"IamInstanceProfile": {
"deprecated": false,
"documentation": "&lt;p&gt;The IAM instance profile.&lt;/p&gt;&lt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iamInstanceProfile",
"payload": false,
"queryName": null,
"shape": "IamInstanceProfile",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
"deprecated": false,
"documentation": "&lt;p&gt;The ID of the instance.&lt;/p&gt;&lt;"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileAssociationState",
"streaming" : false,
"xmlNamespace" : null
},
"Timestamp" : {
"deprecated" : false,
"documentation" : "<p>The time the IAM instance profile was associated with the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "timestamp",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"IamInstanceProfileAssociationSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "IamInstanceProfileAssociation",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"IamInstanceProfileAssociationState" : { 
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "associating", "associated", "disassociating", "disassociated" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
"type": "string",
"value": null,
"wrapper": false
},
"IamInstanceProfileSpecification": {
"deprecated": false,
"documentation": "<p>Describes an IAM instance profile.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Arn": {
"deprecated": false,
"documentation": "<p>The Amazon Resource Name (ARN) of the instance profile.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "arn",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Name": {
"deprecated": false,
"documentation": "<p>The name of the instance profile.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "name",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false,
}
,"icmpTypeCode": {
"deprecated": false,
"documentation": "Describes the ICMP type and code.\</p>\",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Code": {
"deprecated": false,
"documentation": "The ICMP code. A value of -1 means all codes for the specified ICMP type.\</p>\",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "code",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"Type": {
"deprecated": false,
"documentation": "The ICMP type. A value of -1 means all types.\</p>\",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "type",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
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"type" : "structure",
"value" : null,
"wrapper" : false
}

"IdFormat" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the ID format for a resource.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Deadline" : {
      "deprecated" : false,
      "documentation" : "<p>The date in UTC at which you are permanently switched over to using longer IDs. If a deadline is not yet available for this resource type, this field is not returned.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "deadline",
      "payload" : false,
      "queryName" : null,
      "shape" : "DateTime",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Resource" : {
      "deprecated" : false,
      "documentation" : "<p>The type of resource.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "resource",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "UseLongIds" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether longer IDs (17-character IDs) are enabled for the resource.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
"Description" : {  
  "deprecated" : false,  
  "documentation" : "<p>The description of the AMI that was provided during image creation.</p>"},  

"EnaSupport" : {  
  "deprecated" : false,  
  "documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>"},  

"Hypervisor" : {  
  "deprecated" : false,  
  "documentation" : "<p>The hypervisor type of the image.</p>"},  

"ImageId" : {  
  "deprecated" : false,  
  "documentation" : "<p>The ID of the AMI.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"ImageLocation" : {
  "deprecated" : false,
  "documentation" : "<p>The location of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageLocation",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"ImageOwnerAlias" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account alias (for example, <code>amazon</code>, <code>self</code>) or the AWS account ID of the AMI owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageOwnerAlias",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"ImageType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageType",
  "payload" : false,
  "queryName" : null,
  "shape" : "ImageTypeValues",
  "streaming" : false,
"xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "<p>The kernel associated with the image, if any. Only applicable for machine images.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernelId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Name" : {
  "deprecated" : false,
  "documentation" : "<p>The name of the AMI that was provided during image creation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "name",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the image owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageOwnerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Platform" : {
  "deprecated" : false,
  "documentation" : "<p>The value is <code>Windows</code> for Windows AMIs; otherwise blank.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName" : "platform",
"payload" : false,
"queryName" : null,
"shape" : "PlatformValues",
"streaming" : false,
"xmlNamespace" : null
}

"ProductCodes" : {
  "deprecated" : false,
  "documentation" : "<p>Any product codes associated with the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ProductCodes",
  "payload" : false,
  "queryName" : null,
  "shape" : "ProductCodeList",
  "streaming" : false,
  "xmlNamespace" : null
}

"Public" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the image has public launch permissions. The value is <code>true</code> if this image has public launch permissions or <code>false</code> if it has only implicit and explicit launch permissions.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "isPublic",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
}

"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "<p>The RAM disk associated with the image, if any. Only applicable for machine images.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"RootDeviceName" : {
    "deprecated" : false,
    "documentation" : "The device name of the root device (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "rootDeviceName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"RootDeviceType" : {
    "deprecated" : false,
    "documentation" : "The type of root device used by the AMI. The AMI can use an EBS volume or an instance store volume."
},
"SriovNetSupport" : {
    "deprecated" : false,
    "documentation" : "Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled."
},
"State" : {
    "deprecated" : false,
    "documentation" : "The current state of the AMI. If the state is available, the image is successfully registered and can be used to launch an instance."
}
"ImageId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "<p>The kernel ID.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernel",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"LaunchPermissions" : {
  "deprecated" : false,
  "documentation" : "<p>One or more launch permissions.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "launchPermission",
  "payload" : false,
  "queryName" : null,
  "shape" : "LaunchPermissionList",
  "streaming" : false,
  "xmlNamespace" : null
},
"ProductCodes" : {
  "deprecated" : false,
  "documentation" : "<p>One or more product codes.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "productCodes",
  "payload" : false,
  "queryName" : null,
"shape": "ProductCodeList",
"streaming": false,
"xmlNamespace": null
},
"RamdiskId": {
"deprecated": false,
"documentation": "<p>The RAM disk ID.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ramdisk",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SriovNetSupport": {
"deprecated": false,
"documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sriovNetSupport",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImageAttributeName": {
"deprecated": false,
"documentation": null,
"enum": ["description", "kernel", "ramdisk", "launchPermission", "productCodes", "blockDeviceMapping", "sriovNetSupport" ],
"error": null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ImageDiskContainer" : {
"deprecated" : false,
"documentation" : "<p>Describes the disk container object for an import image task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "<p>The description of the disk image.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceName" : {
"deprecated" : false,
"documentation" : "<p>The block device mapping for the disk.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"member" : null,
"members" : { },
"max" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
};
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "<p>The format of the disk image being imported.</p> <p>Valid values: <code>RAW</code> | <code>VHD</code> | <code>VMDK</code> | <code>OVA</code></p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the EBS snapshot to be used for importing the snapshot.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Url" : {
"deprecated" : false,
"documentation" : "<p>The URL to the Amazon S3-based disk image being imported. The URL can either be a https URL (https://..) or an Amazon S3 URL (s3://..)</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserBucket" : {
"deprecated" : false,
"documentation" : "The S3 bucket for the disk image.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "UserBucket",
"streaming" : false,
"xmlNamespace" : null
}
]
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"ImageDiskContainerList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ImageDiskContainer",
"streaming" : false,
"xmlNamespace" : null
}

"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "Image",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImageState" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "pending", "available", "invalid", "deregistered", "transient", "failed", "error" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"ImageTypeValues" : {
  "deprecated" : false,
  "documentation" : null,
"enum" : [ "machine", "kernel", "ramdisk" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
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"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ImportImageRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ImportImage.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Architecture" : {
      "deprecated" : false,
      "documentation" : "<p>The architecture of the virtual machine.</p> <p>Valid values: <code>i386</code> | <code>x86_64</code></p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "ClientData" : {
      "deprecated" : false,
      "documentation" : "<p>The client-specific data.</p>",
      "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ClientData",
"streaming" : false,
"xmlnsNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>The token to enable idempotency for VM import requests.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description string for the import image task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"DiskContainers" : {
"deprecated" : false,
"documentation" : "<p>Information about the disk containers.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "DiskContainer",
"payload" : false,
"queryName" : null,
"shape" : "ImageDiskContainerList",
"streaming" : false,
"xmlnsNamespace" : null
},
"Hypervisor": {
  "deprecated": false,
  "documentation": "The target hypervisor platform. Valid values: <code>xen</code>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LicenseType": {
  "deprecated": false,
  "documentation": "The license type to be used for the Amazon Machine Image (AMI) after importing. Note: You may only use BYOL if you have existing licenses with rights to use these licenses in a third party cloud like AWS. For more information, see Prerequisites in the VM Import/Export User Guide. Valid values: <code>AWS</code> | <code>BYOL</code>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "The operating system of the virtual machine. Valid values: <code>Windows</code> | <code>Linux</code>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"RoleName": {
  "deprecated": false,
  "documentation": "The name of the role to use when not using the default role, 'vmimport'.",
  "flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportImageResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for ImportImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Architecture" : {
"deprecated" : false,
"documentation" : "<p>The architecture of the virtual machine.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "architecture",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description of the import task.</p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null}
},
"Hypervisor": {
  "deprecated": false,
  "documentation": "<p>The target hypervisor of the import task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "hypervisor",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"ImageId": {
  "deprecated": false,
  "documentation": "<p>The ID of the Amazon Machine Image (AMI) created by the import task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "imageId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"ImportTaskId": {
  "deprecated": false,
  "documentation": "<p>The task ID of the import image task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "importTaskId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LicenseType" : {
  "deprecated" : false,
  "documentation" : "<p>The license type of the virtual machine.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "licenseType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Platform" : {
  "deprecated" : false,
  "documentation" : "<p>The operating system of the virtual machine.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "platform",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"Progress" : {
  "deprecated" : false,
  "documentation" : "<p>The progress of the task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "progress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"SnapshotDetails" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the snapshots.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "snapshotDetailSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "SnapshotDetailSet",
  "streaming" : false,
  "xmlNamespace" : null
}
"shape" : "SnapshotDetailList",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>A brief status of the task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>A detailed status message of the import task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportImageTask" : {
"deprecated" : false,
"documentation" : "<p>Describes an import image task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Architecture" : {
    "deprecated" : false,
    "documentation" : "<p>The architecture of the virtual machine.</p> Valid values: <code>i386</code> | <code>x86_64</code> <code></code>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "architecture",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>A description of the import task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "description",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Hypervisor" : {
    "deprecated" : false,
    "documentation" : "<p>The target hypervisor for the import task.</p> Valid values: <code>xen</code> <code></code>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "hypervisor",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "ImageId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "image",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "OwnerId" : {
    "deprecated" : false,
    "documentation" : "<p>The owner ID of the Amazon Machine Image (AMI) of the imported virtual machine.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ownerId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "VirtualizationType" : {
    "deprecated" : false,
    "documentation" : "<p>The virtualization type of the virtual machine.</p> Valid values: <code>hvm</code> | <code>paravirtual</code> <code></code>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "virtualizationType",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "imageId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ImportTaskId": {
  "deprecated": false,
  "documentation": "<p>The ID of the import image task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "importTaskId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LicenseType": {
  "deprecated": false,
  "documentation": "<p>The license type of the virtual machine.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "licenseType",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "<p>The description string for the import image task.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"ImportImageTaskList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ImportImageTask",
"streaming" : false,
"xmlNamespace" : null
}
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"ImportInstanceLaunchSpecification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the launch specification for VM import.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AdditionalInfo" : {
      "deprecated" : false,
      "documentation" : "<p>Reserved.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "additionalInfo",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Architecture" : {
      "deprecated" : false,
      "documentation" : "<p>The architecture of the instance.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "architecture",
      "payload" : false,
      "queryName" : null,
      "shape" : "ArchitectureValues",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "GroupIds" : {
      "deprecated" : false,
      "documentation" : "<p>One or more security group IDs.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "GroupId",
      "payload" : false,
      "queryName" : null,
      "shape" : "SecurityGroupIdStringList",}
"streaming": false,
"xmlNamespace": null
},
"GroupNames": {
"deprecated": false,
"documentation": "<p>One or more security group names.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "GroupName",
"payload": false,
"queryName": null,
"shape": "SecurityGroupStringList",
"streaming": false,
"xmlNamespace": null
},
"InstanceInitiatedShutdownBehavior": {
"deprecated": false,
"documentation": "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceInitiatedShutdownBehavior",
"payload": false,
"queryName": null,
"shape": "ShutdownBehavior",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type. For more information about the instance types that you can import, see <a href="http://docs.aws.amazon.com/vm-import/latest/userguide/vmimport-image-import.html#vmimport-instance-types">Instance Types</a> in the VM Import/Export User Guide.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"Monitoring": {
"deprecated": false,
"documentation": "<p>Indicates whether monitoring is enabled.</p>"}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "monitoring",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Placement" : {
  "deprecated" : false,
  "documentation" : "<p>The placement information for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "placement",
  "payload" : false,
  "queryName" : null,
  "shape" : "Placement",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] An available IP address from the IP address range of the subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "<p>[EC2-VPC] The ID of the subnet in which to launch the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "subnetId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"UserData": {
  "deprecated": false,
  "documentation": "The user data to make available to the instance. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
}

"ImportInstanceRequest": {
  "deprecated": false,
  "documentation": "Contains the parameters for ImportInstance.
"enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Description": {
      "deprecated": false,
      "documentation": "A description for the instance being imported."
    }
  }
}

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"streaming": false,
"xmlNamespace": null
},
"DiskImages": {
  "deprecated": false,
  "documentation": "<p>The disk image.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "diskImage",
  "payload": false,
  "queryName": null,
  "shape": "DiskImageList",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchSpecification": {
  "deprecated": false,
  "documentation": "<p>The launch specification.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "launchSpecification",
  "payload": false,
  "queryName": null,
  "shape": "ImportInstanceLaunchSpecification",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "<p>The instance operating system.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "PlatformValues",
  "streaming": false,
  "xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Platform" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImportInstanceResult": {
"deprecated": false,
"documentation": "<p>Contains the output for ImportInstance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"ConversionTask": {
"deprecated": false,
"documentation": "<p>Information about the conversion task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "conversionTask",
"payload": false,
"queryString": null,
"shape": "ConversionTask",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImportInstanceTaskDetails": {
"deprecated": false,
"documentation": "<p>Describes an import instance task.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max" : 0,
"member" : null,
"members" : [
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>A description of the task.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "description",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Platform" : {
    "deprecated" : false,
    "documentation" : "<p>The instance operating system.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "platform",
    "payload" : false,
    "queryName" : null,
    "shape" : "PlatformValues",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Volumes" : {
    "deprecated" : false,
    "documentation" : "<p>One or more volumes.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
"locationName" : "volumes",
"payload" : false,
"queryName" : null,
"shape" : "ImportInstanceVolumeDetailSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Volumes" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportInstanceVolumeDetailItem" : {
"deprecated" : false,
"documentation" : "<p>Describes an import volume task.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AvailabilityZone" : {
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone where the resulting instance will reside.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "availabilityZone",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "BytesConverted" : {
    "deprecated" : false,
    "documentation" : "<p>The number of bytes converted so far.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
"locationName": "bytesConverted",
"payload": false,
"queryName": null,
"shape": "Long",
"streaming": false,
"xmlNamespace": null
},
"Description": {
"deprecated": false,
"documentation": "A description of the task.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Image": {
"deprecated": false,
"documentation": "The image.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "image",
"payload": false,
"queryName": null,
"shape": "DiskImageDescription",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "The status of the import of this particular disk image.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"StatusMessage": {
"deprecated": false,
"documentation": "<p>The status information or errors related to the disk image.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"Volume": {
"deprecated": false,
"documentation": "<p>The volume.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volume",
"payload": false,
"queryName": null,
"shape": "DiskImageVolumeDescription",
"streaming": false,
"xmlnsNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["BytesConverted", "AvailabilityZone", "Image", "Volume", "Status"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ImportInstanceVolumeDetailSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ImportInstanceVolumeDetailItem",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImportKeyPairRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportKeyPair.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"KeyName" : {
"deprecated" : false,
"documentation" : "<p>A unique name for the key pair.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "keyName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"PublicKeyMaterial" : {
"deprecated" : false,
"documentation" : "<p>The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.</p>",
"shape" : "ImportKeyPairRequest",
"streaming" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "publicKeyMaterial",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "KeyName", "PublicKeyMaterial" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportKeyPairResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of ImportKeyPair.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
 "KeyFingerprint" : {
 "deprecated" : false,
 "documentation" : "<p>The MD5 public key fingerprint as specified in section 4 of RFC 4716.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "keyFingerprint",
 "payload" : false,
 "queryName" : null,
 "shape" : "String",
 "streaming" : false,
 "xmlNamespace" : null
 },
 "KeyName" : {
 "deprecated" : false,
 "documentation" : "<p>The key pair name you provided.</p>"},
"publicKeyMaterial" : null,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "KeyName", "PublicKeyMaterial" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportKeyPairResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of ImportKeyPair.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "keyName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportSnapshotRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportSnapshot.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientData" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The client-specific data.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ClientData",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Token to enable idempotency for VM import requests.&lt;/p&gt;",

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"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"Description": {
"deprecated": false,
"documentation": "<p>The description string for the import snapshot task.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"DiskContainer": {
"deprecated": false,
"documentation": "<p>Information about the disk container.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "SnapshotDiskContainer",
"streaming": false,
"xmlNamespace": null
}
},
"RoleName": {
"deprecated": false,
"documentation": "<p>The name of the role to use when not using the default role, 'vmimport'.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"ImportSnapshotResult": {  
  "deprecated": false,  
  "documentation": "<p>Contains the output for ImportSnapshot.</p>",  
  "enum": null,  
  "error": null,  
  "exception": false,  
  "fault": false,  
  "flattened": false,  
  "key": null,  
  "max": 0,  
  "member": null,  
  "members": {  
    "Description": {  
      "deprecated": false,  
      "documentation": "<p>A description of the import snapshot task.</p>",  
      "flattened": false,  
      "idempotencyToken": false,  
      "location": null,  
      "locationName": "description",  
      "payload": false,  
      "queryName": null,  
      "shape": "String",  
      "streaming": false,  
      "xmlnsNamespace": null  
    },  
    "ImportTaskId": {  
      "deprecated": false,  
      "documentation": "<p>The ID of the import snapshot task.</p>",  
      "flattened": false,  
      "idempotencyToken": false,  
      "location": null,  
      "locationName": "importTaskId",  
      "payload": false,  
      "queryName": null,  
      "shape": "String",  
      "streaming": false,  
      "xmlnsNamespace": null  
    }  
  }  
}
"SnapshotTaskDetail": {
  "deprecated": false,
  "documentation": "Information about the import snapshot task.",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "snapshotTaskDetail",
  "payload": false,
  "queryName": null,
  "shape": "SnapshotTaskDetail",
  "streaming": false,
  "xmlNamespace": null
}
},
"ImportSnapshotTask": {
  "deprecated": false,
  "documentation": "Describes an import snapshot task.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Description": {
      "deprecated": false,
      "documentation": "A description of the import snapshot task.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "description",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"ImportTaskId" : {
  "deprecated" : false,
  "documentation" : "The ID of the import snapshot task.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "importTaskId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SnapshotTaskDetail" : {
  "deprecated" : false,
  "documentation" : "Describes an import snapshot task.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "snapshotTaskDetail",
  "payload" : false,
  "queryName" : null,
  "shape" : "SnapshotTaskDetail",
  "streaming" : false,
  "xmlNamespace" : null
}
}
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ImportSnapshotTask",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImportTaskIdList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ImportTaskId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ImportVolumeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ImportVolume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone for the resulting EBS volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName" : "availabilityZone",
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description of the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Image" : {
"deprecated" : false,
"documentation" : "<p>The disk image.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "image",
"payload" : false,
"queryName" : null,
"shape" : "DiskImageDetail",
"streaming" : false,
"xmlnsNamespace" : null
},
"Volume" : {
"deprecated" : false,
"documentation" : "<p>The volume size.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "volume",
"payload" : false,
"queryName" : null,
"shape" : "VolumeDetail",
"streaming" : false,
"xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AvailabilityZone", "Image", "Volume" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ImportVolumeResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output for ImportVolume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ConversionTask" : {
"deprecated" : false,
"documentation" : "<p>Information about the conversion task.</p>",
"streaming" : false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "conversionTask",
"payload": false,
"queryName": null,
"shape": "ConversionTask",
"streaming": false,
"xmlnsNamespace": null

},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false

},
"ImportVolumeTaskDetails": {
"deprecated": false,
"documentation": "<p>Describes an import volume task.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "The Availability Zone where the resulting volume will reside.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null

},
"BytesConverted": {
"deprecated": false,
"documentation": "The number of bytes converted so far.",
"xmlnsNamespace": null

}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bytesConverted",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"Description" : {
  "deprecated" : false,
  "documentation" : "<p>The description you provided when starting the import volume task.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "description",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Image" : {
  "deprecated" : false,
  "documentation" : "<p>The image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "image",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageDescription",
  "streaming" : false,
  "xmlNamespace" : null
},
"Volume" : {
  "deprecated" : false,
  "documentation" : "<p>The volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volume",
  "payload" : false,
  "queryName" : null,
  "shape" : "DiskImageVolumeDescription",
  "streaming" : false,
  "xmlNamespace" : null
}
"xmlNamespace" : null
},
"BlockDeviceMappings" : {
"deprecated" : false,
"documentation" : "<p>Any block device mapping entries for the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "blockDeviceMapping",
"payload" : false,
"queryName" : null,
"shape" : "InstanceBlockDeviceMappingList",
"streaming" : false,
"xmlNamespace" : null
},
"ClientToken" : {
"deprecated" : false,
"documentation" : "<p>The idempotency token you provided when you launched the instance, if applicable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"EbsOptimized" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebsOptimized",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"EnaSupport" : {
"deprecated" : false,
"documentation" : "<p>Specifies whether enhanced networking with ENA is enabled.</p>"},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "enaSupport",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Hypervisor" : {
"deprecated" : false,
"documentation" : "<p>The hypervisor type of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hypervisor",
"payload" : false,
"queryName" : null,
"shape" : "HypervisorType",
"streaming" : false,
"xmlNamespace" : null
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>The IAM instance profile associated with the instance, if applicable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamInstanceProfile",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfile",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AMI used to launch the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "The ID of the instance.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"InstanceLifecycle" : {
  "deprecated" : false,
  "documentation" : "Indicates whether this is a Spot instance or a Scheduled Instance.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceLifecycle",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceLifecycleType",
  "streaming" : false,
  "xmlNamespace" : null
},

"InstanceType" : {
  "deprecated" : false,
  "documentation" : "The instance type.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
},

"KernelId" : {
  "deprecated" : false,
  "documentation" : "The kernel associated with this instance, if applicable.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "kernelId",
  "payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"KeyName": {
  "deprecated": false,
  "documentation": "<p>The name of the key pair, if this instance was launched with an associated key pair.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "keyName",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchTime": {
  "deprecated": false,
  "documentation": "<p>The time the instance was launched.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "launchTime",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlNamespace": null
},
"Monitoring": {
  "deprecated": false,
  "documentation": "<p>The monitoring for the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "monitoring",
  "payload": false,
  "queryName": null,
  "shape": "Monitoring",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkInterfaces": {
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] One or more network interfaces for the instance.</p>"
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceSet",
"payload": false,
"queryName": null,
"shape": "InstanceNetworkInterfaceList",
"streaming": false,
"xmlNamespace": null
},
"Placement": {
  "deprecated": false,
  "documentation": "&lt;p&gt;The location where the instance launched, if applicable.&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "placement",
  "payload": false,
  "queryName": null,
  "shape": "Placement",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "&lt;p&gt;The value is &lt;code&gt;Windows&lt;/code&gt; for Windows instances; otherwise blank.&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "PlatformValues",
  "streaming": false,
  "xmlNamespace": null
},
"PrivateDnsName": {
  "deprecated": false,
  "documentation": "&lt;p&gt;(IPv4 only) The private DNS hostname name assigned to the instance. This DNS hostname can only be used inside the Amazon EC2 network. This name is not available until the instance enters the &lt;code&gt;running&lt;/code&gt; state. &lt;/p&gt; &lt;p&gt;[EC2-VPC] The Amazon-provided DNS server will resolve Amazon-provided private DNS hostnames if you've enabled DNS resolution and DNS hostnames in your VPC. If you are not using the Amazon-provided DNS server in your VPC, your custom domain name servers must resolve the hostname as appropriate.&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "privateDnsName"}
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"PrivateIpAddress": {
  "deprecated": false,
  "documentation": "<p>The private IPv4 address assigned to the instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "privateIpAddress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"ProductCodes": {
  "deprecated": false,
  "documentation": "<p>The product codes attached to this instance, if applicable.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "productCodes",
  "payload": false,
  "queryName": null,
  "shape": "ProductCodeList",
  "streaming": false,
  "xmlNamespace": null
},
"PublicDnsName": {
  "deprecated": false,
  "documentation": "<p>(IPv4 only) The public DNS name assigned to the instance. This name is not available until the instance enters the <code>running</code> state. For EC2-VPC, this name is only available if you've enabled DNS hostnames for your VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "dnsName",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PublicIpAddress": {
"deprecated" : false,
"documentation" : "<p>The public IPv4 address assigned to the instance, if applicable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The RAM disk associated with this instance, if applicable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ramdiskId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RootDeviceName" : {
"deprecated" : false,
"documentation" : "<p>The root device name (for example, <code>/dev/sda1</code> or <code>/dev/xvda</code>).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "rootDeviceName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RootDeviceType" : {
"deprecated" : false,
"documentation" : "<p>The root device type used by the AMI. The AMI can use an EBS volume or an instance store volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "rootDeviceType",
"payload" : false,
"queryName": null,
"shape": "DeviceType",
"streaming": false,
"xmlNamespace": null
},
"SecurityGroups": {
"deprecated": false,
"documentation": "One or more security groups for the instance.

&lt;p&gt;One or more security groups for the instance.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupSet",
"payload": false,
"queryName": null,
"shape": "GroupIdMemberList",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {
"deprecated": false,
"documentation": "Specifies whether to enable an instance launched in a VPC to perform NAT. This
controls whether source/destination checking is enabled on the instance. A value of &lt;code&gt;true&lt;/code&gt; means
checking is enabled, and &lt;code&gt;false&lt;/code&gt; means checking is disabled. The value must be &lt;code&gt;false&lt;/code&gt;
for the instance to perform NAT. For more information, see &lt;a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html"&gt;NAT Instances&lt;/a&gt;
in the &lt;i&gt;Amazon Virtual Private Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SpotInstanceRequestId": {
"deprecated": false,
"documentation": "If the request is a Spot instance request, the ID of the request.

&lt;p&gt;If the request is a Spot instance request, the ID of the request.&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotInstanceRequestId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"SriovNetSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether enhanced networking with the Intel 82599 Virtual Function interface is enabled.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sriovNetSupport",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"State" : {
  "deprecated" : false,
  "documentation" : "<p>The current state of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceState",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceState",
  "streaming" : false,
  "xmlNamespace" : null
},

"StateReason" : {
  "deprecated" : false,
  "documentation" : "<p>The reason for the most recent state transition.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "stateReason",
  "payload" : false,
  "queryName" : null,
  "shape" : "StateReason",
  "streaming" : false,
  "xmlNamespace" : null
},

"StateTransitionReason" : {
  "deprecated" : false,
  "documentation" : "<p>The reason for the most recent state transition. This might be an empty string.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reason"
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the subnet in which the instance is running.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VirtualizationType" : {
"deprecated" : false,
"documentation" : "<p>The virtualization type of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualizationType",
"payload" : false,
"queryName" : null,
"shape" : "VirtualizationType",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The ID of the VPC in which the instance is running.</p>",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"InstanceAttribute": {
"deprecated": false,
"documentation": "<p>Describes an instance attribute.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "<p>The block device mapping of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "InstanceBlockDeviceMappingList",
"streaming": false,
"xmlNamespace": null
},
"DisableApiTermination": {
"deprecated": false,
"documentation": "<p>If the value is <code>true</code>, you can't terminate the instance through the
Amazon EC2 console, CLI, or API; otherwise, you can.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "disableApiTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"EbsOptimized" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the instance is optimized for EBS I/O.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebsOptimized",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"EnaSupport" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether enhanced networking with ENA is enabled.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "enaSupport",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Groups" : {
"deprecated" : false,
"documentation" : "<p>The security groups associated with the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupSet",
"payload" : false,
"queryName" : null,
"shape" : "GroupIdentifierList",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "InstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceInitiatedShutdownBehavior" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "InstanceInitiatedShutdownBehavior",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>The instance type.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "InstanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "<p>The kernel ID.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName" : "kernel",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ProductCodes" : {
"deprecated" : false,
"documentation" : "<p>A list of product codes.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "productCodes",
"payload" : false,
"queryName" : null,
"shape" : "ProductCodeList",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The RAM disk ID.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ramdisk",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RootDeviceName" : {
"deprecated" : false,
"documentation" : "<p>The name of the root device (for example, `<code>/dev/sda1</code>` or `<code>/dev/xvda</code>`).
</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "rootDeviceName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceDestCheck" : {

"deprecated": false,
"documentation": "<p>Indicates whether source/destination checking is enabled. A value of
<code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value
must be <code>false</code> for a NAT instance to perform NAT.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SriovNetSupport": {
"deprecated": false,
"documentation": "<p>Indicates whether enhanced networking with the Intel 82599 Virtual Function interface
is enabled.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sriovNetSupport",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"UserData": {
"deprecated": false,
"documentation": "<p>The user data.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "userData",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
Parameters used to automatically set up EBS volumes when the instance is launched.

```json
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Ebs" : {
"deprecated" : false,
"documentation" : "Parameters used to automatically set up EBS volumes when the instance is launched.
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebs",
"payload" : false,
"queryName" : null,
"shape" : "EbsInstanceBlockDevice",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceBlockDeviceMappingList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "InstanceBlockDeviceMapping",
"streaming" : false,
"xmlNamespace" : null
}
}
"streaming": false,
"xmlNamespace": null
},
"members": [ {} ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"InstanceBlockDeviceMappingSpecification": {
"deprecated": false,
"documentation": "<p>Describes a block device mapping entry.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "DeviceName": {
    "deprecated": false,
    "documentation": "<p>The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "deviceName",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Ebs": {
    "deprecated": false,
    "documentation": "<p>Parameters used to automatically set up EBS volumes when the instance is launched.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ebs",
    "payload": "ebs",
    "wrapper": false}
"queryName": null,
"shape": "EbsInstanceBlockDeviceSpecification",
"streaming": false,
"xmlNamespace": null
},
"NoDevice": {
"deprecated": false,
"documentation": "<p>suppress the specified device included in the block device mapping.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "noDevice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VirtualName": {
"deprecated": false,
"documentation": "<p>The virtual device name.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "virtualName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"InstanceBlockDeviceMappingSpecificationList": {
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"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceBlockDeviceMappingSpecification",
  "streaming" : false,
  "xmlns" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceCapacity" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the instance type that the Dedicated Host supports.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailableCapacity" : {
      "deprecated" : false,
      "documentation" : "<p>The number of instances that can still be launched onto the Dedicated Host.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "availableCapacity",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlns" : false,
      "xmlNamespace" : null
    }
  }
}
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>The instance type size supported by the Dedicated Host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"TotalCapacity" : {
"deprecated" : false,
"documentation" : "<p>The total number of instances that can be launched onto the Dedicated Host.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceCount" : {
"deprecated" : false,
"documentation" : "<p>Describes a Reserved Instance listing state.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceCount" : {
    "deprecated" : false,
    "documentation" : "<p>The number of listed Reserved Instances in the state specified by the
<code>state</code>.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceCount",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "State" : {
    "deprecated" : false,
    "documentation" : "<p>The states of the listed Reserved Instances.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "state",
    "payload" : false,
    "queryName" : null,
    "shape" : "ListingState",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"InstanceCountList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceCount",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceExportDetails" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an instance to export.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "InstanceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the resource being exported.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "instanceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceIpv6Address" : {
"deprecated" : false,
"documentation" : "<p>Describes an IPv6 address.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Ipv6Address" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6Address",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",}
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Monitoring" : {
    "deprecated" : false,
    "documentation" : "<p>The monitoring for the instance.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "monitoring",
    "payload" : false,
    "queryName" : null,
    "shape" : "Monitoring",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"InstanceMonitoringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceMonitoring",
    "streaming" : false,
    "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceNetworkInterface" : {
    "deprecated" : false,
    "documentation" : "<p>Describes a network interface.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Association" : {
            "deprecated" : false,
            "documentation" : "<p>The association information for an Elastic IPv4 associated with the network interface.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "association",
            "payload" : false,
            "shape" : "InstanceNetworkInterface",
            "streaming" : false,
            "type" : "list",
            "value" : null,
            "wrapper" : false
        }
    }
}
"idempotencyToken": false,
"location": null,
"locationName": "ipv6AddressesSet",
"payload": false,
"queryName": null,
"shape": "InstanceIpv6AddressList",
"streaming": false,
"xmlNamespace": null
},
"MacAddress": {
  "deprecated": false,
  "documentation": "<p>The MAC address.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "macAddress",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"OwnerId": {
  "deprecated": false,
  "documentation": "<p>The ID of the AWS account that created the network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ownerId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PrivateDnsName" : {
  "deprecated" : false,
  "documentation" : "<p>The private DNS name.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateDnsName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"PrivateIpAddresses" : {
  "deprecated" : false,
  "documentation" : "<p>One or more private IPv4 addresses associated with the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddressesSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstancePrivateIpAddressList",
  "streaming" : false,
  "xmlNamespace" : null
},

"SourceDestCheck" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to validate network traffic to or from this network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "sourceDestCheck",
  "payload" : false,
  "queryName" : null,}
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "NetworkInterfaceStatus",
"streaming": false,
"xmlNamespace": null
},
"SubnetId": {
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VpcId": {
"deprecated": false,
"documentation": "<p>The ID of the VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"InstanceNetworkInterfaceAssociation" : {
  "deprecated" : false,
  "documentation" : "<p>Describes association information for an Elastic IP address (IPv4).</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "IpOwnerId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the owner of the Elastic IP address.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "ipOwnerId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "PublicDnsName" : {
      "deprecated" : false,
      "documentation" : "<p>The public DNS name.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "publicDnsName",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "PublicIp" : {
      "deprecated" : false,
      "documentation" : "<p>The public IP address or Elastic IP address bound to the network interface.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
"location": null,
"locationName": "publicIp",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"InstanceNetworkInterfaceAttachment": {
"deprecated": false,
"documentation": "<p>Describes a network interface attachment.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AttachTime": {
"deprecated": false,
"documentation": "<p>The time stamp when the attachment initiated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"AttachmentId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface attachment.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "attachmentId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceIndex" : {
"deprecated" : false,
"documentation" : "<p>The index of the device on the instance for the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deviceIndex",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The attachment state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "AttachmentStatus",
"streaming" : false,
"xmlNamespace" : null
}
"InstanceNetworkInterfaceList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceNetworkInterface",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"InstanceNetworkInterfaceSpecification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface.</p>",
  "enum" : null,
  "error" : null,
Indicates whether to assign a public IPv4 address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is `<code>true</code>`.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associatePublicIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlns:namespace" : null
},
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "If set to `<code>true</code>`, the interface is deleted when the instance is terminated. You can specify `<code>true</code>` only if creating a new network interface when launching an instance."",n
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlns:namespace" : null
},
"Description" : {
"deprecated" : false,
"documentation" : "The description of the network interface. Applies only if creating a network interface when launching an instance.""}
"streaming": false,
"xmlNamespace": null
},
"DeviceIndex": {
  "deprecated": false,
  "documentation": "<p>The index of the device on the instance for the network interface attachment. If you are specifying a network interface in a <a>RunInstances</a> request, you must provide the device index.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "deviceIndex",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"Groups": {
  "deprecated": false,
  "documentation": "<p>The IDs of the security groups for the network interface. Applies only if creating a network interface when launching an instance.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "SecurityGroupId",
  "payload": false,
  "queryName": null,
  "shape": "SecurityGroupIdStringList",
  "streaming": false,
  "xmlNamespace": null
},
"Ipv6AddressCount": {
  "deprecated": false,
  "documentation": "<p>A number of IPv6 addresses to assign to the network interface. Amazon EC2 chooses the IPv6 addresses from the range of the subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipv6AddressCount",
  "payload": false,
  "queryName": null,
  "shape": "Integer",
  "streaming": false,
  "xmlNamespace": null
},
"Ipv6Addresses": {
"deprecated" : false,
"documentation" : "<p>One or more IPv6 addresses to assign to the network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6AddressesSet",
"payload" : false,
"queryString" : "Ipv6Addresses",
"shape" : "InstanceIpv6AddressList",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>The private IPv4 address of the network interface. Applies only if creating a network interface when launching an instance. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddresses" : {
"deprecated" : false,
"documentation" : "<p>One or more private IPv4 addresses to assign to the network interface. Only one private IPv4 address can be designated as primary. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request.</p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "privateIpAddressesSet",
"payload": false,
"queryString": "PrivateIpAddresses",
"shape": "PrivateIpAddressSpecificationList",
"streaming": false,
"xmlns": null
},
"SecondaryPrivateIpAddressCount": {
  "deprecated": false,
  "documentation": "The number of secondary private IPv4 addresses. You can't specify this option and specify more than one private IP address using the private IP addresses option. You cannot specify this option if you're launching more than one instance in a <a>RunInstances</a> request."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "secondaryPrivateIpAddressCount",
  "payload": false,
  "queryString": null,
  "shape": "Integer",
  "streaming": false,
  "xmlns": null
},
"SubnetId": {
  "deprecated": false,
  "documentation": "The ID of the subnet associated with the network string. Applies only if creating a network interface when launching an instance."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "subnetId",
  "payload": false,
  "queryString": null,
  "shape": "String",
  "streaming": false,
  "xmlns": null
}
"InstanceNetworkInterfaceSpecificationList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceNetworkInterfaceSpecification",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
},
"InstancePrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a private IPv4 address.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Association" : {
      "deprecated" : false,
      "documentation" : "<p>The association information for an Elastic IP address for the network interface.</p>",

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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "association",
"payload" : false,
"queryName" : null,
"shape" : "InstanceNetworkInterfaceAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"Primary" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether this IPv4 address is the primary private IP address of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "primary",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateDnsName" : {
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 DNS name.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateDnsName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 address of the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
"xmlNamespace" : null
}
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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,"InstanceState" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "InstancePrivateIpAddress",
"streaming" : false,
"xmlns" : null
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,"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceState" : {
"deprecated" : false,
"documentation" : "<p>Describes the current state of an instance.</p>"
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
    "Code": {
        "documentation": "The low byte represents the state. The high byte is an opaque internal value and should be ignored."
    },
    "Name": {
        "documentation": "The current state of the instance."
    }
},
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
"InstanceStateChange" : {
    "deprecated" : false,
    "documentation" : "<p>Describes an instance state change.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "CurrentState" : {
            "deprecated" : false,
            "documentation" : "<p>The current state of the instance.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "currentState",
            "payload" : false,
            "queryName" : null,
            "shape" : "InstanceState",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "InstanceId" : {
            "deprecated" : false,
            "documentation" : "<p>The ID of the instance.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "instanceId",
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "PreviousState" : {
            "deprecated" : false,
            "documentation" : "<p>The previous state of the instance.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : "previousState",
            "payload" : false,
            "queryName" : null,
"deprecated" : false,
"documentation" : null,
"enum" : [ "pending", "running", "shutting-down", "terminated", "stopping", "stopped" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"InstanceStatus" : {
"deprecated" : false,
"documentation" : "<p>Describes the status of an instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { 
"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone of the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Events" : {
"deprecated" : false,
"documentation" : "<p>Any scheduled events associated with the instance.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "eventsSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStatusEventList",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the instance.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceState" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The intended state of the instance. &lt;a&gt;DescribeInstanceStatus&lt;/a&gt; requires that an instance be in the &lt;code&gt;running&lt;/code&gt; state.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceState",
"payload" : false,
"queryName" : null,
"shape" : "InstanceState",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceStatus" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Reports impaired functionality that stems from issues internal to the instance, such as impaired reachability.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceStatus",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStatusSummary",
"streaming": false,
"xmlNamespace": null
},
"SystemStatus": {
  "deprecated": false,
  "documentation": "<p>Reports impaired functionality that stems from issues related to the systems that support an instance, such as hardware failures and network connectivity problems.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "systemStatus",
  "payload": false,
  "queryName": null,
  "shape": "InstanceStatusSummary",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"InstanceStatusDetails": {
  "deprecated": false,
  "documentation": "<p>Describes the instance status.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ImpairedSince": {
      "deprecated": false,
      "documentation": "<p>The time when a status check failed. For an instance that was launched and impaired, this is the time when the instance was launched.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "impairedSince",
      "payload": false,
      "xmlNamespace": null
    }
  }
}
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "InstanceStatusDetails",
  "streaming": false,
  "xmlNamespace": false
},
"members": {
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
},
"InstanceStatusEvent": {
  "deprecated": false,
  "documentation": "<p>Describes a scheduled event for an instance.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Code": {
      "deprecated": false,
      "documentation": "<p>The event code.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "code",
      "payload": false,
      "queryName": null,
      "shape": "EventCode",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"streaming": false,
"xmlnsNamespace": null
},

"Description": {
  "deprecated": false,
  "documentation": "<p>A description of the event.&lt;/p> &lt;p&gt;After a scheduled event is completed, it can still be
  described for up to a week. If the event has been completed, this description starts with the following text:
  [Completed].&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "description",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlnsNamespace": null
},

"NotAfter": {
  "deprecated": false,
  "documentation": "<p>The latest scheduled end time for the event.&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "notAfter",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlnsNamespace": null
},

"NotBefore": {
  "deprecated": false,
  "documentation": "<p>The earliest scheduled start time for the event.&lt;/p&gt;",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "notBefore",
  "payload": false,
  "queryName": null,
  "shape": "DateTime",
  "streaming": false,
  "xmlnsNamespace": null
}
}
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceStatus",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"InstanceStatusSummary" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the status of an instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Details" : {
      "deprecated" : false,
      "documentation" : "<p>The system instance health or application instance health.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "details",
      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceStatusDetailsList",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  }
}
"Status": {
  "deprecated": false,
  "documentation": "<p>The status.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "status",
  "payload": false,
  "queryName": null,
  "shape": "SummaryStatus",
  "streaming": false,
  "xmlNamespace": null
}
"InstanceType": {
  "deprecated": false,
  "documentation": null,
  "enum": ["t1.micro", "t2.nano", "t2.micro", "t2.small", "t2.medium", "t2.large", "t2.xlarge", "t2.2xlarge",
"m1.small", "m1.medium", "m1.large", "m1.xlarge", "m3.medium", "m3.large", "m3.xlarge", "m3.2xlarge",
"m4.large", "m4.xlarge", "m4.2xlarge", "m4.4xlarge", "m4.10xlarge", "m4.16xlarge", "m2.xlarge", "m2.2xlarge",
"m2.4xlarge", "cr1.8xlarge", "r3.large", "r3.xlarge", "r3.2xlarge", "r3.8xlarge", "r4.large", "r4.xlarge",
"r4.2xlarge", "r4.4xlarge", "r4.8xlarge", "r4.16xlarge", "x1.16xlarge", "x1.32xlarge", "i2.xlarge", "i2.2xlarge",
"i2.4xlarge", "i2.8xlarge", "hi1.4xlarge", "hs1.8xlarge", "c1.medium", "c1.xlarge", "c3.large", "c3.xlarge",
"c3.2xlarge", "c3.4xlarge", "c3.8xlarge", "c4.large", "c4.xlarge", "c4.2xlarge", "c4.4xlarge", "c4.8xlarge",
"cc1.4xlarge", "cc2.8xlarge", "g2.2xlarge", "g2.8xlarge", "cg1.4xlarge", "p2.xlarge", "p2.8xlarge", "p2.16xlarge",
"d2.xlarge", "d2.2xlarge", "d2.4xlarge", "d2.8xlarge", "f1.2xlarge", "f1.16xlarge"]
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": { },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},

"InstanceTypeList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"members": [{}],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},

"Integer": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "integer",
"value" : null,
"wrapper" : false
},
"InternetGateway" : {
"deprecated" : false,
"documentation" : "<p>Describes an Internet gateway.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attachments" : {
"deprecated" : false,
"documentation" : "<p>Any VPCs attached to the Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachmentSet",
"payload" : false,
"queryName" : null,
"shape" : "InternetGatewayAttachmentList",
"streaming" : false,
"xmlNamespace" : null
},
"InternetGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Internet gateway.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "internetGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"Tags" : {
    "deprecated" : false,
    "documentation" : "Any tags assigned to the Internet gateway."
},
"InternetGatewayAttachment" : {
    "deprecated" : false,
    "documentation" : "Describes the attachment of a VPC to an Internet gateway or an egress-only Internet gateway.
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "State" : {
            "deprecated" : false,
            "documentation" : "The current state of the attachment."
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
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"xmlNamespace": null
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"documentation": "<p>The IP protocol name (<code(tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml">Protocol Numbers</a>). </p>
[EC2-VPC only] Use <code>-1</code> to specify all protocols. When authorizing security group rules, specifying <code>-1</code> or a protocol number other than <code>tcp</code>, <code>udp</code>, <code>icmp</code>, or <code>58</code> (ICMPv6) allows traffic on all ports, regardless of any port range you specify. For <code>tcp</code>, <code>udp</code>, and <code>icmp</code>, you must specify a port range. For <code>58</code> (ICMPv6), you can optionally specify a port range; if you don't, traffic for all types and codes is allowed when authorizing rules.</p>",
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"documentation" : "<p>(Valid for <a>AuthorizeSecurityGroupEgress</a>,
<a>RevokeSecurityGroupEgress</a> and <a>DescribeSecurityGroups</a> only) One or more prefix list IDs for an
AWS service. In an <a>AuthorizeSecurityGroupEgress</a> request, this is the AWS service that you want to access
through a VPC endpoint from instances associated with the security group.</p>",
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The IPv6 CIDR range. You can either specify a CIDR range or a source security group, not both. To specify a single IPv6 address, use the /128 prefix.

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    "documentation" : "<p>The AWS account ID.</p>",
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  "documentation" : null,
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"queryName": null,

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"streaming": false,

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  "queryName": null,

  "shape": "LaunchPermissionList",

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"flattened": false,
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"queryName": null,
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"streaming": false,
"xmlNamespace": null
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"documentation": "<p>The IAM instance profile.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iamInstanceProfile",
"payload": false,
"queryName": null,
"shape": "IamInstanceProfileSpecification",
"streaming": false,
"xmlNamespace": null
},
"ImageId": {
"deprecated": false,
"documentation": "<p>The ID of the AMI.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "imageId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"KernelId": {
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "kernelId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"KeyName" : {
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "keyName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"MonitoringEnabled" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "monitoring",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaces" : {
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceNetworkInterfaceSpecificationList",
"streaming" : false,
"xmlNamespace" : null
},
"Placement" : {
  "deprecated" : false,
  "documentation" : "<p>The placement information for the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "placement",
  "payload" : false,
  "queryString" : null,
  "shape" : "SpotPlacement",
  "streaming" : false,
  "xmlNamespace" : null
},
"RamdiskId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the RAM disk.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ramdiskId",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SecurityGroups" : {
  "deprecated" : false,
  "documentation" : "<p>One or more security group names.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "securityGroup",
  "payload" : false,
  "queryString" : null,
  "shape" : "GroupNameStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"SubnetId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the subnet in which to launch the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

```json
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserData" : {
"deprecated" : false,
"documentation" : "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "userData",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
]

"LaunchSpecsList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "SpotFleetLaunchSpecification",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 1,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ListingState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "available", "sold", "cancelled", "pending" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ListingStatus" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "active", "pending", "cancelled", "closed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"required": null,
"streaming": false,
"type": "integer",
"value": null,
"wrapper": false
}

"ModifyHostsRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ModifyHosts.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AutoPlacement": {
      "deprecated": false,
      "documentation": "<p>Specify whether to enable or disable auto-placement.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "autoPlacement",
      "payload": false,
      "queryName": null,
      "shape": "AutoPlacement",
      "streaming": false,
      "xmlNamespace": null
    },
    "HostIds": {
      "deprecated": false,
      "documentation": "<p>The host IDs of the Dedicated Hosts you want to modify.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "hostId",
      "payload": false,
      "queryName": null,
      "shape": "RequestHostIdList",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "payload": null,
"required" : [ "HostIds", "AutoPlacement" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyHostsResult" : {
"deprecated" : false,
"documentation" : "\p>Contains the output of ModifyHosts.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Successful" : {
"deprecated" : false,
"documentation" : "\p>The IDs of the Dedicated Hosts that were successfully modified.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "successful",
"payload" : false,
"queryName" : null,
"shape" : "ResponseHostIdList",
"streaming" : false,
"xmlnsNamespace" : null
},
"Unsuccessful" : {
"deprecated" : false,
"documentation" : "\p>The IDs of the Dedicated Hosts that could not be modified. Check whether the setting you requested can be used.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unsuccessful",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemList",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ModifyIdFormatRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters of ModifyIdFormat.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Resource": {
      "deprecated": false,
      "documentation": "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlnsNamespace": null
    },
    "UseLongIds": {
      "deprecated": false,
      "documentation": "<p>Indicate whether the resource should use longer IDs (17-character IDs).</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlnsNamespace": null
    }
  },
  "min": 0,
"pattern" : null,
"payload" : null,
"required" : [ "Resource", "UseLongIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyIdentityIdFormatRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters of ModifyIdentityIdFormat.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "PrincipalArn" : {
      "deprecated" : false,
      "documentation" : "<p>The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify <code>all</code> to modify the ID format for all IAM users, IAM roles, and the root user of the account.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "principalArn",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Resource" : {
      "deprecated" : false,
      "documentation" : "<p>The type of resource: <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code></p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "resource",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
  }
}
"UseLongIds" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the resource should use longer IDs (17-character IDs)</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "useLongIds",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
}

"ModifyImageAttributeRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Contains the parameters for ModifyImageAttribute.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Attribute" : {
            "deprecated" : false,
            "documentation" : "<p>The name of the attribute to modify.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    }
}
"Description" : {
  "deprecated" : false,
  "documentation" : "<p>A description for the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the AMI.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"LaunchPermission" : {
  "deprecated" : false,
  "documentation" : "<p>A launch permission modification.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "LaunchPermissionModifications",
  "streaming" : false,
  "xmlNamespace" : null
},
"OperationType" : {
  "deprecated" : false,
  "documentation" : "<p>The operation type.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
"queryName" : null,
"shape" : "OperationType",
"streaming" : false,
"xmlNamespace" : null
},
"ProductCodes" : {
"deprecated" : false,
"documentation" : "One or more product codes. After you add a product code to an AMI, it can't be removed. This is only valid when modifying the "productCodes" attribute.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ProductCode",
"payload" : false,
"queryName" : null,
"shape" : "ProductCodeStringList",
"streaming" : false,
"xmlNamespace" : null
},
"UserGroups" : {
"deprecated" : false,
"documentation" : "One or more user groups. This is only valid when modifying the "launchPermission" attribute.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserGroup",
"payload" : false,
"queryName" : null,
"shape" : "UserGroupStringList",
"streaming" : false,
"xmlNamespace" : null
},
"UserIds" : {
"deprecated" : false,
"documentation" : "One or more AWS account IDs. This is only valid when modifying the "launchPermission" attribute.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserId",
"payload" : false,
"queryName" : null,
"shape" : "UserIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"Value" : {

"deprecated" : false,
"documentation" : "<p>The value of the attribute being modified. This is only valid when modifying the
<code>description</code> attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
",
"ModifyInstanceAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyInstanceAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Attribute" : {
"deprecated" : false,
"documentation" : "<p>The name of the attribute.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attribute",
"payload" : false,
"queryName" : null,
"shape" : "InstanceAttributeName",
"streaming" : false,
"xmlNamespace" : null
}
]}
"BlockDeviceMappings" : {
  "deprecated" : false,
  "documentation" : "<p>Modifies the <code>DeleteOnTermination</code> attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for <code>DeleteOnTermination</code>, the default is <code>true</code> and the volume is deleted when the instance is terminated.</p>  <p>To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/block-device-mapping-concepts.html#Using_OverridingAMIBDM">Updating the Block Device Mapping when Launching an Instance</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p> "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "blockDeviceMapping",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceBlockDeviceMappingSpecificationList",
  "streaming" : false,
  "xmlNamespace" : null
},
"DisableApiTermination" : {
  "deprecated" : false,
  "documentation" : "<p>If the value is <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.</p> "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "disableApiTermination",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"EbsOptimized" : {
  "deprecated" : false,
  "documentation" : "<p>Specifies whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance.</p> "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ebsOptimized",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
"xmlNamespace" : null
},
"EnaSupport" : {
  "deprecated" : false,
  "documentation" : "<p>Set to <code>true</code> to enable enhanced networking with ENA for the instance. </p>
  <p>This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable. </p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "enaSupport",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"Groups" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it's just the default security group for the VPC. You must specify the security group ID, not the security group name. &lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "GroupId",
  "payload" : false,
  "queryName" : null,
  "shape" : "GroupIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of the instance. &lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceInitiatedShutdownBehavior" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Specifies whether an instance stops or terminates when you initiate shutdown from the
instance (using the operating system command for system shutdown).</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceInitiatedShutdownBehavior",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>Changes the instance type to the specified value. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a>. If the instance type is not valid, the error returned is <code>InvalidInstanceAttributeValue</code>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Kernel": {
"deprecated": false,
"documentation": "<p>Changes the instance's kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>. </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kernel",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Ramdisk": {
"deprecated": false,
"documentation": "<p>Changes the instance's RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedKernels.html">PV-GRUB</a>.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "ramdisk",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceDestCheck" : {
"deprecated" : false,
"documentation" : "<p>Specifies whether source/destination checking is enabled. A value of
<code>true</code> means that checking is enabled, and <code>false</code> means checking is disabled. This
value must be <code>false</code> for a NAT instance to perform NAT.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"SriovNetSupport" : {
"deprecated" : false,
"documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599
Virtual Function interface for the instance.</p>
<p>There is no way to disable enhanced networking with the Intel
82599 Virtual Function interface at this time.</p>
<p>This option is supported only for HVM instances. Specifying
this option with a PV instance can make it unreachable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "sriovNetSupport",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserData" : {
"deprecated" : false,
"documentation" : "<p>Changes the instance's user data to the specified value. If you are using an AWS SDK
or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you
must provide Base64-encoded text.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "userData"
A new value for the attribute. Use only with the `kernel`, `ramdisk`, `userData`, `disableApiTermination`, or `instanceInitiatedShutdownBehavior` attribute.

The new affinity setting for the instance.

The new affinity setting for the instance.
"location" : null,
"locationName" : "affinity",
"payload" : false,
"queryName" : null,
"shape" : "Affinity",
"streaming" : false,
"xmlNamespace" : null
},
"HostId" : {
"deprecated" : false,
"documentation" : "p>The ID of the Dedicated Host that the instance will have affinity with.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceId" : {
"deprecated" : false,
"documentation" : "p>The ID of the instance that you are modifying.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tenancy" : {
"deprecated" : false,
"documentation" : "p>The tenancy of the instance that you are modifying.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tenancy",
"payload" : false,
"queryName" : null,
"shape" : "HostTenancy",
"streaming" : false,
"xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyInstancePlacementResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ModifyInstancePlacement.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Return" : {
      "deprecated" : false,
      "documentation" : "Is <code>true</code> if the request succeeds, and an error otherwise."",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "return",
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"ModifyNetworkInterfaceAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ModifyNetworkInterfaceAttribute.</p>",
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Attachment" : {
    "deprecated" : false,
    "documentation" : "Information about the interface attachment. If modifying the 'delete on termination' attribute, you must specify the ID of the interface attachment.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attachment",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterfaceAttachmentChanges",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "A description for the network interface."
  },
  "Groups" : {
    "deprecated" : false,
    "documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "SecurityGroupId",
    "payload" : false,
    "queryName" : null,
    "shape" : "SecurityGroupIdStringList",
    "streaming" : false
  }
},

"Groups" : {
  "deprecated" : false,
  "documentation" : "Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it's just the default security group in the VPC. You must specify the ID of the security group, not the name."
},

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "SecurityGroupIdStringList",
"streaming" : false,
"xmlNamespace" : null,
},
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SourceDestCheck" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether source/destination checking is enabled. A value of <code>true</code> means checking is enabled, and <code>false</code> means checking is disabled. This value must be <code>false</code> for a NAT instance to perform NAT. For more information, see <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_Instance.html">NAT Instances</a> in the <i>Amazon Virtual Private Cloud User Guide</i></p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "sourceDestCheck",
"payload" : false,
"queryString" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ModifyReservedInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyReservedInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see '<a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html"">Ensuring Idempotency</a>".

The IDs of the Reserved Instances to modify.

The configuration settings for the Reserved Instances to modify.
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Attribute" : {
    "deprecated" : false,
    "documentation" : "<p>The snapshot attribute to modify.</p> 
    <note> 
    <p>Only volume creation permissions may be modified at the customer level.</p> 
    </note> ",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "SnapshotAttributeName",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "CreateVolumePermission" : {
    "deprecated" : false,
    "documentation" : "<p>A JSON representation of the snapshot attribute modification.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "CreateVolumePermissionModifications",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupNames" : {
    "deprecated" : false,
    "documentation" : "<p>The group to modify for the snapshot.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "UserGroup",
    "payload" : false,
    "queryName" : null,
    "shape" : "GroupNameStringList",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"OperationType" : {
  "deprecated" : false,
  "documentation" : "<p>The type of operation to perform to the attribute.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "OperationType",
  "streaming" : false,
  "xmlNamespace" : null
},
"SnapshotId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the snapshot.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserIds" : {
  "deprecated" : false,
  "documentation" : "<p>The account ID to modify for the snapshot.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "UserId",
  "payload" : false,
  "queryName" : null,
  "shape" : "UserIdStringList",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SnapshotId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false,
"ModifySpotFleetRequestRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ModifySpotFleetRequest.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "ExcessCapacityTerminationPolicy": {
      "deprecated": false,
      "documentation": "<p>Indicates whether running Spot instances should be terminated if the target capacity of
the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "excessCapacityTerminationPolicy",
      "payload": false,
      "queryName": null,
      "shape": "ExcessCapacityTerminationPolicy",
      "streaming": false,
      "xmlNamespace": null
    },
    "SpotFleetRequestId": {
      "deprecated": false,
      "documentation": "<p>The ID of the Spot fleet request.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "spotFleetRequestId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "TargetCapacity": {
      "deprecated": false,
      "documentation": "<p>The size of the fleet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "targetCapacity",
      "..."}
"value" : null,
"wrapper" : false
},
"ModifySubnetAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifySubnetAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssignIpv6AddressOnCreation" : {
    "deprecated" : false,
    "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that’s created when launching an instance into the subnet (the instance therefore receives an IPv6 address). <code>&lt;p&gt;If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it’s created using version &lt;code&gt;2016-11-15&lt;/code&gt; or later of the Amazon EC2 API.&lt;/p&gt;&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "MapPublicIpOnLaunch" : {
    "deprecated" : false,
    "documentation" : "<p>Specify <code>true</code> to indicate that network interfaces created in the specified subnet should be assigned a public IPv4 address. This includes a network interface that’s created when launching an instance into the subnet (the instance therefore receives a public IPv4 address).&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"ModifyVolumeAttributeRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVolumeAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AutoEnableIO" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the volume should be auto-enabled for I/O operations.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"VolumeId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the volume.</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

},
"ModifyVolumeRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Iops" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"Size": {
"deprecated": false,
"documentation": "Target size in GiB of the volume to be modified. Target volume size must be greater than or equal to than the existing size of the volume. For information about available EBS volume sizes, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html</a>. Default: If no size is specified, the existing size is retained. </p>,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"VolumeId": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"VolumeType": {
"deprecated": false,
"documentation": "Target EBS volume type of the volume to be modified</p> Valid values are <code>io1</code> | <code>gp2</code> | <code>sc1</code> | <code>st1</code> The API does not support modifications for volume type <code>standard</code>. You also cannot change the type of a volume to <code>standard</code>. </p>,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "VolumeType",
"streaming": false,
"xmlNamespace": null
},

"min": 0,
"pattern": null,
"payload": null,
"required": [ "VolumeId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"ModifyVolumeResult": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VolumeModification": {
"deprecated": false,
"documentation": "<p>A <a>VolumeModification</a> object.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "volumeModification",
"payload": false,
"queryName": null,
"shape": "VolumeModification",
"streaming": false,
"xmlNamespace": null
}
},

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"ModifyVpcAttributeRequest": {

}
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ModifyVpcAttribute.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "EnableDnsHostnames" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you've enabled DNS support.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "EnableDnsSupport" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range "plus two" will succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.</p> <p>You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlnsNamespace" : null
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
}
"min": 0,
"pattern": null,
"payload": null,
"required": ["VpcId"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ModifyVpcEndpointRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for ModifyVpcEndpoint.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AddRouteTableIds": {
"deprecated": false,
"documentation": "<p>One or more route tables IDs to associate with the endpoint.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "AddRouteTableId",
"payload": false,
"queryName": null,
"shape": "ValueStringList",
"streaming": false,
"xmlNamespace": null
}
},
"PolicyDocument": {
"deprecated": false,
"documentation": "<p>A policy document to attach to the endpoint. The policy must be in valid JSON format.</p>"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RemoveRouteTableIds" : {
  "deprecated" : false,
  "documentation" : "<p>One or more route table IDs to disassociate from the endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "RemoveRouteTableId",
  "payload" : false,
  "queryName" : null,
  "shape" : "ValueStringList",
  "streaming" : false,
  "xmlNamespace" : null
},
"ResetPolicy" : {
  "deprecated" : false,
  "documentation" : "<p>Specify <code>true</code> to reset the policy document to the default policy. The default policy allows access to the service.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcEndpointId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
"xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "VpcEndpointId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"ModifyVpcEndpointResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of ModifyVpcEndpoint.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Return" : {
"deprecated" : false,
"documentation" : "<p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "return",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"ModifyVpcPeeringConnectionOptionsRequest" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AccepterPeeringConnectionOptions" : {
      "deprecated" : false,
      "documentation" : "<p>The VPC peering connection options for the accepter VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "PeeringConnectionOptionsRequest",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "RequesterPeeringConnectionOptions" : {
      "deprecated" : false,
      "documentation" : "<p>The VPC peering connection options for the requester VPC.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "PeeringConnectionOptionsRequest",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "VpcPeeringConnectionId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the VPC peering connection.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
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      "payload" : false,
      "queryName" : null,
      "shape" : "String"
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"xmlNamespace": null
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"value": null,
"wrapper": false
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"exception": false,
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"max": 0,
"member": null,
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"flattened": false,
"idempotencyToken": false,
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"payload": false,
"queryName": null,
"shape": "PeeringConnectionOptions",
"streaming": false,
"xmlNamespace": null
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"RequesterPeeringConnectionOptions": {
"deprecated": false,
"documentation": "<p>Information about the VPC peering connection options for the requester VPC.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "PeeringConnectionOptions",
"streaming": false,
"xmlNamespace": null
},
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"MonitorInstancesRequest" : {
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"documentation" : "<p>Contains the parameters for MonitorInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"documentation" : "<p>One or more instance IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "InstanceIdStringList",
"streaming" : false,
"xmlNamespace" : null
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},
"min" : 0,
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"type" : "structure",
"value" : null,
"wrapper" : false
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"MonitorInstancesResult" : {
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  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
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      "documentation" : "<p>The monitoring information.</p>",
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      "idempotencyToken" : false,
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      "payload" : false,
      "queryName" : null,
      "shape" : "InstanceMonitoringList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
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  "documentation" : "<p>Describes the monitoring of an instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
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      "idem
"deprecated" : false,
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"flattened" : false,
"idempotencyToken" : false,
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"queryName" : null,
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"xmlNamespace" : null
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"error" : null,
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"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"required" : null,
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"type" : "string",
"value" : null,
"wrapper" : false
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"error" : null,
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"flattened" : false,
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"max" : 0,
"member" : null,
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    "documentation" : "The Elastic IP address.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "publicIp",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "PublicIp" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"MoveAddressToVpcResult" : {
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  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
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      "documentation" : "The allocation ID for the Elastic IP address.",
      "flattened" : false,
      "idempotencyToken" : false,
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      "locationName" : "allocationId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
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"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
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"deprecated": false,
"documentation": "<p>The status of the move of the IP address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"queryName": null,
"shape": "Status",
"streaming": false,
"xmlNamespace": null
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"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"MoveStatus": {
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"documentation": null,
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"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"payload": null,
"required": null,
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"value": null,
"wrapper": false
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
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      "deprecated": false,
      "documentation": "<p>The status of the Elastic IP address that's being moved to the EC2-VPC platform, or restored to the EC2-Classic platform.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
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      "queryName": null,
      "shape": "MoveStatus",
      "streaming": false,
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      "documentation": "<p>The Elastic IP address.</p>",
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      "idempotencyToken": false,
      "location": null,
      "locationName": "publicIp",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
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"type": "structure",
"value": null,
"wrapper": false
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"MovingAddressStatusSet": {
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "MovingAddressStatus",
    "streaming": false,
    "xmlNamespace": null
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  "members": [ {} ],
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  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
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"NatGateway": {
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  "documentation": "<p>Describes a NAT gateway.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"member": null,
"members": {
"CreateTime": {
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"documentation": "The date and time the NAT gateway was created.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "createTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"DeleteTime": {
"deprecated": false,
"documentation": "The date and time the NAT gateway was deleted, if applicable.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "deleteTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"FailureCode": {
"deprecated": false,
"documentation": "If the NAT gateway could not be created, specifies the error code for the failure.
(InsufficientFreeAddressesInSubnet | Gateway.NotAttached | InvalidAllocationID.NotFound | Resource.AlreadyAssociated | InternalError | InvalidSubnetID.NotFound)",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "failureCode",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"FailureMessage": {
"deprecated": false,
"documentation": "If the NAT gateway could not be created, specifies the error message for the failure, that corresponds to the error code.
For InsufficientFreeAddressesInSubnet: l"Subnet has
insufficient free addresses to create this NAT gateway\"</p> <li> <p>For Gateway.NotAttached: "Network vpc-xxxxxxxx has no Internet gateway attached\"</p> <li> <p>For InvalidAllocationID.NotFound: "Elastic IP address eipalloc-xxxxxxxx could not be associated with this NAT gateway\"</p> <li> <p>For Resource.AlreadyAssociated: "Elastic IP address eipalloc-xxxxxxxx is already associated\"</p> <li> <p>For InternalError: "Network interface eni-xxxxxxxx, created and used internally by this NAT gateway is in an invalid state. Please try again.\"</p> <li> <p>For InvalidSubnetID.NotFound: "The specified subnet subnet-xxxxxxxx does not exist or could not be found.\"</p> <ul>
   <li>"flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "failureMessage",
   "payload" : false,
   "queryName" : null,
   "shape" : "String",
   "streaming" : false,
   "xmlNamespace" : null
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   "NatGatewayAddresses" : {
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   "flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "natGatewayAddressSet",
   "payload" : false,
   "queryName" : null,
   "shape" : "NatGatewayAddressList",
   "streaming" : false,
   "xmlNamespace" : null
   },
   "NatGatewayId" : {
   "deprecated" : false,
   "documentation" : "<p>The ID of the NAT gateway.</p>"},
   "flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "natGatewayId",
   "payload" : false,
   "queryName" : null,
   "shape" : "String",
   "streaming" : false,
   "xmlNamespace" : null
   },
   "ProvisionedBandwidth" : {
   "deprecated" : false,
   "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="/http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>,"
contact us through the &lt;a href="https://console.aws.amazon.com/support/home?">Support Center</a>.&lt;/p&gt;

The state of the NAT gateway.&lt;/p&gt; &lt;ul&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;pending&lt;/code&gt;: The NAT gateway is being created and is not ready to process traffic.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;failed&lt;/code&gt;: The NAT gateway could not be created. Check the &lt;code&gt;failureCode&lt;/code&gt; and &lt;code&gt;failureMessage&lt;/code&gt; fields for the reason.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;available&lt;/code&gt;: The NAT gateway is able to process traffic. This status remains until you delete the NAT gateway, and does not indicate the health of the NAT gateway.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;deleting&lt;/code&gt;: The NAT gateway is in the process of being terminated and may still be processing traffic.&lt;/p&gt; &lt;/li&gt; &lt;li&gt; &lt;p&gt;&lt;code&gt;deleted&lt;/code&gt;: The NAT gateway has been terminated and is no longer processing traffic.&lt;/p&gt; &lt;/li&gt; &lt;/ul&gt;";
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,
"min" : 0,
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
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"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AllocationId" : {
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"documentation" : "\<p\>The allocation ID of the Elastic IP address that's associated with the NAT gateway.\</p\>\",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allocationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "\<p\>The ID of the network interface associated with the NAT gateway.\</p\>\"
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
},
"PrivateIp" : {
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  "documentation" : "<p>The private IP address associated with the Elastic IP address.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PublicIp" : {
  "deprecated" : false,
  "documentation" : "<p>The Elastic IP address associated with the NAT gateway.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "publicIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
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"type" : "structure",
"value" : null,
"wrapper" : false
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"exception" : false,
"fault" : false,
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"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "NatGatewayAddress",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
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  "error" : null,
  "exception" : false,
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  "max" : 0,
  "member" : {
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    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
  },
  "members" : [ ],
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  "required" : null,
  "streaming" : false,
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  "value" : null,
  "wrapper" : false
}
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"queryName" : null,
"shape" : "NatGateway",
"streaming" : false,
"xmlNamespace" : null
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"members" : [ ],
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"NatGatewayState" : {
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"documentation" : null,
"enum" : [ "pending", "failed", "available", "deleting", "deleted" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
],
"NetworkAcl" : {
"deprecated" : false,
"documentation" : "<p>Describes a network ACL.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members": {
  "Associations": {
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    "documentation": "Any associations between the network ACL and one or more subnets",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "associationSet",
    "payload": false,
    "queryName": null,
    "shape": "NetworkAclAssociationList",
    "streaming": false,
    "xmlNamespace": null
  },
  "Entries": {
    "deprecated": false,
    "documentation": "One or more entries (rules) in the network ACL",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "entrySet",
    "payload": false,
    "queryName": null,
    "shape": "NetworkAclEntryList",
    "streaming": false,
    "xmlNamespace": null
  },
  "IsDefault": {
    "deprecated": false,
    "documentation": "Indicates whether this is the default network ACL for the VPC",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "default",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  },
  "NetworkAclId": {
    "deprecated": false,
    "documentation": "The ID of the network ACL",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "networkAclId",
    "payload": false,
  }
}
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"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NetworkAclAssociationId" : {
    "deprecated" : false,
    "documentation" : "The ID of the association between a network ACL and a subnet."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkAclAssociationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NetworkAclId" : {
    "deprecated" : false,
    "documentation" : "The ID of the network ACL."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkAclId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SubnetId" : {
    "deprecated" : false,
    "documentation" : "The ID of the subnet."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "subnetId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"NetworkAclAssociationList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
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"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "NetworkAclAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},

"NetworkAclEntry" : {
"deprecated" : false,
"documentation" : "<p>Describes an entry in a network ACL.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max": 0,
"member": null,
"members": {
  "CidrBlock": {
    "deprecated": false,
    "documentation": "<p>The IPv4 network range to allow or deny, in CIDR notation.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "cidrBlock",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Egress": {
    "deprecated": false,
    "documentation": "<p>Indicates whether the rule is an egress rule (applied to traffic leaving the subnet).</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "egress",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  },
  "IcmpTypeCode": {
    "deprecated": false,
    "documentation": "<p>ICMP protocol: The ICMP type and code.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "icmpTypeCode",
    "payload": false,
    "queryName": null,
    "shape": "IcmpTypeCode",
    "streaming": false,
    "xmlNamespace": null
  },
  "Ipv6CidrBlock": {
    "deprecated": false,
    "documentation": "<p>The IPv6 network range to allow or deny, in CIDR notation.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ipv6CidrBlock"
  }
}
"locationName" : "ipv6CidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PortRange" : {
  "deprecated" : false,
  "documentation" : "<p>TCP or UDP protocols: The range of ports the rule applies to.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "portRange",
  "payload" : false,
  "queryName" : null,
  "shape" : "PortRange",
  "streaming" : false,
  "xmlNamespace" : null
},
"Protocol" : {
  "deprecated" : false,
  "documentation" : "<p>The protocol. A value of <code>-1</code> means all protocols.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "protocol",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RuleAction" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether to allow or deny the traffic that matches the rule.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ruleAction",
  "payload" : false,
  "queryName" : null,
  "shape" : "RuleAction",
  "streaming" : false,
  "xmlNamespace" : null
},
"RuleNumber" : {
  "deprecated" : false,
"documentation": "The rule number for the entry. ACL entries are processed in ascending order by rule number.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ruleNumber",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
},
"NetworkAclEntryList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "NetworkAclEntry",
"streaming": false,
"xmlNamespace": null
}
},
"members": { },
"min": 0,
"pattern": null,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Association" : {
    "deprecated" : false,
    "documentation" : "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "association",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterfaceAssociation",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Attachment" : {
    "deprecated" : false,
    "documentation" : "<p>The network interface attachment.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attachment",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterfaceAttachment",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "AvailabilityZone" : {
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "availabilityZone",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Description" : {
    "deprecated" : false,
    "documentation" : "<p>A description.</p>",
    "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"Groups": {
  "deprecated": false,
  "documentation": "Any security groups for the network interface."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "groupSet",
  "payload": false,
  "queryName": null,
  "shape": "GroupIdentifierList",
  "streaming": false,
  "xmlNamespace": null
},

"InterfaceType": {
  "deprecated": false,
  "documentation": "The type of interface."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "interfaceType",
  "payload": false,
  "queryName": null,
  "shape": "NetworkInterfaceType",
  "streaming": false,
  "xmlNamespace": null
},

"Ipv6Addresses": {
  "deprecated": false,
  "documentation": "The IPv6 addresses associated with the network interface."",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "ipv6AddressesSet",
  "payload": false,
  "queryName": null,
  "shape": "NetworkInterfaceIpv6AddressesList",
  "streaming": false,
  "xmlNamespace": null
}
"MacAddress" : {
    "deprecated" : false,
    "documentation" : "<p>The MAC address.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "macAddress",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"NetworkInterfaceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkInterfaceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"OwnerId" : {
    "deprecated" : false,
    "documentation" : "<p>The AWS account ID of the owner of the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ownerId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"PrivateDnsName" : {
    "deprecated" : false,
    "documentation" : "<p>The private DNS name.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "privateDnsName",
    "payload" : false,
    "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv4 address of the network interface within the subnet.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddress",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PrivateIpAddresses" : {
  "deprecated" : false,
  "documentation" : "<p>The private IPv4 addresses associated with the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "privateIpAddressesSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkInterfacePrivateIpAddressList",
  "streaming" : false,
  "xmlNamespace" : null
},
"RequesterId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the entity that launched the instance on your behalf (for example, AWS Management Console or Auto Scaling).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "requesterId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"RequesterManaged" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the network interface is being managed by AWS.</p>",
  "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "requesterManaged",
"payload": false,
"queryString": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SourceDestCheck": {
"deprecated": false,
"documentation": "<p>Indicates whether traffic to or from the instance is validated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "sourceDestCheck",
"payload": false,
"queryString": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryString": null,
"shape": "NetworkInterfaceStatus",
"streaming": false,
"xmlNamespace": null
},
"SubnetId": {
"deprecated": false,
"documentation": "<p>The ID of the subnet.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"TagSet" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceAssociation" : {
  "deprecated" : false,
  "documentation" : "<p>Describes association information for an Elastic IP address (IPv4 only).</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {""}
"AllocationId" : {
    "deprecated" : false,
    "documentation" : "<p>The allocation ID.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "allocationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"AssociationId" : {
    "deprecated" : false,
    "documentation" : "<p>The association ID.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "associationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"IpOwnerId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the Elastic IP address owner.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ipOwnerId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},

"PublicDnsName" : {
    "deprecated" : false,
    "documentation" : "<p>The public DNS name.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "publicDnsName",
    "payload" : false,
    "queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PublicIp" : {
  "deprecated" : false,
  "documentation" : "<p>The address of the Elastic IP address bound to the network interface.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "publicIp",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceAttachment" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface attachment.</p>",
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AttachTime" : {
      "deprecated" : false,
      "documentation" : "<p>The timestamp indicating when the attachment initiated.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "attachTime",
      "payload" : false,
      "queryName" : null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"AttachmentId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface attachment.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachmentId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DeleteOnTermination": {
"deprecated": false,
"documentation": "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "deleteOnTermination",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"DeviceIndex": {
"deprecated": false,
"documentation": "<p>The device index of the network interface attachment on the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "deviceIndex",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"InstanceId": {
"deprecated": false,
"documentation": "<p>The ID of the instance.</p>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceOwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the owner of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceOwnerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Status" : {
  "deprecated" : false,
  "documentation" : "<p>The attachment state.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "AttachmentStatus",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceAttachmentChanges" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an attachment change.</p>",

"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AttachmentId": {
    "deprecated": false,
    "documentation": "<p>The ID of the network interface attachment.</p>";
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "attachmentId",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "DeleteOnTermination": {
    "deprecated": false,
    "documentation": "<p>Indicates whether the network interface is deleted when the instance is terminated.</p>";
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "deleteOnTermination",
    "payload": false,
    "queryName": null,
    "shape": "Boolean",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"NetworkInterfaceAttribute": {
  "deprecated": false,
"type": "list",
"value": null,
"wrapper": false
},
"NetworkInterfaceIpv6Address": [{
  "deprecated": false,
  "documentation": "<p>Describes an IPv6 address associated with a network interface.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [{
    "Ipv6Address": {
      "deprecated": false,
      "documentation": "<p>The IPv6 address.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "ipv6Address",
      "payload": false,
      "queryString": null,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"NetworkInterfaceIpv6AddressesList":{
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkInterfaceIpv6Address",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : null,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "NetworkInterface",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"NetworkInterfacePrivateIpAddress": {
"deprecated": false,
"documentation": "<p>Describes the private IPv4 address of a network interface.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Association": {
"deprecated": false,
"documentation": "<p>The association information for an Elastic IP address (IPv4) associated with the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "association",
"payload": false,
"queryName": null,
"shape": "NetworkInterfaceAssociation",
"streaming": false,
"xmlns": null
},
"Primary": {
"deprecated": false,
"documentation": "<p>Indicates whether this IPv4 address is the primary private IPv4 address of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "primary",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlns": null
}
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "NetworkInterfacePrivateIpAddress",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceStatus" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "available", "attaching", "in-use", "detaching" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"NetworkInterfaceType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "interface", "natGateway" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
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      "documentation" : null,
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
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      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Values" : {
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      "documentation" : null,
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "Value",
    }
  }
}
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}
}
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"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"enum" : [ "standard", "convertible" ],
"error" : null,
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"value" : null,
"wrapper" : false
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"OfferingTypeValues" : { 
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"enum" : null,
"error" : null,
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"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"members" : [ ],
"min" : 0,
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"PaymentOption" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "AllUpfront", "PartialUpfront", "NoUpfront" ],
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"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
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"type" : "string",
"value" : null,
"wrapper" : false
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"documentation" : "<p>Describes the VPC peering connection options.</p>",
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"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"documentation" : "<p>If true, enables a local VPC to resolve public DNS hostnames to private IP addresses when queried from instances in the peer VPC.</p>",
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"xmlNamespace" : null
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"AllowEgressFromLocalClassicLinkToRemoteVpc" : {
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"documentation" : "<p>If true, enables outbound communication from an EC2-Classic instance that's linked to a local VPC via ClassicLink to instances in a peer VPC.</p>",
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"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
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"AllowEgressFromLocalVpcToRemoteClassicLink" : {
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"documentation" : "<p>If true, enables outbound communication from instances in a local VPC to an EC2-
Classic instance that's linked to a peer VPC via ClassicLink.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalVpcToRemoteClassicLink",
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
}
},
"PeeringConnectionOptionsRequest" : {
"deprecated" : false,
"documentation" : "<p>The VPC peering connection options.</p>",
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"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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  "queryName" : null,
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  "xmlnsNamespace" : null
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"PermissionGroup" : {
  "deprecated" : false,
"Placement" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the placement of an instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
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"Placement" : {
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  "documentation" : "<p>Describes the placement of an instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
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  "max" : 0,
  "member" : null,
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      "documentation" : "<p>The affinity setting for the instance on the Dedicated Host. This parameter is not supported for the <a>ImportInstance</a> command.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "affinity",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone of the instance.</p>"
    }
  ]
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"GroupName" : {
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"documentation" : "<p>The name of the placement group the instance is in (for cluster compute
instances).</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
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"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"HostId" : {
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"documentation" : "<p>The ID of the Dedicated Host on which the instance resides. This parameter is not
supported for the <a>ImportInstance</a> command.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tenancy" : {
"deprecated" : false,
"documentation" : "<p>The tenancy of the instance (if the instance is running in a VPC). An instance with a
tenancy of &lt;code&gt;dedicated&lt;/code&gt; runs on single-tenant hardware. The &lt;code&gt;host&lt;/code&gt; tenancy is not
supported for the &lt;a&gt;ImportInstance&lt;/a&gt; command.</p>"
"queryName": null,
"shape": "Tenancy",
"streaming": false,
"xmlNamespace": null
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},
"min": 0,
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"required": null,
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"value": null,
"wrapper": false
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"PlacementGroup": {
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"enum": null,
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"exception": false,
"fault": false,
"flattened": false,
"key": null,
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"documentation": "<p>The name of the placement group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
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"State": {
"deprecated": false,
"documentation": "<p>The state of the placement group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"Strategy" : {
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"documentation" : "<p>The placement strategy.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "strategy",
"payload" : false,
"queryName" : null,
"shape" : "PlacementStrategy",
"streaming" : false,
"xmlNamespace" : null
}
},
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"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"enum" : null,
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"flattened" : false,
"idempotencyToken" : false,
"location" : null,
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"payload" : false,
"queryName" : null,
"shape" : "PlacementGroup",
"streaming" : false,
"value" : null,
"wrapper" : false
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"streaming" : false,
"type" : "structure",
"value" : null,
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"idempotencyToken" : false,
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"queryName" : null,
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"xmlNamespace" : null
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"value" : null,
"wrapper" : false
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"PlatformValues" : {
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"enum" : [ "Windows" ],
"error" : null,
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"fault" : false,
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"key" : null,
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"members" : { },
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"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"PortRange" : {
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  "documentation" : "<p>Describes a range of ports.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { 
    "From" : { 
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      "documentation" : "<p>The first port in the range.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "from",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "To" : { 
      "deprecated" : false,
      "documentation" : "<p>The last port in the range.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "to",
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "value" : null,
      "xmlNamespace" : null
    }
  }
}
"streaming" : false,
"xmlNamespace" : null
}
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"PrefixList" : {
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"documentation" : "<p>Describes prefixes for AWS services.</p>",
"enum" : null,
"error" : null,
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"Cidrs" : {
"deprecated" : false,
"documentation" : "<p>The IP address range of the AWS service.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "cidrSet",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
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",
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"documentation" : "<p>The ID of the prefix.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "prefixListId",
"payload" : false,
"queryName" : null,
"shape" : "String",
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"streaming" : false,
"xmlnsNamespace" : null
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  "documentation" : "<p>The name of the prefix.</p>",
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  "idempotencyToken" : false,
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  "locationName" : "prefixListName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlnsNamespace" : null
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"min" : 0,
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  "documentation" : "<p>The ID of the prefix.</p>",
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  "exception" : false,
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      "idempotencyToken" : false,
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      "locationName" : "prefixListId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  }
}
"streaming": false,
"xmlNamespace": null
}
]
],
"min": 0,
"pattern": null,
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"required": null,
"streaming": false,
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"PrefixListIdList": {
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "PrefixListId",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [ ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
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"PrefixListIdSet": {
  "deprecated": false,
"payload" : false,
"queryName" : null,
"shape" : "PrefixList",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"PriceSchedule" : {
"deprecated" : false,
"documentation" : "<p>Describes the price for a Reserved Instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Active" : {
"deprecated" : false,
"documentation" : "<p>The current price schedule, as determined by the term remaining for the Reserved Instance in the listing.</p> <p>A specific price schedule is always in effect, but only one price schedule can be active at any time. Take, for example, a Reserved Instance listing that has five months remaining in its term. When you specify price schedules for five months and two months, this means that schedule 1, covering the first three months of the remaining term, will be active during months 5, 4, and 3. Then schedule 2, covering the last two months of the term, will be active for months 2 and 1.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "active",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"CurrencyCode" : {
"deprecated" : false,
"documentation": "<p>The currency for transacting the Reserved Instance resale. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "currencyCode",
"payload": false,
"queryName": null,
"shape": "CurrencyCodeValues",
"streaming": false,
"xmlns": null
},
"Price": {
"deprecated": false,
"documentation": "<p>The fixed price for the term.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "price",
"payload": false,
"queryName": null,
"shape": "Double",
"streaming": false,
"xmlns": null
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"Term": {
"deprecated": false,
"documentation": "<p>The number of months remaining in the reservation. For example, 2 is the second to the last month before the capacity reservation expires.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"shape": "Long",
"streaming": false,
"xmlns": null
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"PriceScheduleList" : {
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  "documentation" : null,
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  "wrapper" : false
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"PriceScheduleSpecification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the price for a Reserved Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
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    "CurrencyCode" : {
      "deprecated" : false,
"documentation": "The currency for transacting the Reserved Instance resale. At this time, the only supported currency is \<code>USD</code>.",

"flattened": false,
"idempotencyToken": false,
"location": null,
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"queryName": null,
"shape": "CurrencyCodeValues",
"streaming": false,
"xmlNamespace": null
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"Price": {
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"documentation": "The fixed price for the term.",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "Double",
"streaming": false,
"xmlNamespace": null
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    "streaming" : false,
    "xmlns" : null
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  "documentation" : "<p>Describes a Reserved Instance offering.</p>",
  "enum" : null,
  "error" : null,
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  "flattened" : false,
  "key" : null,
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"flattened" : false,
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"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
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"Price" : {
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"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
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"type" : "structure",
"value" : null,
"wrapper" : false
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"error" : null,
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"fault" : false,
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"member" : {
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"flattened" : false,
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"fault": false,
"flattened": false,
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"member": null,
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"documentation": "<p>Indicates whether the private IPv4 address is the primary private IPv4 address. Only one IPv4 address can be designated as primary.</p>",
"flattened": false,
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"location": null,
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"streaming": false,
"xmlNamespace": null
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"streaming": false,
"xmlNamespace": null
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    "flattened": false,
    "idempotencyToken": false,
    "location": null,
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    "payload": false,
    "queryName": null,
    "shape": "PrivateIpAddressSpecification",
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    "xmlNamespace": null
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
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  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
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  "queryString" : null,
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  "streaming" : false,
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  "error" : null,
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  "member" : null,
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      "documentation" : "<p>The product code.</p>",
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      "idempotencyToken" : false,
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      "streaming" : false,
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  }
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"idempotencyToken": false,
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"shape": "String",
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"xmlNamespace": null
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"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
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"documentation": "The ID of the virtual private gateway (VGW).",
"flattened": false,
"idempotencyToken": false,
"location": null,
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"payload": false,
"queryName": null,
"shape": "String",
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"xmlNamespace": null
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},
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"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"max": 0,
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"documentation": null,
"flattened": false,
"idempotencyToken": false,
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"payload": false,
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"shape": "PropagatingVgw",
"streaming": false,
"xmlNamespace": null
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"type": "list",
"value": null,
"wrapper": false
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"ProvisionedBandwidth": {
"deprecated": false,
"documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ProvisionTime": {
    "deprecated": false,
    "documentation": "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "provisionTime",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
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}
"Provisioned" : {
  "deprecated" : false,
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "provisioned",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
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"RequestTime" : {
  "deprecated" : false,
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "requestTime",
  "payload" : false,
  "queryString" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
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"Requested" : {
  "deprecated" : false,
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "requested",
  "payload" : false,
  "queryString" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Status" : {
  "deprecated" : false,
  "documentation" : "<p>Reserved. If you need to sustain traffic greater than the <a href="http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html">documented limits</a>, contact us through the <a href="https://console.aws.amazon.com/support/home?">Support Center</a>.</p>"}
documented limits, contact us through the Support Center.

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"idempotencyToken" : false,
"location" : null,
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"queryName" : null,
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"streaming" : false,
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"PublicIpStringList" : {
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"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
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"idempotencyToken" : false,
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"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
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"members" : [ ],
"min" : 0,
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
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"deprecated" : false,
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"enum" : null,
"error" : null,
"exception" : false,
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"key" : null,
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"idempotencyToken" : false,
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"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
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"members" : [ ],
"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Purchase" : {
"deprecated" : false,
"documentation" : "<p>Describes the result of the purchase.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency in which the <code>UpfrontPrice</code> and <code>HourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "<p>The duration of the reservation's term in seconds.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"KeyIdSet" : {
}
"deprecated" : false,
"documentation" : "The IDs of the Dedicated Hosts associated with the reservation.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostIdSet",
"payload" : false,
"queryName" : null,
"shape" : "ResponseHostIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"HostReservationId" : {
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"documentation" : "The ID of the reservation."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hostReservationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"HourlyPrice" : {
"deprecated" : false,
"documentation" : "The hourly price of the reservation per hour."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hourlyPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceFamily" : {
"deprecated" : false,
"documentation" : "The instance family on the Dedicated Host that the reservation can be associated with."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceFamily",
"payload" : false,
"queryName" : null,
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"streaming" : false,
"xmlNamespace" : null
},
"PaymentOption" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The payment option for the reservation.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "paymentOption",
  "payload" : false,
  "queryName" : null,
  "shape" : "PaymentOption",
  "streaming" : false,
  "xmlNamespace" : null
},
"UpfrontPrice" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The upfront price of the reservation.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "upfrontPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
} },
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"max": 0,
"member": null,
"members": {
  "ClientToken": {
    "deprecated": false,
    "documentation": "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html">How to Ensure Idempotency</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "CurrencyCode": {
    "deprecated": false,
    "documentation": "<p>The currency in which the <code>totalUpfrontPrice</code>, <code>LimitPrice</code>, and <code>totalHourlyPrice</code> amounts are specified. At this time, the only supported currency is <code>USD</code>.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "CurrencyCodeValues",
    "streaming": false,
    "xmlNamespace": null
  },
  "HostIdSet": {
    "deprecated": false,
    "documentation": "<p>The ID/s of the Dedicated Host/s that the reservation will be associated with.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
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    "streaming": false,
    "xmlNamespace": null
  }
},
"currencyCode": "USD",
"hostIdSet": null,
"LimitPrice" : {
  "deprecated" : false,
  "documentation" : "The specified limit is checked against the total upfront cost of the reservation (calculated as the offering's upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request will fail. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is <code>USD</code>. For example, to indicate a limit price of USD 100, specify 100.00."",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"OfferingId" : {
  "deprecated" : false,
  "documentation" : "The ID of the offering.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
}.
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "OfferingId", "HostIdSet" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"PurchaseHostReservationResult" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "ClientToken" : {
        "deprecated" : false,
        "documentation" : "<p>Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html"&gt;How to Ensure Idempotency&lt;/a&gt; in the &lt;i&gt;Amazon Elastic Compute Cloud User Guide&lt;/i&gt;.&lt;/p&gt;",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "clientToken",
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "CurrencyCode" : {
        "deprecated" : false,
        "documentation" : "&lt;p&gt;The currency in which the &lt;code&gt;totalUpfrontPrice&lt;/code&gt; and &lt;code&gt;totalHourlyPrice&lt;/code&gt; amounts are specified. At this time, the only supported currency is &lt;code&gt;USD&lt;/code&gt;.&lt;/p&gt;",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "currencyCode",
        "payload" : false,
        "queryName" : null,
        "shape" : "CurrencyCodeValues",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Purchase" : {
        "deprecated" : false,
        "documentation" : "&lt;p&gt;Describes the details of the purchase.&lt;/p&gt;&lt;/p&gt;",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "purchase",
        "payload" : false,
        "queryName" : null,
        "shape" : "PurchaseSet",
        "streaming" : false,
        "xmlNamespace" : null
    }
},
"Purchase" : {
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Describes the details of the purchase.&lt;/p&gt;",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "purchase",
    "payload" : false,
    "queryName" : null,
    "shape" : "PurchaseSet",
    "streaming" : false,
    "xmlNamespace" : null
}
"TotalHourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The total hourly price of the reservation calculated per hour.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalHourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"TotalUpfrontPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The total amount that will be charged to your account when you purchase the reservation.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "totalUpfrontPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"members": {
  "InstanceCount": {
    "deprecated": false,
    "documentation": "The number of instances."
  },
  "PurchaseToken": {
    "deprecated": false,
    "documentation": "The purchase token."
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["PurchaseToken", "InstanceCount"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"PurchaseRequestSet": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
}
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "PurchaseRequest",
"payload" : false,
"queryName" : null,
"shape" : "PurchaseRequest",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 1,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"PurchaseReservedInstancesOfferingRequest" : { 
"deprecated" : false,
"documentation" : "<p>Contains the parameters for PurchaseReservedInstancesOffering.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { 
"InstanceCount" : { 
"deprecated" : false,
"documentation" : "<p>The number of Reserved Instances to purchase.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
 },
"LimitPrice" : {
"deprecated" : false,
"documentation" : "<p>Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "limitPrice",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstanceLimitPrice",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesOfferingId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance offering to purchase.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ReservedInstancesOfferingId", "InstanceCount" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PurchaseReservedInstancesOfferingResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of PurchaseReservedInstancesOffering.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [}
"ReservedInstancesId" : {
  "deprecated" : false,
  "documentation" : "<p>The IDs of the purchased Reserved Instances.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"PurchaseScheduledInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for PurchaseScheduledInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see a href="/http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
      "flattened" : false,
      "idempotencyToken" : true,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"streaming": false,
"xmlNamespace": null
},
"PurchaseRequests": {
"deprecated": false,
"documentation": "<p>One or more purchase requests.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "PurchaseRequest",
"payload": false,
"queryName": null,
"shape": "PurchaseRequestSet",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "PurchaseRequests" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"PurchaseScheduledInstancesResult": {
"deprecated": false,
"documentation": "<p>Contains the output of PurchaseScheduledInstances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "ScheduledInstanceSet": {
    "deprecated": false,
    "documentation": "<p>Information about the Scheduled Instances.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "scheduledInstanceSet",
    "payload": false,
    "queryName": null,
    "shape": "PurchasedScheduledInstanceSet",
    "streaming": false,
    "xmlNamespace": null
  }
},
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"PurchaseSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Purchase",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"PurchasedScheduledInstanceSet": {
"deprecated": false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "ScheduledInstance",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RIProductDescription" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "Linux/UNIX", "Linux/UNIX (Amazon VPC)", "Windows", "Windows (Amazon VPC)" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
"RebootInstancesRequest" : {  
  "deprecated" : false,  
  "documentation" : null,  
  "enum" : null,  
  "error" : null,  
  "exception" : false,  
  "fault" : false,  
  "flattened" : false,  
  "key" : null,  
  "max" : 0,  
  "member" : {  
    "deprecated" : false,  
    "documentation" : null,  
    "flattened" : false,  
    "idempotencyToken" : false,  
    "location" : null,  
    "locationName" : "item",  
    "payload" : false,  
    "queryName" : null,  
    "shape" : "ReportInstanceReasonCodes",  
    "streaming" : false,  
    "xmlNamespace" : null  
  },  
  "members" : {  },  
  "min" : 0,  
  "pattern" : null,  
  "payload" : null,  
  "required" : null,  
  "streaming" : false,  
  "type" : "list",  
  "value" : null,  
  "wrapper" : false  
}  
}  
"RebootInstancesRequest" : {  
  "deprecated" : false,  
  "documentation" : "<p>Contains the parameters for RebootInstances.</p>"  
}  
"enum" : null,  
"error" : null,  
"exception" : false,  
"fault" : false,  
"flattened" : false,  
"key" : null,  
"max" : 0,  
"member" : null,
"members": {
  "InstanceIds": {
    "deprecated": false,
    "documentation": "<p>One or more instance IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "InstanceId",
    "payload": false,
    "queryName": null,
    "shape": "InstanceIdStringList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["InstanceIds"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RecurringCharge": {
  "deprecated": false,
  "documentation": "<p>Describes a recurring charge.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Amount": {
      "deprecated": false,
      "documentation": "<p>The amount of the recurring charge.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "amount",
      "payload": false,
      "queryName": null,
      "shape": "Double",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"Frequency": {
  "deprecated": false,
  "documentation": "<p>The frequency of the recurring charge.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "frequency",
  "payload": false,
  "queryName": null,
  "shape": "RecurringChargeFrequency",
  "streaming": false,
  "xmlNamespace": null
},

"RecurringChargeFrequency": {
  "deprecated": false,
  "documentation": null,
  "enum": ["Hourly"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},

"RecurringChargesList": {
  "deprecated": false,
  "documentation": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : [
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "RecurringCharge",
  "streaming" : false,
  "xmlNamespace" : null
],
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"Region" : {
  "deprecated" : false,
  "documentation" : "Describes a region.<p>
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [
  "Endpoint" : {
    "deprecated" : false,
    "documentation" : "The region service endpoint.<p>
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ]
}
"queryName" : null,
"shape" : "Region",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"RegionNameStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "RegionName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}
"RegisterImageRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RegisterImage.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Architecture" : {
      "deprecated" : false,
      "documentation" : '<p>The architecture of the AMI.</p> <p>Default: For Amazon EBS-backed AMIs, <code>i386</code>. For instance store-backed AMIs, the architecture specified in the manifest file.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "architecture",
      "payload" : false,
      "queryName" : null,
      "shape" : "ArchitectureValues",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "BlockDeviceMappings" : {
      "deprecated" : false,
      "documentation" : "One or more block device mapping entries.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "BlockDeviceMapping",
      "payload" : false,
      "queryName" : null,
      "shape" : "BlockDeviceMappingRequestList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Description" : {
      "deprecated" : false,
      "documentation" : "A description for your AMI.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "description",
      "payload" : false,
      "queryName" : null
    }
  }
}
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EnaSupport": {
"deprecated": false,
"documentation": "<p>Set to <code>true</code> to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "enaSupport",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"ImageLocation": {
"deprecated": false,
"documentation": "<p>The full path to your AMI manifest in Amazon S3 storage.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"KernelId": {
"deprecated": false,
"documentation": "<p>The ID of the kernel.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "kernelId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Name": {
"deprecated": false,
"documentation": "<p>A name for your AMI.</p> <p>Constraints: 3-128 alphanumeric characters,
parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes ('), at-signs (@), or underscores(_)/</p>",
        "flattened" : false, 
        "idempotencyToken" : false, 
        "location" : null, 
        "locationName" : "name", 
        "payload" : false, 
        "queryName" : null, 
        "shape" : "String", 
        "streaming" : false, 
        "xmlNamespace" : null 
    }, 
    "RamdiskId" : { 
        "deprecated" : false, 
        "documentation" : "<p>The ID of the RAM disk.</p>" ,
        "flattened" : false, 
        "idempotencyToken" : false, 
        "location" : null, 
        "locationName" : "ramdiskId", 
        "payload" : false, 
        "queryName" : null, 
        "shape" : "String", 
        "streaming" : false, 
        "xmlNamespace" : null 
    }, 
    "RootDeviceName" : { 
        "deprecated" : false, 
        "documentation" : "<p>The name of the root device (for example, <code>/dev/sda1</code>, or <code>/dev/xvda</code>).</p>" ,
        "flattened" : false, 
        "idempotencyToken" : false, 
        "location" : null, 
        "locationName" : "rootDeviceName", 
        "payload" : false, 
        "queryName" : null, 
        "shape" : "String", 
        "streaming" : false, 
        "xmlNamespace" : null 
    }, 
    "SriovNetSupport" : { 
        "deprecated" : false, 
        "documentation" : "<p>Set to <code>simple</code> to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.</p> <p>There is no way to disable <code>sriovNetSupport</code> at this time.</p> <p>This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.</p>" ,
        "flattened" : false, 
        "idempotencyToken" : false, 
        "location" : null,
"locationName" : "sriovNetSupport",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"VirtualizationType" : {
"deprecated" : false,
"documentation" : "<p>The type of virtualization.</p> <p>Default: <code>paravirtual</code> </p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "virtualizationType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Name" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"RegisterImageResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RegisterImage.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the newly registered AMI.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName": "imageId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"xmlNamespace": null
}
]
"RejectVpcPeeringConnectionRequest": {

deprecated": false,
"documentation": "<p>Contains the parameters for RejectVpcPeeringConnection.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"VpcPeeringConnectionId": {

deprecated": false,
"documentation": "<p>The ID of the VPC peering connection.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcPeeringConnectionId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "VpcPeeringConnectionId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RejectVpcPeeringConnectionResult": {
  "deprecated": false,
  "documentation": "\p<\p>Contains the output of RejectVpcPeeringConnection.\p>\p",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Return": {
      "deprecated": false,
      "documentation": "\p<\p>Returns <code>true</code> if the request succeeds; otherwise, it returns an error.\p>\p",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "return",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
},
"ReleaseAddressRequest": {
  "deprecated": false,
  "documentation": "\p<\p>Contains the parameters for ReleaseAddress.\p>\p",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
null
0
null
{}
{
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] The allocation ID. Required for EC2-VPC.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
{
  "deprecated": false,
  "documentation": "<p>[EC2-Classic] The Elastic IP address. Required for EC2-Classic.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
0
null
null
null
false
}
{
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReleaseHosts.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "HostIds" : {
    "deprecated" : false,
    "documentation" : "<p>The IDs of the Dedicated Hosts you want to release.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "hostId",
    "payload" : false,
    "queryName" : null,
    "shape" : "RequestHostIdList",
    "streaming" : false,
    "xmlnsNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "HostIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false,
"ReleaseHostsResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of ReleaseHosts.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Successful" : {
      "deprecated" : false,
      "documentation" : "<p>The IDs of the Dedicated Hosts that were successfully released.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "successful",
      "payload" : false,
      "queryName" : null,
    }
  }
}
"shape" : "ResponseHostIdList",
"streaming" : false,
"xmlNamespace" : null
},
"Unsuccessful" : {
"deprecated" : false,
"documentation" : "The IDs of the Dedicated Hosts that could not be released, including an error message.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unsuccessful",
"payload" : false,
"queryName" : null,
"shape" : "UnsuccessfulItemList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceIamInstanceProfileAssociationRequest" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "The ID of the existing IAM instance profile association.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileSpecification",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "IamInstanceProfile", "AssociationId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceIamInstanceProfileAssociationResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"IamInstanceProfileAssociation" : {
"deprecated" : false,
"documentation" : "<p>Information about the IAM instance profile association.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamInstanceProfileAssociation",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileAssociation",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceNetworkAclAssociationRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ReplaceNetworkAclAssociation.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AssociationId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the current association between the original network ACL and the subnet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "associationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "NetworkAclId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the new network ACL to associate with the subnet.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkAclId",
  }
}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "AssociationId", "NetworkAclId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,
"ReplaceNetworkAclAssociationResult" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;Contains the output of ReplaceNetworkAclAssociation.&lt;/p&gt;",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NewAssociationId" : {
      "deprecated" : false,
      "documentation" : "&lt;p&gt;The ID of the new association.&lt;/p&gt;",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "newAssociationId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlnsNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure"}
"value": null,
"wrapper": false
},
"ReplaceNetworkAclEntryRequest": {
"deprecated": false,
"documentation": " <p>Contains the parameters for ReplaceNetworkAclEntry.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"CidrBlock": {
"deprecated": false,
"documentation": " <p>The IPv4 network range to allow or deny, in CIDR notation (for example &lt;code&gt;172.16.0.0/24&lt;/code&gt;).&lt;/p&gt;",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "cidrBlock",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Egress": {
"deprecated": false,
"documentation": " <p>Indicates whether to replace the egress rule. &lt;/p&gt; &lt;p&gt;Default: If no value is specified, we replace the ingress rule.&lt;/p&gt; ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "egress",
"payload": false,
"queryString": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"IcmpTypeCode": {
"deprecated": false,
"documentation": " <p>ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying the ICMP (1) protocol, or protocol 58 (ICMPv6) with an IPv6 CIDR block.&lt;/p&gt; ",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Icmp",
"payload" : false,
"queryString" : null,
"shape" : "IcmpTypeCode",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6CidrBlock" : {
"deprecated" : false,
"documentation" : "The IPv6 network range to allow or deny, in CIDR notation (for example <code>2001:bd8:1234:1a00::/64</code>).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlock",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkAclId" : {
"deprecated" : false,
"documentation" : "The ID of the ACL.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkAclId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"PortRange" : {
"deprecated" : false,
"documentation" : "TCP or UDP protocols: The range of ports the rule applies to. Required if specifying TCP (6) or UDP (17) for the protocol.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "portRange",
"payload" : false,
"queryString" : null,
"shape" : "PortRange",
"streaming" : false,
"xmlNamespace" : null,
},
"Protocol" : {
"deprecated" : false,
"documentation" : "The IP protocol. You can specify <code>all</code> or <code>-1</code> to mean all protocols. If you specify <code>all</code>, <code>-1</code>, or a protocol number other than <code>tcp</code>, <code>udp</code>, or <code>icmp</code>, traffic on all ports is allowed, regardless of any ports or ICMP types or codes you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol <code>58</code> (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "protocol",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RuleAction" : {
"deprecated" : false,
"documentation" : "Indicates whether to allow or deny the traffic that matches the rule.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ruleAction",
"payload" : false,
"queryName" : null,
"shape" : "RuleAction",
"streaming" : false,
"xmlNamespace" : null
},
"RuleNumber" : {
"deprecated" : false,
"documentation" : "The rule number of the entry to replace.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ruleNumber",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
"pattern" : null,
"payload" : null,
"required" : [ "NetworkAclId", "RuleNumber", "Protocol", "RuleAction", "Egress" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReplaceRouteRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for ReplaceRoute.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "DestinationCidrBlock" : {
      "deprecated" : false,
      "documentation" : "The IPv4 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table."
    },
    "DestinationIpv6CidrBlock" : {
      "deprecated" : false,
      "documentation" : "The IPv6 CIDR address block used for the destination match. The value you provide must match the CIDR of an existing route in the table."
    }
  },
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "destinationCidrBlock",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"EgressOnlyInternetGatewayId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;[IPv6 traffic only] The ID of an egress-only Internet gateway.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "egressOnlyInternetGatewayId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"GatewayId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of an Internet gateway or virtual private gateway.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "gatewayId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The ID of a NAT instance in your VPC.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"NatGatewayId" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;[IPv4 traffic only] The ID of a NAT gateway.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "natGatewayId",
  "payload" : false,
  "queryName" : null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
  "deprecated": false,
  "documentation": "<p>The ID of a network interface.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkInterfaceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"RouteTableId": {
  "deprecated": false,
  "documentation": "<p>The ID of the route table.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "routeTableId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"VpcPeeringConnectionId": {
  "deprecated": false,
  "documentation": "<p>The ID of a VPC peering connection.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "vpcPeeringConnectionId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
",
"min": 0,
"pattern": null,
"payload": null,
"required": [ "RouteTableId" ]
}
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReplaceRouteTableAssociationRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ReplaceRouteTableAssociation.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssociationId": {
      "deprecated": false,
      "documentation": "<p>The association ID.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "associationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "RouteTableId": {
      "deprecated": false,
      "documentation": "<p>The ID of the new route table to associate with the subnet.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "routeTableId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": [ "AssociationId", "RouteTableId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReplaceRouteTableAssociationResult": {
"deprecated": false,
"documentation": "<p>Contains the output of ReplaceRouteTableAssociation.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
   "NewAssociationId": {
      "deprecated": false,
      "documentation": "<p>The ID of the new association.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "newAssociationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
   }
   },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ReportInstanceReasonCodes": {
"deprecated": false,
"documentation": null,
"enum": [ "instance-stuck-in-state", "unresponsive", "not-accepting-credentials", "password-not-available",
"error": null,
"exception": false,
"fault": false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"ReportInstanceStatusRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for ReportInstanceStatus.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "<p>Descriptive text about the health state of your instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"EndTime" : {
"deprecated" : false,
"documentation" : "<p>The time at which the reported instance health state ended.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "endTime",
"payload" : false,
"queryName" : null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"Instances": {
"deprecated": false,
"documentation": "<p>One or more instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceId",
"payload": false,
"queryName": null,
"shape": "InstanceIdStringList",
"streaming": false,
"xmlNamespace": null
},
"ReasonCodes": {
"deprecated": false,
"documentation": "<p>One or more reason codes that describes the health state of your instance.</p>
<ul>
<li> <code>instance-stuck-in-state</code>: My instance is stuck in a state.</li>
<li> <code>unresponsive</code>: My instance is unresponsive.</li>
<li> <code>not-accepting-credentials</code>: My instance is not accepting my credentials.</li>
<li> <code>password-not-available</code>: A password is not available for my instance.</li>
<li> <code>performance-network</code>: My instance is experiencing performance problems which I believe are network related.</li>
<li> <code>performance-instance-store</code>: My instance is experiencing performance problems which I believe are related to the instance stores.</li>
<li> <code>performance-ebs-volume</code>: My instance is experiencing performance problems which I believe are related to an EBS volume.</li>
<li> <code>performance-other</code>: My instance is experiencing performance problems.</li>
<li> <code>other</code>: [explain using the description parameter]</li>
</ul>
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "reasonCode",
"payload": false,
"queryName": null,
"shape": "ReasonCodesList",
"streaming": false,
"xmlNamespace": null
},
"StartTime": {
"deprecated": false,
"documentation": "The time at which the reported instance health state began.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "startTime",
"payload": false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status of all instances listed.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "ReportStatusType",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Instances", "Status", "ReasonCodes" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReportStatusType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "ok", "impaired" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
null,
"member": {  
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},  
"members": {  
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "list",
  "value": null,
  "wrapper": false
},  
"RequestIdList": { 
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {  
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    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },  
  "members": {  
    "min": 0,
    "pattern": null,
    "payload": null,
    "required": null,
    "streaming": false,
    "type": "list",
    "value": null,
    "wrapper": false
  },  
  "RequestIdSet": { 
    "deprecated": false,
    "documentation": null,
    "enum": null,
    "error": null,
    "exception": false,
    "fault": false,
    "flattened": false,
    "key": null,
    "max": 0,
    "member": {  
      "deprecated": false,
      "documentation": null,
      "flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"RequestSpotFleetRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for RequestSpotFleet.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"SpotFleetRequestConfig": {
"deprecated": false,
"documentation": "<p>The configuration for the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": false,
"locationName": "SpotFleetRequestConfig",
"payload": false,
"queryName": null,
"shape": "SpotFleetRequestConfigData",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required" : [ "SpotFleetRequestConfig" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RequestSpotFleetResponse" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of RequestSpotFleet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"SpotFleetRequestId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Spot fleet request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "spotFleetRequestId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotFleetRequestId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RequestSpotInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RequestSpotInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
AvailabilityZoneGroup:

- **AvailabilityZoneGroup**: The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in the same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

BlockDurationMinutes:

- **BlockDurationMinutes**: The required duration for the Spot instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360). The duration period starts as soon as your Spot instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot instance for termination and provides a Spot instance termination notice, which gives the instance a two-minute warning before it terminates. Note that you can't specify an Availability Zone group or a launch group if you specify a duration.

ClientToken:

- **ClientToken**: The user-specified name for a logical grouping of bids. When you specify an Availability Zone group in a Spot Instance request, all Spot instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to bids for Spot Instances of the same instance type. Any additional Spot instance requests that are specified with the same Availability Zone group name are launched in the same Availability Zone, as long as at least one instance from the group is still active. If there is no active instance running in the Availability Zone group that you specify for a new Spot instance request (all instances are terminated, the bid is expired, or the bid falls below current market), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group. **Default**: Instances are launched in any available Availability Zone.
Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see [How to Ensure Idempotency](http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Run_Instance_Idempotency.html) in the Amazon Elastic Compute Cloud User Guide.

The maximum number of Spot instances to launch. Default: 1

The instance launch group. Launch groups are Spot instances that launch together and terminate together. Default: Instances are launched and terminated individually

Launch group. Launch groups are Spot instances that launch together and terminate together.
"payload" : false,
"queryName" : null,
"shape" : "LaunchSpecification",
"streaming" : false,
"xmlnsNamespace" : null
},
"SpotPrice" : {
   "deprecated" : false,
   "documentation" : "<p>The maximum hourly price (bid) for any Spot instance launched to fulfill the request.</p>",
   "flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "spotPrice",
   "payload" : false,
   "queryName" : null,
   "shape" : "String",
   "streaming" : false,
   "xmlnsNamespace" : null
},
"Type" : {
   "deprecated" : false,
   "documentation" : "<p>The Spot instance request type.</p>
   <p>Default: <code>one-time</code></p>",
   "flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "type",
   "payload" : false,
   "queryName" : null,
   "shape" : "SpotInstanceType",
   "streaming" : false,
   "xmlnsNamespace" : null
},
"ValidFrom" : {
   "deprecated" : false,
   "documentation" : "<p>The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.</p>
   <p>Default: The request is effective indefinitely.</p>",
   "flattened" : false,
   "idempotencyToken" : false,
   "location" : null,
   "locationName" : "validFrom",
   "payload" : false,
   "queryName" : null,
   "shape" : "DateTime",
   "streaming" : false,
   "xmlnsNamespace" : null
}
"ValidUntil" : {
  "deprecated" : false,
  "documentation" : "<p>The end date of the request. If this is a one-time request, the request remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date and time is reached.</p> <p>Default: The request is effective indefinitely.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "validUntil",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "SpotPrice" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
]

"RequestSpotInstancesResult" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the output of RequestSpotInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "SpotInstanceRequests" : {
      "deprecated" : false,
      "documentation" : "<p>One or more Spot instance requests.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "spotInstanceRequestSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "SpotInstanceRequestList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RequestSpotLaunchSpecification" : {
"deprecated" : false,
"documentation" : "<p>Describes the launch specification for an instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AddressingType" : {
"deprecated" : false,
"documentation" : "<p>Deprecated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "addressingType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"BlockDeviceMappings" : {
"deprecated" : false,
"documentation" : "<p>One or more block device mapping entries.</p> Although you can specify encrypted EBS volumes in this block device mapping for your Spot Instances, these volumes are not encrypted.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "blockDeviceMapping",
"payload" : false,
"EbsOptimized" : {
  "deprecated" : false,
  "documentation" : "Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS Optimized instance. Default: <code>false</code>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ebsOptimized",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"IamInstanceProfile" : {
  "deprecated" : false,
  "documentation" : "The IAM instance profile.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "iamInstanceProfile",
  "payload" : false,
  "queryName" : null,
  "shape" : "IamInstanceProfileSpecification",
  "streaming" : false,
  "xmlNamespace" : null
},
"ImageId" : {
  "deprecated" : false,
  "documentation" : "The ID of the AMI.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "imageId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {"queryName":null,"shape":"InstanceTypeList","streaming":false,"xmlNamespace":null}
"deprecated" : false,
"documentation" : "<p>The instance type.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "InstanceType",
"streaming" : false,
"xmlNamespace" : null
},
"KernelId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the kernel.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "kernelId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"KeyName" : {
"deprecated" : false,
"documentation" : "<p>The name of the key pair.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "keyName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Monitoring" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "monitoring",
"payload" : false,
"queryName" : null,
"shape" : "Boolean"
"streaming": false,
"xmlns": null
},
"NetworkInterfaces": {
"deprecated": false,
"documentation": "One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "NetworkInterface",
"payload": false,
"queryName": null,
"shape": "InstanceNetworkInterfaceSpecificationList",
"streaming": false,
"xmlns": null
},
"Placement": {
"deprecated": false,
"documentation": "The placement information for the instance.\n\nExample:\n\n```
    Location: us-west-2
    Availability Zone: us-west-2a
```
\nIn the preceding example, the instance is placed in the `us-west-2` region and
the `us-west-2a` availability zone.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "placement",
"payload": false,
"queryName": null,
"shape": "SpotPlacement",
"streaming": false,
"xmlns": null
},
"RamdiskId": {
"deprecated": false,
"documentation": "The ID of the RAM disk.\n\nExample:\n\n```
    Id: ami-123456789
```
\nIn the preceding example, the RAM disk with ID `ami-123456789` is used for
the instance.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ramdiskId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlns": null
},
"SecurityGroupIds": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
"SecurityGroups" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroup",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
}
"SubnetId" : {
"deprecated" : false,
"documentation" : "The ID of the subnet in which to launch the instance."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"UserData" : {
"deprecated" : false,
"documentation" : "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "userData",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"Reservation" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a reservation.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "GroupNames" : {
      "deprecated" : false,
      "documentation" : "<p>One or more security group names.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "groupName",
      "payload" : false,
      "queryName" : null,
      "shape" : "GroupNameStringList",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Groups" : {
      "deprecated" : false,
      "documentation" : "<p>[EC2-Classic only] One or more security groups.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "groupSet",
      "payload" : false,
      "queryName" : null,
      "shape" : "GroupIdentifierList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}
"Instances": {  "deprecated": false,  "documentation": "<p>One or more instances.</p>"",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "instancesSet",  "payload": false,  "queryName": null,  "shape": "InstanceList",  "streaming": false,  "xmlNamespace": null },  "OwnerId": {  "deprecated": false,  "documentation": "<p>The ID of the AWS account that owns the reservation.</p>"",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "ownerId",  "payload": false,  "queryName": null,  "shape": "String",  "streaming": false,  "xmlNamespace": null },  "RequesterId": {  "deprecated": false,  "documentation": "<p>The ID of the requester that launched the instances on your behalf (for example, AWS Management Console or Auto Scaling).</p>"",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "requesterId",  "payload": false,  "queryName": null,  "shape": "String",  "streaming": false,  "xmlNamespace": null },  "ReservationId": {  "deprecated": false,  "documentation": "<p>The ID of the reservation.</p>"",  "flattened": false,  "idempotencyToken": false,  "location": null,  "locationName": "reservationId",  "payload": false,  "queryName": null,  "shape": "String",  "streaming": false,  "xmlNamespace": null },
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null,
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
",
"ReservationList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Reservation",
"streaming": false,
"xmlNamespace": null

},
"members": [ ]
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
"ReservationState" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "payment-pending", "payment-failed", "active", "retired" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},
"ReservationValue" : {
  "deprecated" : false,
  "documentation" : "The cost associated with the Reserved Instance.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "HourlyPrice" : {
      "deprecated" : false,
      "documentation" : "The hourly rate of the reservation.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "hourlyPrice",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "RemainingTotalValue" : {
"deprecated" : false,
"documentation" : "The balance of the total value (the sum of remainingUpfrontValue + hourlyPrice * number of hours remaining).",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "remainingTotalValue",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null}
},
"RemainingUpfrontValue" : {
"deprecated" : false,
"documentation" : "The remaining upfront cost of the reservation.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "remainingUpfrontValue",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstanceIdSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
ReservedInstanceLimitPrice": {
  "deprecated": false,
  "documentation": "<p>Describes the limit price of a Reserved Instance offering.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Amount": {
      "deprecated": false,
      "documentation": "<p>Used for Reserved Instance Marketplace offerings. Specifies the limit price on the total order (instanceCount * price).</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "amount",
      "payload": false,
      "queryName": null,
      "shape": "Double",
      "streaming": false,
      "xmlNamespace": null
    },
    "CurrencyCode": {
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "CurrencyCode": {
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "CurrencyCode": {
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
}
"deprecated" : false,
"documentation" : "The currency in which the <code>limitPrice</code> amount is specified. At this time, the only supported currency is <code>USD</code>.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlnsNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstanceReservationValue" : {
"deprecated" : false,
"documentation" : "The total value of the Convertible Reserved Instance.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservationValue" : {
"deprecated" : false,
"documentation" : "The total value of the Convertible Reserved Instance that you are exchanging.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservationValue",
"payload" : false,
"queryName" : null,
"shape" : "ReservationValue",
"streaming" : false,
"xmlnsNamespace" : null
}}},
"ReservedInstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Convertible Reserved Instance that you are exchanging.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstanceReservationValueSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "ReservedInstanceReservationValue",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"ReservedInstanceState": {
"deprecated": false,
"documentation": null,
"enum": ["payment-pending", "active", "payment-failed", "retired" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
],
"ReservedInstances": {
"deprecated": false,
"documentation": "Describes a Reserved Instance.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ {
"AvailabilityZone": {
"deprecated": false,
"documentation": "The Availability Zone in which the Reserved Instance can be used.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",} } ]}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CurrencyCode" : {
"deprecated" : false,
"documentation" : "<p>The currency of the Reserved Instance. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "currencyCode",
"payload" : false,
"queryName" : null,
"shape" : "CurrencyCodeValues",
"streaming" : false,
"xmlNamespace" : null
},
"Duration" : {
"deprecated" : false,
"documentation" : "<p>The duration of the Reserved Instance, in seconds.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "duration",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"End" : {
"deprecated" : false,
"documentation" : "<p>The time when the Reserved Instance expires.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "end",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"FixedPrice" : {
"deprecated" : false,
"documentation": "<p>The purchase price of the Reserved Instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": ".fixedPrice",
"payload": false,
"queryName": null,
"shape": "Float",
"streaming": false,
"xmlNamespace": null
},
"InstanceCount": {
"deprecated": false,
"documentation": "<p>The number of reservations purchased.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceCount",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"InstanceTenancy": {
"deprecated": false,
"documentation": "<p>The tenancy of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceTenancy",
"payload": false,
"queryName": null,
"shape": "Tenancy",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type on which the Reserved Instance can be used.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"payload" : false,
"queryName" : null,
"shape" : "RecurringChargesList",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the Reserved Instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Scope" : {
"deprecated" : false,
"documentation" : "<p>The scope of the Reserved Instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "scope",
"payload" : false,
"queryName" : null,
"shape" : "scope",
"streaming" : false,
"xmlNamespace" : null
},
"Start" : {
"deprecated" : false,
"documentation" : "<p>The date and time the Reserved Instance started.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "start",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the Reserved Instance purchase.</p>",
"flattened" : false,
"idempotencyToken" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstanceState",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the resource.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"UsagePrice" : {
  "deprecated" : false,
  "documentation" : "<p>The usage price of the Reserved Instance, per hour.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "usagePrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "Float",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstancesConfiguration" : {
  "deprecated" : false,
"documentation": "<p>Describes the configuration settings for the modified Reserved Instances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,

"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>The Availability Zone for the modified Reserved Instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"InstanceCount": {
"deprecated": false,
"documentation": "<p>The number of modified Reserved Instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceCount",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},

"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type for the modified Reserved Instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
}
"Platform" : {
    "deprecated" : false,
    "documentation" : "The network platform of the modified Reserved Instances, which is either EC2-Classic or EC2-VPC.
    
    flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "platform",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}

"Scope" : {
    "deprecated" : false,
    "documentation" : "Whether the Reserved Instance is applied to instances in a region or instances in a specific Availability Zone.
    
    flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "scope",
    "payload" : false,
    "queryName" : null,
    "shape" : "scope",
    "streaming" : false,
    "xmlNamespace" : null
}

"ReservedInstancesConfigurationList" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
}
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesConfiguration",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : null,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesId" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;Describes the ID of a Reserved Instance.&lt;/p&gt;",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ReservedInstancesId" : {
"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the Reserved Instance.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstances",
"streaming" : false,
"xmlNamespace" : null
}
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesListing" : {
"deprecated" : false,
"documentation" : "Describes a Reserved Instance listing.

<p>Describes a Reserved Instance listing.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ClientToken" : {
"deprecated" : false,
"documentation" : "A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.

<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CreateDate" : {
"deprecated" : false,
"documentation" : "<p>The time the listing was created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "createDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceCounts" : {
"deprecated" : false,
"documentation" : "<p>The number of instances in this state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCounts",
"payload" : false,
"queryName" : null,
"shape" : "InstanceCountList",
"streaming" : false,
"xmlNamespace" : null
},
"PriceSchedules" : {
"deprecated" : false,
"documentation" : "<p>The price of the Reserved Instance listing.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "priceSchedules",
"payload" : false,
"queryName" : null,
"shape" : "PriceScheduleList",
"streaming" : false,
"xmlNamespace" : null
}
"ReservedInstancesId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"ReservedInstancesListingId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Reserved Instance listing.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "reservedInstancesListingId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Status" : {
  "deprecated" : false,
  "documentation" : "<p>The status of the Reserved Instance listing.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "ListingStatus",
  "streaming" : false,
  "xmlNamespace" : null
},
"StatusMessage" : {
  "deprecated" : false,
  "documentation" : "<p>The reason for the current status of the Reserved Instance listing. The response can be blank.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "statusMessage",
  "payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
],
"Tags": {
"deprecated": false,
"documentation": "<p>Any tags assigned to the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
],
"UpdateDate": {
"deprecated": false,
"documentation": "<p>The last modified timestamp of the listing.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "updateDate",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"ReservedInstancesListingList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservedInstancesListing",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesModification" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a Reserved Instance modification.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "documentation" : "<p>A unique, case-sensitive key supplied by the client to ensure that the request is idempotent. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>"
    }
  },
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "clientToken",
  "streaming" : false,
  "type" : "ReservedInstancesListing",
  "xmlNamespace" : null
}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
,"CreateDate" : {
"deprecated" : false,
"documentation" : "<p>The time when the modification request was created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "createDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
,"EffectiveDate" : {
"deprecated" : false,
"documentation" : "<p>The time for the modification to become effective.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "effectiveDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
,"ModificationResults" : {
"deprecated" : false,
"documentation" : "<p>Contains target configurations along with their corresponding new Reserved Instance IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "modificationResultSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedInstancesModificationResultList",
"streaming" : false,
"xmlNamespace" : null
},
,"ReservedInstancesIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of one or more Reserved Instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesSet",
"payload" : false,
"queryName" : null,
"shape" : "ReservedIntancesIds",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesModificationId" : {
"deprecated" : false,
"documentation" : "<p>A unique ID for the Reserved Instance modification.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesModificationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "<p>The status of the Reserved Instances modification request.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>The reason for the status.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UpdateDate" : {
  "deprecated" : false,
  "documentation" : "<p>The time when the modification request was last updated.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "updateDate",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstancesModificationIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "ReservedInstancesModificationId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "ReservedInstancesId" : {
    "deprecated" : false,
    "documentation" : "The ID for the Reserved Instances that were created as part of the modification request. This field is only available when the modification is fulfilled."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "reserved InstancesId",
    "payload" : false,
    "queryString" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlns" : null
  },
  "TargetConfiguration" : {
    "deprecated" : false,
    "documentation" : "The target Reserved Instances configurations supplied as part of the modification request."",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "targetConfiguration",
    "payload" : false,
    "queryString" : null,
    "shape" : "ReservedInstancesConfiguration",
    "streaming" : false,
    "xmlns" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ReservedInstancesModificationResultList" : {
  "deprecated" : false,
  "documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "ReservedInstancesModificationResult",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesOffering" : {
  "deprecated" : false,
  "documentation" : "Describes a Reserved Instance offering.<p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "The Availability Zone in which the Reserved Instance can be used.<p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "member": {
        "idempotencyToken": false,
        "locationName": "item",
        "payload": false,
        "queryName": null,
        "shape": "ReservedInstancesModificationResult",
        "streaming": false,
        "xmlNamespace": null
      }
    }
  }
}
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"CurrencyCode": {
"deprecated": false,
"documentation": "The currency of the Reserved Instance offering you are purchasing. It's specified using ISO 4217 standard currency codes. At this time, the only supported currency is <code>USD</code>.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "currencyCode",
"payload": false,
"queryName": null,
"shape": "CurrencyCodeValues",
"streaming": false,
"xmlNamespace": null
},
"Duration": {
"deprecated": false,
"documentation": "The duration of the Reserved Instance, in seconds."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "duration",
"payload": false,
"queryName": null,
"shape": "Long",
"streaming": false,
"xmlNamespace": null
},
"FixedPrice": {
"deprecated": false,
"documentation": "The purchase price of the Reserved Instance."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "fixedPrice",
"payload": false,
"queryName": null,
"shape": "Float",
"streaming": false,
"xmlNamespace": null
},
"InstanceTenancy": {
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"deprecated": false,
"documentation": "<p>The tenancy of the instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceTenancy",
"payload": false,
"queryName": null,
"shape": "Tenancy",
"streaming": false,
"xmlNamespace": null
},
"InstanceType": {
"deprecated": false,
"documentation": "<p>The instance type on which the Reserved Instance can be used.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "instanceType",
"payload": false,
"queryName": null,
"shape": "InstanceType",
"streaming": false,
"xmlNamespace": null
},
"Marketplace": {
"deprecated": false,
"documentation": "<p>Indicates whether the offering is available through the Reserved Instance Marketplace (resale) or AWS. If it's a Reserved Instance Marketplace offering, this is <code>true</code>. </p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "marketplace",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"OfferingClass": {
"deprecated": false,
"documentation": "<p>If <code>convertible</code> it can be exchanged for Reserved Instances of the same or higher monetary value, with different configurations. If <code>standard</code>, it is not possible to perform an exchange.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "offeringClass"
"payload" : false, 
"queryName" : null, 
"shape" : "OfferingClassType", 
"streaming" : false, 
"xmlNamespace" : null 
}, 
"OfferingType" : { 
"deprecated" : false,
"documentation" : "<p>The Reserved Instance offering type.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null, 
"locationName" : "offeringType", 
"payload" : false, 
"queryName" : null, 
"shape" : "OfferingTypeValues", 
"streaming" : false, 
"xmlNamespace" : null 
}, 
"PricingDetails" : { 
"deprecated" : false, 
"documentation" : "<p>The pricing details of the Reserved Instance offering.</p>",
"flattened" : false,
"idempotencyToken" : false, 
"location" : null, 
"locationName" : "pricingDetailsSet", 
"payload" : false, 
"queryName" : null, 
"shape" : "PricingDetailsList", 
"streaming" : false, 
"xmlNamespace" : null 
}, 
"ProductDescription" : { 
"deprecated" : false, 
"documentation" : "<p>The Reserved Instance product platform description.</p>",
"flattened" : false, 
"idempotencyToken" : false, 
"location" : null, 
"locationName" : "productDescription", 
"payload" : false, 
"queryName" : null, 
"shape" : "RIProductDescription", 
"streaming" : false, 
"xmlNamespace" : null 
}, 
"RecurringCharges" : { 
"deprecated" : false, 
"documentation" : "<p>The recurring charge tag assigned to the resource.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null, 
"locationName" : "recurringChargesSet", 
"payload" : false, 
"queryName" : null, 
"shape" : "RecurringChargesList", 
"streaming" : false, 
"xmlNamespace" : null 
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "recurringCharges",
"payload" : false,
"queryName" : null,
"shape" : "RecurringChargesList",
"streaming" : false,
"xmlNamespace" : null
},
"ReservedInstancesOfferingId" : {
"deprecated" : false,
"documentation" : "The ID of the Reserved Instance offering. This is the offering ID used in <a>GetReservedInstancesExchangeQuote</a> to confirm that an exchange can be made.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "reservedInstancesOfferingId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Scope" : {
"deprecated" : false,
"documentation" : "Whether the Reserved Instance is applied to instances in a region or an Availability Zone.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "scope",
"payload" : false,
"queryName" : null,
"shape" : "scope",
"streaming" : false,
"xmlNamespace" : null
},
"UsagePrice" : {
"deprecated" : false,
"documentation" : "The usage price of the Reserved Instance, per hour.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "usagePrice",
"payload" : false,
"queryName" : null,
"shape" : "Float"
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"ReservedInstancesOfferingIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ReservedInstancesOfferingList" : {
"deprecated" : false,
"members": {
  "Attribute": {
    "deprecated": false,
    "documentation": "<p>The attribute to reset (currently you can only reset the launch permission attribute).</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "ResetImageAttributeName",
    "streaming": false,
    "xmlNamespace": null
  },
  "ImageId": {
    "deprecated": false,
    "documentation": "<p>The ID of the AMI.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": null,
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "ImageId", "Attribute" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ResetInstanceAttributeRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for ResetInstanceAttribute.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
The attribute to reset.

You can only reset the following attributes: kernel | ramdisk | sourceDestCheck. To change an instance attribute, use ModifyInstanceAttribute.

The ID of the instance.

Contains the parameters for ResetNetworkInterfaceAttribute.
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "NetworkInterfaceId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the network interface.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "networkInterfaceId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "SourceDestCheck" : {
    "deprecated" : false,
    "documentation" : "The source/destination checking attribute. Resets the value to <code>true</code>.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "sourceDestCheck",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "NetworkInterfaceId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ResetSnapshotAttributeRequest" : {
  "deprecated" : false,
  "documentation" : "Contains the parameters for ResetSnapshotAttribute."},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.

The ID of the snapshot.

The ID of the snapshot.

The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.

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The ID of the snapshot.

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The ID of the snapshot.

The ID of the snapshot.

The ID of the snapshot.

The ID of the snapshot.

The ID of the snapshot.
"wrapper": false
},
"ResponseHostIdList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "members": [
    { }]
},
"ResponseHostIdSet": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"RestoreAddressToClassicRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RestoreAddressToClassic.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "PublicIp" : {
      "deprecated" : false,
      "documentation" : "The Elastic IP address.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "publicIp",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : [ "PublicIp" ],
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"RestoreAddressToClassicResult" : {
  "deprecated" : false,
  "documentation" : "Contains the output of RestoreAddressToClassic.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
"key": null,
"max": 0,
"member": null,
"members": {
"PublicIp": {
"deprecated": false,
"documentation": "<p>The Elastic IP address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "publicIp",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The move status for the IP address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "Status",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RevokeSecurityGroupEgressRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for RevokeSecurityGroupEgress.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "CidrIp" : {
    "deprecated" : false,
    "documentation" : "<p>The CIDR IP address range. We recommend that you specify the CIDR range in a set of IP permissions instead.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "cidrIp",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "FromPort" : {
    "deprecated" : false,
    "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "fromPort",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "GroupId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the security group.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "groupId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "IpPermissions" : {
    "deprecated" : false,
    "documentation" : "A set of IP permissions. You can't specify a destination security group and a CIDR IP
address range.

- **IpPermissionList**
  - flattened: false,
  - idempotencyToken: false,
  - location: null,
  - locationName: "ipPermissions",
  - payload: false,
  - queryName: null,
  - shape: "IpPermissionList",
  - streaming: false,
  - xmlNamespace: null

- **IpProtocol**
  - flattened: false,
  - idempotencyToken: false,
  - location: null,
  - locationName: "ipProtocol",
  - payload: false,
  - queryName: null,
  - shape: "String",
  - streaming: false,
  - xmlNamespace: null

- **SourceSecurityGroupName**
  - flattened: false,
  - idempotencyToken: false,
  - location: null,
  - locationName: "sourceSecurityGroupName",
  - payload: false,
  - queryName: null,
  - shape: "String",
  - streaming: false,
  - xmlNamespace: null

- **SourceSecurityGroupOwnerId**
  - flattened: false,
  - idempotencyToken: false,
  - location: null,
  - locationName: "sourceSecurityGroupOwnerId",
  - payload: false,
  - queryName: null,
  - shape: "String",
  - streaming: false,
  - xmlNamespace: null

The IP protocol name or number. We recommend that you specify the protocol in a set of IP permissions instead.

The name of a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.

The AWS account number for a destination security group. To revoke outbound access to a destination security group, we recommend that you use a set of IP permissions instead.
"ToPort" : {
  "deprecated" : false,
  "documentation" : "<p>The end of port range for the TCP and UDP protocols, or an ICMP type number. We recommend that you specify the port range in a set of IP permissions instead.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "toPort",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false}
},
"RevokeSecurityGroupIngressRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RevokeSecurityGroupIngress.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "CidrIp" : {
      "deprecated" : false,
      "documentation" : "<p>The CIDR IP address range. You can't specify this parameter when specifying a source security group.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"FromPort" : {
  "deprecated" : false,
  "documentation" : "<p>The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use &lt;code&gt;-1&lt;/code&gt; to specify all ICMP types.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"GroupId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the security group. Required for a security group in a nondefault VPC.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"GroupName" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;[EC2-Classic, default VPC] The name of the security group.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"IpPermissions" : {
  "depr
"deprecated" : false,
"documentation" : "<p>A set of IP permissions. You can't specify a source security group and a CIDR IP address range.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "IpPermissionList",
"streaming" : false,
"xmlnsNamespace" : null
},
"IpProtocol" : {
"deprecated" : false,
"documentation" : "<p>The IP protocol name (<code>tcp</code>, <code>udp</code>, <code>icmp</code>) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)) to specify all.&lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"SourceSecurityGroupName" : {
"deprecated" : false,
"documentation" : "[EC2-Classic, default VPC] The name of the source security group. You can't specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"SourceSecurityGroupOwnerId" : {
"deprecated" : false,
"documentation" : "[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can't specify this parameter in combination with the following parameters: the

CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ToPort": {
  "deprecated": false,
  "documentation": "The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use \<code>-1</code> to specify all ICMP codes for the ICMP type.\</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"Route": {
  "deprecated": false,
  "documentation": "Describes a route in a route table.\</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
"DestinationCidrBlock" : {  
"deprecated" : false,  
"documentation" : "<p>The IPv4 CIDR block used for the destination match.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "destinationCidrBlock",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
},  
"DestinationIpv6CidrBlock" : {  
"deprecated" : false,  
"documentation" : "<p>The IPv6 CIDR block used for the destination match.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "destinationIpv6CidrBlock",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
},  
"DestinationPrefixListId" : {  
"deprecated" : false,  
"documentation" : "<p>The prefix of the AWS service.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "destinationPrefixListId",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
},  
"EgressOnlyInternetGatewayId" : {  
"deprecated" : false,  
"documentation" : "<p>The ID of the egress-only Internet gateway.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "egressOnlyInternetGatewayId",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
}
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GatewayId" : {
  "deprecated" : false,
  "documentation" : "The ID of a gateway attached to your VPC.\n  \"<p>\"",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "gatewayId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "The ID of a NAT instance in your VPC.\n  \"<p>\"",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceOwnerId" : {
  "deprecated" : false,
  "documentation" : "The AWS account ID of the owner of the instance.\n  \"<p>\"",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceOwnerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"NatGatewayId" : {
  "deprecated" : false,
  "documentation" : "The ID of a NAT gateway.\n  \"<p>\"",
  "flattened" : false,
  "idempotencyToken" : false,
"location": null,
"locationName": "natGatewayId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
"deprecated": false,
"documentation": "<p>The ID of the network interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Origin": {
"deprecated": false,
"documentation": "<p>Describes how the route was created.</p> <ul> <li><code>CreateRouteTable</code> - The route was automatically created when the route table was created.</li> <li><code>CreateRoute</code> - The route was manually added to the route table.</li> <li><code>EnableVgwRoutePropagation</code> - The route was propagated by route propagation.</li> </ul>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "origin",
"payload": false,
"queryName": null,
"shape": "RouteOrigin",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"documentation": "<p>The state of the route. The <code>blackhole</code> state indicates that the route's target isn't available (for example, the specified gateway isn't attached to the VPC, or the specified NAT instance has been terminated).</p> ",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape" : "RouteState",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
"deprecated" : false,
"documentation" : "The ID of the VPC peering connection.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RouteList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Route",
"streaming" : false,
"xmlNamespace" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
],
"RouteOrigin" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "CreateRouteTable", "CreateRoute", "EnableVgwRoutePropagation" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"RouteState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "active", "blackhole" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
}

"RouteTable": {
"deprecated": false,
"documentation": "<p>Describes a route table.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Associations": {
"deprecated": false,
"documentation": "<p>The associations between the route table and one or more subnets.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "associationSet",
"payload": false,
"queryName": null,
"shape": "RouteTableAssociationList",
"streaming": false,
"xmlns": null
}

"PropagatingVgwSet": {
"deprecated": false,
"documentation": "<p>Any virtual private gateway (VGW) propagating routes.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "propagatingVgwSet",
"payload": false,
"queryName": null,
"shape": "PropagatingVgwList",
"streaming": false,
"xmlns": null
}

"RouteTableId": {
"deprecated": false,
"documentation": "<p>The ID of the route table.</p>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Routes" : {
  "deprecated" : false,
  "documentation" : "<p>The routes in the route table.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "routeSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "RouteList",
  "streaming" : false,
  "xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "<p>Any tags assigned to the route table.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"RouteTableAssociation": {
  "deprecated": false,
  "documentation": "Describes an association between a route table and a subnet.\n  "\n  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
      "Main": {
        "deprecated": false,
        "documentation": "Indicates whether this is the main route table.\n        "\n        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "main",
        "payload": false,
        "queryName": null,
        "shape": "Boolean",
        "streaming": false,
        "xmlNamespace": null
      },
      "RouteTableAssociationId": {
        "deprecated": false,
        "documentation": "The ID of the association between a route table and a subnet.\n        "\n        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "routeTableAssociationId",
        "payload": false,
        "queryName": null,
        "shape": "String",
        "streaming": false,
        "xmlNamespace": null
      }
  }
}
"RouteTableId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the route table.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "routeTableId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"SubnetId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the subnet. A subnet ID is not returned for an implicit association.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "subnetId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RouteTableAssociationList" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : {
        "deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "RouteTableAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RouteTableList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "RouteTable",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"RuleAction" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "allow", "deny" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : 
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"RunInstancesMonitoringEnabled" : {
"deprecated" : false,
"documentation" : "<p>Describes the monitoring of an instance.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : 
",
"Enabled" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether detailed monitoring is enabled. Otherwise, basic monitoring is enabled.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "enabled",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Enabled" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for RunInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AdditionalInfo" : {
"deprecated" : false,
"documentation" : "<p>Reserved.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "additionalInfo",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"BlockDeviceMappings" : {
"deprecated" : false,
"documentation" : "<p>The block device mapping.</p> <important> <p>Supplying both a snapshot ID and an encryption value as arguments for block-device mapping results in an error. This is because only blank volumes can be encrypted on start, and these are not created from a snapshot. If a snapshot is the basis for the volume, it contains data by definition and its encryption status cannot be changed using this action.</p> </important>",
"flattened" : false,
"idempotencyToken" : false,
"location": null,
"locationName": "BlockDeviceMapping",
"payload": false,
"queryName": null,
"shape": "BlockDeviceMappingRequestList",
"streaming": false,
"xmlNamespace": null
],
"ClientToken": {
"deprecated": false,
"documentation": "<p>Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p> Constraints: Maximum 64 ASCII characters</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "clientToken",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
],
"DisableApiTermination": {
"deprecated": false,
"documentation": "If you set this parameter to <code>true</code>, you can't terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute to <code>false</code> after launch, use <a href="/ ModifyInstanceAttribute/</a>. Alternatively, if you set <code>InstanceInitiatedShutdownBehavior</code> to <code>terminate</code>, you can terminate the instance by running the shutdown command from the instance. <p>Default: <code>false</code></p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "disableApiTermination",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
],
"EbsOptimized": {
"deprecated": false,
"documentation": "<p>Indicates whether the instance is optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> Default: <code>false</code> 
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ebsOptimized",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"IamInstanceProfile": {
  "deprecated": false,
  "documentation": "<p>The IAM instance profile.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "iamInstanceProfile",
  "payload": false,
  "queryName": null,
  "shape": "IamInstanceProfileSpecification",
  "streaming": false,
  "xmlNamespace": null
},
"ImageId": {
  "deprecated": false,
  "documentation": "<p>The ID of the AMI, which you can get by calling <a>DescribeImages</a>.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"InstanceInitiatedShutdownBehavior": {
  "deprecated": false,
  "documentation": "<p>Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).</p> <p>Default: <code>stop</code></p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "instanceInitiatedShutdownBehavior",
  "payload": false,
  "queryName": null,
  "shape": "ShutdownBehavior",
  "streaming": false,
  "xmlNamespace": null
"InstanceType" : {
  "deprecated" : false,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceType",
  "streaming" : false,
  "xmlNamespace" : null
},
"Ipv6AddressCount" : {
  "deprecated" : false,
  "documentation" : "A number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you've specified a minimum number of instances to launch.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"Ipv6Addresses" : {
  "deprecated" : false,
  "documentation" : "Specify one or more IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you've specified a minimum number of instances to launch.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "Ipv6Address",
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceIpv6AddressList",
  "streaming" : false,
  "xmlNamespace" : null
},
"Id tags" : {
  "deprecated" : false,
  "documentation" : "Specify a key-value pair combination for each tag. You can specify a maximum of 50 tags and tag keys with a maximum length of 255 characters.航测标签有效值长度不能超过255字符."
},
"LaunchPermission" : {
  "deprecated" : false,
  "documentation" : "Specify whether the user can launch instances. The default is `true`."
},
"Name" : {
  "deprecated" : false,
  "documentation" : "Specify the name of the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-identifiers.html">Instance Identifiers</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
},
"NetworkInterfaces" : {
  "deprecated" : false,
  "documentation" : "Specify the network interfaces to assign to the instance. Each network interface must have a unique primary network interface ID. You cannot specify this option and the option to assign an IPv6 address to a network interface in the same request. You can specify this option if you've specified a minimum number of instances to launch.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "NetworkInterfaceList",
  "streaming" : false,
  "xmlNamespace" : null
},
"ParentId" : {
  "deprecated" : false,
  "documentation" : "Specify the ID of the instance to launch in the same request as the current request. You can specify the same ID only if you've specified a minimum number of instances to launch.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "InstanceId",
  "streaming" : false,
  "xmlNamespace" : null
},
"Placement" : {
  "deprecated" : false,
  "documentation" : "Specify the availability zone and the placement strategy to use when launching instances. Available values include: `capacity-optimized`, `consistent-availability`, and `dual-az`."
},
"ProtectionState" : {
  "deprecated" : false,
  "documentation" : "Specify whether the instance is protected. The default is `true`."
},
"ReleaseAddressOnTermination" : {
  "deprecated" : false,
  "documentation" : "Specify whether to return the primary IP address of the secondary network interface when the instance is terminated. The default is `false`."
},
"RootDeviceName" : {
  "deprecated" : false,
  "documentation" : "Specify the name of the root device. You cannot specify this option when creating a boot volume."
},
"RootDeviceType" : {
  "deprecated" : false,
  "documentation" : "Specify the device type of the root device. You cannot specify this option when creating a boot volume."
},
"SecurityGroups" : {
  "deprecated" : false,
  "documentation" : "Specify one or more security groups to associate with the instance. If you don't specify security groups, the default VPC security group is associated with the instance. To associate more than one security group, repeat this parameter.
  
  You cannot specify this option and the option to assign an IPv6 address to a network interface in the same request. You can specify this option if you've specified a minimum number of instances to launch.
  
  You can specify a maximum of 10 groups per request."
},
"SpotPriceSpecification" : {
  "deprecated" : false,
  "documentation" : "Specify the price that the EC2 spot instance request is subject to. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/spot-pricing.html">Amazon EC2 Spot Instance Pricing</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
},
"SubnetIds" : {
  "deprecated" : false,
  "documentation" : "Specify one or more Subnet IDs to launch instances in. You can specify a maximum of 10 subnets per request."
},
"TagSpecifications" : {
  "deprecated" : false,
  "documentation" : "Specify a key-value pair combination for each tag. You can specify a maximum of 50 tags and tag keys with a maximum length of 255 characters.航测标签有效值长度不能超过255字符."
},
"Tenancy" : {
  "deprecated" : false,
  "documentation" : "Specify the tenancy of the instance. The default is `default`. The `default` value specifies that the instance runs in a shared core. The `guest` value specifies that the instance runs in a guest core."
},
"UserData" : {
  "deprecated" : false,
  "documentation" : "Specify a string of up to 4,096 characters that is injected into the instance when the instance is launched. The string is made up of raw bytes. The content can include scripts and commands."
},
"V ENAProfileId" : {
  "deprecated" : false,
  "documentation" : "Specify a virtualization environment (V/EN) profile to use when launching instances. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
},
"VolumeIds" : {
  "deprecated" : false,
  "documentation" : "Specify one or more Volume IDs to attach to the instance. The volumes must be in the same Availability Zone as the instance or the instance can't access the volumes. You can specify a maximum of 50 volumes per request."
},
"VolumeTypes" : {
  "deprecated" : false,
  "documentation" : "Specify the type of storage you want for the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
},
"VolumeType" : {
  "deprecated" : false,
  "documentation" : "Specify the type of storage you want for the instance. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-types.html">Instance Types</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>."
}
"KeyId" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair. You can create a key pair using <a>CreateKeyPair</a> or <a>ImportKeyPair</a>.<p> If you do not specify a key pair, you can't connect to the instance unless you choose an AMI that is configured to allow users another way to log in.<p> Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a>How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.<p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"MaxCount" : {
    "deprecated" : false,
    "documentation" : "The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above <code>MinCount</code>. Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see <a>How many instances can I run in Amazon EC2</a> in the Amazon EC2 FAQ.<p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
"xmlNamespace" : null
},
"MinCount" : {
"deprecated" : false,
"documentation" : "<p>The minimum number of instances to launch. If you specify a minimum that is more
instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.</p>
<p>Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more
information about the default limits, and how to request an increase, see <a href="http://aws.amazon.com/ec2/faqs/#How_many_instances_can_I_run_in_Amazon_EC2">How many
instances can I run in Amazon EC2</a> in the Amazon EC2 General FAQ.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Monitoring" : {
"deprecated" : false,
"documentation" : "<p>The monitoring for the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkInterfaces" : {
"deprecated" : false,
"documentation" : "<p>One or more network interfaces.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterface",
"payload" : false,
"queryName" : null,
"shape" : "InstanceNetworkInterfaceSpecificationList",
"streaming" : false,
"xmlNamespace" : null
}
,"Placement" : {
"deprecated" : false,
"documentation" : "<p>The placement for the instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Placement",
"streaming" : false,
"xmlNamespace" : null
},
"PrivateIpAddress" : {
"deprecated" : false,
"documentation" : "<p>[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4
default: Amazon EC2 uses the default security group.</p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "privateIpAddress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>
<important><p>We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/UserProvidedkernels.html">PV-GRUB</a> in the Amazon Elastic Compute Cloud User Guide</important></p>
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroupIds" : {
"deprecated" : false,
"documentation" : "One or more security group IDs. You can create a security group using
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroupIds" : {
"deprecated" : false,
"documentation" : "One or more security group IDs. You can create a security group using
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroupIds" : {
"deprecated" : false,
"documentation" : "One or more security group IDs. You can create a security group using
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroupIds" : {
"deprecated" : false,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "SecurityGroupIdStringList",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroups" : {
"deprecated" : false,
"documentation" : "[EC2-Classic, default VPC] One or more security group names. For a nondefault VPC, you must use security group IDs instead.\n\nDefault: Amazon EC2 uses the default security group.\n"",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroup",
"payload" : false,
"queryName" : null,
"shape" : "SecurityGroupStringList",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "[EC2-VPC] The ID of the subnet to launch the instance into."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserData" : {
"deprecated" : false,
"documentation" : "The user data to make available to the instance. For more information, see "Running Commands on Your Linux Instance at Launch" (Linux) and "Adding User Data" (Windows). If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "ImageId", "MinCount", "MaxCount" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunInstancesResult" : {
  "deprecated" : false,
  "documentation" : "A simple result wrapper around the Reservation object that was sent over the wire.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Reservation" : {
      "deprecated" : false,
      "documentation" : "Describes a reservation.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "Reservation",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"RunScheduledInstancesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for RunScheduledInstances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ClientToken" : {
      "deprecated" : false,
      "documentation" : "<p>Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
      "flattened" : false,
      "idempotencyToken" : true,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "InstanceCount" : {
      "deprecated" : false,
      "documentation" : "<p>The number of instances.</p> Default: 1</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "Integer",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "LaunchSpecification" : {
      "deprecated" : false,
"documentation": "The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.\"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "ScheduledInstancesLaunchSpecification",
"streaming": false,
"xmlNamespace": null
},
"ScheduledInstanceId": {
"deprecated": false,
"documentation": "The Scheduled Instance ID.\"",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "ScheduledInstanceId", "LaunchSpecification" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"RunScheduledInstancesResult": {
"deprecated": false,
"documentation": "Contains the output of RunScheduledInstances.\"",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"InstanceIdSet": {
}
"deprecated" : false,
"documentation" : "The IDs of the newly launched instances."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceIdSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceIdSet",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
,"S3Storage" : {
"deprecated" : false,
"documentation" : "Describes the storage parameters for S3 and S3 buckets for an instance store-backed
AMI."",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AWSAccessKeyId" : {
"deprecated" : false,
"documentation" : "The access key ID of the owner of the bucket. Before you specify a value for your
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace": null,
},
"Bucket": {
  "deprecated": false,
  "documentation": "<p>The bucket in which to store the AMI. You can specify a bucket that you already own
or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else,
Amazon EC2 returns an error.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "bucket",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Prefix": {
  "deprecated": false,
  "documentation": "<p>The beginning of the file name of the AMI.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "prefix",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"UploadPolicy": {
  "deprecated": false,
  "documentation": "<p>An Amazon S3 upload policy that gives Amazon EC2 permission to upload items into
Amazon S3 on your behalf.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "uploadPolicy",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"UploadPolicySignature": {
  "deprecated": false,
  "documentation": "<p>The signature of the JSON document.</p>",
  "flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "uploadPolicySignature",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
]
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
],
"ScheduledInstance": {
"deprecated": false,
"documentation": "<p>Describes a Scheduled Instance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AvailabilityZone": {
"deprecated": false,
"documentation": "<p>The Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"CreateDate": {
"deprecated": false,
"documentation": "<p>The date when the Scheduled Instance was purchased.</p>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "createDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},

"HourlyPrice" : {
"deprecated" : false,
"documentation" : "<p>The hourly price for a single instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "hourlyPrice",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},

"InstanceCount" : {
"deprecated" : false,
"documentation" : "<p>The number of instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceCount",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},

"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>The instance type.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"NetworkPlatform" : {  
  "deprecated" : false,  
  "documentation" : "<p>The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).</p>" ,  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "networkPlatform",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "String",  
  "streaming" : false,  
  "xmlNamespace" : null  
},  
"NextSlotStartTime" : {  
  "deprecated" : false,  
  "documentation" : "<p>The time for the next schedule to start.</p>" ,  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "nextSlotStartTime",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "DateTime",  
  "streaming" : false,  
  "xmlNamespace" : null  
},  
"Platform" : {  
  "deprecated" : false,  
  "documentation" : "<p>The platform (<code>Linux/UNIX</code> or <code>Windows</code>).</p>" ,  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "platform",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "String",  
  "streaming" : false,  
  "xmlNamespace" : null  
},  
"PreviousSlotEndTime" : {  
  "deprecated" : false,  
  "documentation" : "<p>The time that the previous schedule ended or will end.</p>" ,  
  "flattened" : false,  
  "idempotencyToken" : false,  
  "location" : null,  
  "locationName" : "previousSlotEndTime",  
  "payload" : false,  
  "queryName" : null,  
  "shape" : "String",  
  "streaming" : false,  
  "xmlNamespace" : null  
}
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"Recurrence" : {
  "deprecated" : false,
  "documentation" : "<p>The schedule recurrence.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "recurrence",
  "payload" : false,
  "queryName" : null,
  "shape" : "ScheduledInstanceRecurrence",
  "streaming" : false,
  "xmlNamespace" : null
},
"ScheduledInstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The Scheduled Instance ID.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "scheduledInstanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"SlotDurationInHours" : {
  "deprecated" : false,
  "documentation" : "<p>The number of hours in the schedule.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "slotDurationInHours",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"TermEndDate" : {
  "deprecated" : false,
  "documentation" : "<p>The end date for the Scheduled Instance.</p>",
  "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "termEndDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"TermStartDate" : {
"deprecated" : false,
"documentation" : "<p>The start date for the Scheduled Instance.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "termStartDate",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"TotalScheduledInstanceHours" : {
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalScheduledInstanceHours",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceAvailability" : {
"deprecated" : false,
"documentation" : "<p>Describes a schedule that is available for your Scheduled Instances.</p>"}
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AvailabilityZone": {
    "deprecated": false,
    "documentation": "<p>The Availability Zone.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "availabilityZone",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlnsNamespace": null
  },
  "AvailableInstanceCount": {
    "deprecated": false,
    "documentation": "<p>The number of available instances.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "availableInstanceCount",
    "payload": false,
    "queryName": null,
    "shape": "Integer",
    "streaming": false,
    "xmlnsNamespace": null
  },
  "FirstSlotStartTime": {
    "deprecated": false,
    "documentation": "<p>The time period for the first schedule to start.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "firstSlotStartTime",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlnsNamespace": null
  }
},
"HourlyPrice" : {
  "deprecated" : false,
  "documentation" : "<p>The hourly price for a single instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "hourlyPrice",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "<p>The instance type. You can specify one of the C3, C4, M4, or R3 instance types.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"MaxTermDurationInDays" : {
  "deprecated" : false,
  "documentation" : "<p>The maximum term. The only possible value is 365 days.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "maxTermDurationInDays",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
},
"MinTermDurationInDays" : {
  "deprecated" : false,
  "documentation" : "<p>The minimum term. The only possible value is 365 days.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "minTermDurationInDays",
  "payload" : false,
  "queryName" : null,
"NetworkPlatform": {
  "deprecated": false,
  "documentation": "The network platform (<code>EC2-Classic</code> or <code>EC2-VPC</code>).",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "networkPlatform",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Platform": {
  "deprecated": false,
  "documentation": "The platform (<code>Linux/UNIX</code> or <code>Windows</code>).",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "platform",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"PurchaseToken": {
  "deprecated": false,
  "documentation": "The purchase token. This token expires in two hours."
},
"Recurrence": {
  "deprecated": false,
  "documentation": "The schedule recurrence."
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "recurrence",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstanceRecurrence",
"streaming" : false,
"xmlNamespace" : null
},
"SlotDurationInHours" : {
"deprecated" : false,
"documentation" : "<p>The number of hours in the schedule.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "slotDurationInHours",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"TotalScheduledInstanceHours" : {
"deprecated" : false,
"documentation" : "<p>The total number of hours for a single instance for the entire term.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "totalScheduledInstanceHours",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
}

"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstanceAvailabilitySet" : {
"deprecated" : false,
"documentation" : null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": [
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstanceAvailability",
  "streaming": false,
  "xmlNamespace": null
],
"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"ScheduledInstanceIdRequestSet": [
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": [
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "ScheduledInstanceId",
    "payload": false,
    "queryName": null,
    "shape": "ScheduledInstanceAvailability",
    "streaming": false,
    "type": "list",
    "value": null,
    "wrapper": false
  ]
]
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"ScheduledInstanceRecurrence": {
"deprecated": false,
"documentation": "Describes the recurring schedule for a Scheduled Instance.",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Frequency": {
    "deprecated": false,
    "documentation": "The frequency (Daily, Weekly, or Monthly).
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "frequency",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Interval": {
    "deprecated": false,
    "documentation": "The interval quantity. The interval unit depends on the value of frequency. For example, every 2 weeks or every 2 months.

    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "interval",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
};
"locationName": "interval",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"OccurrenceDaySet": {
"deprecated": false,
"documentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "occurrenceDaySet",
"payload": false,
"queryName": null,
"shape": "OccurrenceDaySet",
"streaming": false,
"xmlNamespace": null
},
"OccurrenceRelativeToEnd": {
"deprecated": false,
"documentation": "Indicates whether the occurrence is relative to the end of the specified week or month."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "occurrenceRelativeToEnd",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"OccurrenceUnit": {
"deprecated": false,
"documentation": "The unit for occurrenceDaySet (OccurrenceDaySet or OccurrenceDaySet) (DayOfWeek or DayOfMonth).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "occurrenceUnit",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"ScheduledInstanceRecurrenceRequest" : {
    "deprecated" : false,
    "documentation" : "<p>Describes the recurring schedule for a Scheduled Instance.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "Frequency" : {
            "deprecated" : false,
            "documentation" : "<p>The frequency (<code>Daily</code>, <code>Weekly</code>, or <code>Monthly</code>). For example, every 2 weeks or every 2 months.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlns" : null
        },
        "Interval" : {
            "deprecated" : false,
            "documentation" : "<p>The interval quantity. The interval unit depends on the value of <code>Frequency</code>. For example, every 2 weeks or every 2 months.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "Integer",
            "streaming" : false,
            "xmlns" : null
        }
    }
}
"streaming": false,
"xmlNamespace": null
},
"OccurrenceDays": {
"deprecated": false,
"documentation": "The days. For a monthly schedule, this is one or more days of the month (1-31). For a weekly schedule, this is one or more days of the week (1-7, where 1 is Sunday). You can't specify this value with a daily schedule. If the occurrence is relative to the end of the month, you can specify only a single day."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "OccurrenceDay",
"payload": false,
"queryName": null,
"shape": "OccurrenceDayRequestSet",
"streaming": false,
"xmlNamespace": null
},
"OccurrenceRelativeToEnd": {
"deprecated": false,
"documentation": "Indicates whether the occurrence is relative to the end of the specified week or month. You can't specify this value with a daily schedule."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"OccurrenceUnit": {
"deprecated": false,
"documentation": "The unit for <code>OccurrenceDays</code> (<code>DayOfWeek</code> or <code>DayOfMonth</code>). This value is required for a monthly schedule. You can't specify <code>DayOfWeek</code> with a weekly schedule. You can't specify this value with a daily schedule."",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
"ScheduledInstanceSet" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : {
        "deprecated" : false,
        "documentation" : null,
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "item",
        "payload" : false,
        "queryName" : null,
        "shape" : "ScheduledInstance",
        "streaming" : false,
        "xmlnsNamespace" : null
    },
    "members" : { },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "list",
    "value" : null,
    "wrapper" : false
},

"ScheduledInstancesBlockDeviceMapping" : {
    "deprecated" : false,
    "documentation" : "Describes a block device mapping for a Scheduled Instance.",
    "enum" : null,
    "error" : null,
    "exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "DeviceName" : {
        "deprecated" : false,
        "documentation" : "The device name exposed to the instance (for example, <code>/dev/sdh</code> or <code>xvdh</code>).",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "String",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "Ebs" : {
        "deprecated" : false,
        "documentation" : "Parameters used to set up EBS volumes automatically when the instance is launched.",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : null,
        "payload" : false,
        "queryName" : null,
        "shape" : "ScheduledInstancesEbs",
        "streaming" : false,
        "xmlNamespace" : null
    },
    "NoDevice" : {
        "deprecated" : false,
        "documentation" : "Suppresses the specified device included in the block device mapping of the AMI."
    }
}}
The virtual device name (<code>ephemeral</code>N). Instance store volumes are numbered starting from 0. An instance type with two available instance store volumes can specify mappings for <code>ephemeral0</code> and <code>ephemeral1</code>. The number of available instance store volumes depends on the instance type. After you connect to the instance, you must mount the volume.

Constraints:
For M3 instances, you must specify instance store volumes in the block device mapping for the instance. When you launch an M3 instance, we ignore any instance store volumes specified in the block device mapping for the AMI.
"shape" : "ScheduledInstancesBlockDeviceMapping",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesEbs" : {
"deprecated" : false,
"documentation" : "Describes an EBS volume for a Scheduled Instance.\n\n<p>\n\n\n"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "Indicates whether the volume is deleted on instance termination.\n\n<p>\n\n\n"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Encrypted" : {
"deprecated" : false,
"documentation" : "Indicates whether the volume is encrypted. You can attached encrypted volumes only to instances that support them.\n\n<p>\n\n\n"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Iops" : {
"deprecated" : false,
"documentation" : "The number of I/O operations per second (IOPS) that the volume supports. For io1 volumes, this represents the number of IOPS that are provisioned for the volume. For gp2 volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information about baseline performance, I/O credits, and bursting, see Amazon Elastic Compute Cloud User Guide. Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes. Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2, st1, sc1, or standard volumes.
",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "The ID of the snapshot.
",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeSize" : {
"deprecated" : false,
"documentation" : "The size of the volume, in GiB. Default: If you're creating the volume from a snapshot and don't specify a volume size, the default is the snapshot size.
",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"streaming" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeType" : {
"deprecated" : false,
"documentation" : "The volume type. <code>gp2</code> for General Purpose SSD, <code>io1</code> for Provisioned IOPS SSD, Throughput Optimized HDD for <code>st1</code>, Cold HDD for <code>sc1</code>, or <code>standard</code> for Magnetic.</p> <p>Default: <code>standard</code> \</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesIamInstanceProfile" : {
"deprecated" : false,
"documentation" : "Describes an IAM instance profile for a Scheduled Instance."",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Arn" : {
"deprecated" : false,
"documentation" : "The Amazon Resource Name (ARN)."",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"wrapper": false,
"ScheduledInstancesLaunchSpecification": {
  "deprecated": false,
  "documentation": "<p>Describes the launch specification for a Scheduled Instance.</p> <p>If you are launching the Scheduled Instance in EC2-VPC, you must specify the ID of the subnet. You can specify the subnet using either <code>SubnetId</code> or <code>NetworkInterface</code>.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "BlockDeviceMappings": {
      "deprecated": false,
      "documentation": "<p>One or more block device mapping entries.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "BlockDeviceMapping",
      "payload": false,
      "queryName": null,
      "shape": "ScheduledInstancesBlockDeviceMappingSet",
      "streaming": false,
      "xmlns": null
    },
    "EbsOptimized": {
      "deprecated": false,
      "documentation": "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn't available with all instance types. Additional usage charges apply when using an EBS-optimized instance.</p> <p>Default: <code>false</code></p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlns": null
    },
    "IamInstanceProfile": {
      "deprecated": false,
      "documentation": "<p>The IAM instance profile.</p>",
    }
  }
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesIamInstanceProfile",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
  "deprecated" : false,
  "documentation" : "The ID of the Amazon Machine Image (AMI).",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceType" : {
  "deprecated" : false,
  "documentation" : "The instance type.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"KernelId" : {
  "deprecated" : false,
  "documentation" : "The ID of the kernel.",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
"KeyName": {
  "deprecated": false,
  "documentation": "<p>The name of the key pair.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"Monitoring": {
  "deprecated": false,
  "documentation": "<p>Enable or disable monitoring for the instances.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstancesMonitoring",
  "streaming": false,
  "xmlNamespace": null
},
"NetworkInterfaces": {
  "deprecated": false,
  "documentation": "<p>One or more network interfaces.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "NetworkInterface",
  "payload": false,
  "queryName": null,
  "shape": "ScheduledInstancesNetworkInterfaceSet",
  "streaming": false,
  "xmlNamespace": null
},
"Placement": {
  "deprecated": false,
  "documentation": "<p>The placement information.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": null,
  "payload": false,
"queryName" : null,
"shape" : "ScheduledInstancesPlacement",
"streaming" : false,
"xmlNamespace" : null
},
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SecurityGroupIds" : {
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "SecurityGroupId",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesSecurityGroupIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet in which to launch the instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserData" : {
"deprecated" : false,
"documentation" : "<p>The base64-encoded MIME user data.</p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": [ "ImageId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ScheduledInstancesMonitoring": {
  "deprecated": false,
  "documentation": "<p>Describes whether monitoring is enabled for a Scheduled Instance.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Enabled": {
      "deprecated": false,
      "documentation": "<p>Indicates whether monitoring is enabled.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "streaming": false,
  "xmlNamespace": null}
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"ScheduledInstancesNetworkInterface" : {
  "deprecated" : false,
  "documentation" : "<p>Describes a network interface for a Scheduled Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AssociatePublicIpAddress" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether to assign a public IPv4 address to instances launched in a VPC. The public IPv4 address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one. You cannot specify more than one network interface in the request. If launching into a default subnet, the default value is <code>true</code>.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "DeleteOnTermination" : {
      "deprecated" : false,
      "documentation" : "<p>Indicates whether to delete the interface when the instance is terminated.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "Boolean",
      "streaming" : false,
      "xmlNamespace" : null
    }
  }
}

"Description" : {
"deprecated" : false,
"documentation" : "<p>The description.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceIndex" : {
"deprecated" : false,
"documentation" : "<p>The index of the device for the network interface attachment.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"Groups" : {
"deprecated" : false,
"documentation" : "<p>The IDs of one or more security groups.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "Group",
"payload" : false,
"queryName" : null,
"shape" : "ScheduledInstancesSecurityGroupIdSet",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6AddressCount" : {
"deprecated" : false,
"documentation" : "<p>The number of IPv6 addresses to assign to the network interface. The IPv6 addresses are automatically selected from the subnet range.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "NetworkInterface",
  "payload" : false,
  "queryName" : null,
  "shape" : "ScheduledInstancesNetworkInterface",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : {  },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ScheduledInstancesPlacement" : {
  "deprecated" : false,
  "documentation" : "<p>Describes the placement for a Scheduled Instance.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "AvailabilityZone" : {
      "deprecated" : false,
      "documentation" : "<p>The Availability Zone.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      ...
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null}
},
"GroupName": {
"deprecated": false,
"documentation": "<p>The name of the placement group.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": null,
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"ScheduledInstancesPrivateIpAddressConfig": {
"deprecated": false,
"documentation": "<p>Describes a private IPv4 address for a Scheduled Instance.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Primary": {
"deprecated": false,
"documentation": "<p>Indicates whether this is a primary IPv4 address. Otherwise, this is a secondary IPv4 address.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"GroupName" : {
  "deprecated" : false,
  "documentation" : "The name of the security group.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "groupName",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"IpPermissions" : {
  "deprecated" : false,
  "documentation" : "One or more inbound rules associated with the security group.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipPermissions",
  "payload" : false,
  "queryName" : null,
  "shape" : "IpPermissionList",
  "streaming" : false,
  "xmlNamespace" : null
},

"IpPermissionsEgress" : {
  "deprecated" : false,
  "documentation" : "[EC2-VPC] One or more outbound rules associated with the security group.
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ipPermissionsEgress",
  "payload" : false,
  "queryName" : null,
  "shape" : "IpPermissionList",
  "streaming" : false,
  "xmlNamespace" : null
},

"OwnerId" : {
  "deprecated" : false,
  "documentation" : "The AWS account ID of the owner of the security group.
  "flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "ownerId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null}
},
"Tags": {
  "deprecated": false,
  "documentation": "<p>Any tags assigned to the security group.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "tagSet",
  "payload": false,
  "queryName": null,
  "shape": "TagList",
  "streaming": false,
  "xmlNamespace": null}
},
"VpcId": {
  "deprecated": false,
  "documentation": "<p>[EC2-VPC] The ID of the VPC for the security group.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "vpcId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
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"SecurityGroupIdStringList": {
  "deprecated": false,
  "documentation": false,
  "idempotencyToken": null,
  "location": null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : { 
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SecurityGroupId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SecurityGroupList" : { 
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : { 
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "wrapper" : false
  },
  "members" : { },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}
"queryName" : null,
"shape" : "SecurityGroup",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SecurityGroupReference" : {
"deprecated" : false,
"documentation" : "<p>Describes a VPC with a security group that references your security group.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GroupId" : {
"deprecated" : false,
"documentation" : "<p>The ID of your security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ReferencingVpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC with the referencing security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "referencingVpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
"deprecated" : false,
"documentation" : "The ID of the VPC peering connection.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "GroupId", "ReferencingVpcId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
},
"SecurityGroupReferences" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "SecurityGroupReference",}
"documentation": null,
"enum": [ "stop", "terminate" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"SlotDateTimeRangeRequest": {  
  "deprecated": false,
  "documentation": "Describes the time period for a Scheduled Instance to start its first schedule. The time period must span less than one day."  
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": { 
    "EarliestTime": {  
      "deprecated": false,
      "documentation": "The earliest date and time, in UTC, for the Scheduled Instance to start."  
      "streaming": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": null,
      "payload": false,
      "queryName": null,
      "shape": "DateTime",
      "streaming": false,
      "xmlNamespace": null
    },
    "LatestTime": {  
      "deprecated": false,
      "documentation": "The latest date and time, in UTC, for the Scheduled Instance to start. This value must
be later than or equal to the earliest date and at most three months in the future."},
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
}
}
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "EarliestTime", "LatestTime" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"SlotStartTimeRangeRequest" : {
"deprecated" : false,
"documentation" : "Describes the time period for a Scheduled Instance to start its first schedule.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"EarliestTime" : {
"deprecated" : false,
"documentation" : "The earliest date and time, in UTC, for the Scheduled Instance to start.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryString" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"LatestTime" : {
"deprecated" : false,
"documentation" : "The latest date and time, in UTC, for the Scheduled Instance to start.\</p>\”，
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlnsNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"Snapshot" : {
"deprecated" : false,
"documentation" : "Describes a snapshot.\</p>\",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"DataEncryptionKeyId" : {
"deprecated" : false,
"documentation" : "The data encryption key identifier for the snapshot. This value is a unique identifier that corresponds to the data encryption key that was used to encrypt the original volume or snapshot copy. Because data encryption keys are inherited by volumes created from snapshots, and vice versa, if snapshots share the same data encryption key identifier, then they belong to the same volume/snapshot lineage. This parameter is only returned by the \<a\>DescribeSnapshots</a> API operation.\</p>\",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "dataEncryptionKeyId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlns:namespace" : null
},
"Description" : {
  "deprecated" : false,
  "documentation" : "<p>The description for the snapshot.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "description",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlns:namespace" : null
},
"Encrypted" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the snapshot is encrypted.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "encrypted",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlns:namespace" : null
},
"KmsKeyId" : {
  "deprecated" : false,
  "documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the parent volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "arn:aws:kms:"
},
"OwnerAlias" : {
  "deprecated" : false,
  "documentation" : "<p>Value from an Amazon-maintained list (<code>amazon</code> | <code>aws-marketplace</code> | <code>microsoft</code>) of snapshot owners. Not to be confused with the user-configured AWS account alias, which is set from the IAM console.</p>",
  "flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ownerAlias",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"OwnerId" : {
"deprecated" : false,
"documentation" : "<p>The AWS account ID of the EBS snapshot owner.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ownerId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Progress" : {
"deprecated" : false,
"documentation" : "<p>The progress of the snapshot, as a percentage.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "progress",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the snapshot. Each snapshot receives a unique identifier when it is created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "snapshotId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"StartTime": {  
  "deprecated": false,  
  "documentation": "<p>The time stamp when the snapshot was initiated.</p>",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "startTime",  
  "payload": false,  
  "queryName": null,  
  "shape": "DateTime",  
  "streaming": false,  
  "xmlNamespace": null
},  
"State": {  
  "deprecated": false,  
  "documentation": "<p>The snapshot state.</p>",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "status",  
  "payload": false,  
  "queryName": null,  
  "shape": "SnapshotState",  
  "streaming": false,  
  "xmlNamespace": null
},  
"StateMessage": {  
  "deprecated": false,  
  "documentation": "<p>Encrypted Amazon EBS snapshots are copied asynchronously. If a snapshot copy operation fails (for example, if the proper AWS Key Management Service (AWS KMS) permissions are not obtained) this field displays error state details to help you diagnose why the error occurred. This parameter is only returned by the <a>DescribeSnapshots</a> API operation.</p>",  
  "flattened": false,  
  "idempotencyToken": false,  
  "location": null,  
  "locationName": "statusMessage",  
  "payload": false,  
  "queryName": null,  
  "shape": "String",  
  "streaming": false,  
  "xmlNamespace": null
},  
"Tags": {  
  "deprecated": false,  
  "documentation": "<p>Any tags assigned to the snapshot.</p>",  
  "flattened": false,  
  "idempotencyToken": false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "The ID of the volume that was used to create the snapshot. Snapshots created by the \<a\>CopySnapshot\</a\> action have an arbitrary volume ID that should not be used for any purpose.\"",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeSize" : {
  "deprecated" : false,
  "documentation" : "The size of the volume, in GiB.\"",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeSize",
  "payload" : false,
  "queryName" : null,
  "shape" : "Integer",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SnapshotAttributeName" : {
  "deprecated" : false,
  "documentation" : null,
"enum" : [ "productCodes", "createVolumePermission" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"SnapshotDetail" : {
"deprecated" : false,
"documentation" : "<p>Describes the snapshot created from the imported disk.</p>".
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ {
"Description" : {
"deprecated" : false,
"documentation" : "<p>A description for the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DeviceName" : {
"deprecated" : false,
"documentation" : "<p>The block device mapping for the snapshot.</p>",
"flattened" : false,
"idempotencyToken" : false,
"locationName" : null,
"payload" : false,
"queryName" : null,
"location": null,
"locationName": "deviceName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"DiskImageSize": {
"deprecated": false,
"documentation": "The size of the disk in the snapshot, in GiB.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "diskImageSize",
"payload": false,
"queryName": null,
"shape": "Double",
"streaming": false,
"xmlNamespace": null
},
"Format": {
"deprecated": false,
"documentation": "The format of the disk image from which the snapshot is created.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "format",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Progress": {
"deprecated": false,
"documentation": "The percentage of progress for the task.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "progress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SnapshotId": {

"deprecated": false,
"documentation": "<p>The snapshot ID of the disk being imported.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "snapshotId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>A brief status of the snapshot creation.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"StatusMessage": {
"deprecated": false,
"documentation": "<p>A detailed status message for the snapshot creation.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"Url": {
"deprecated": false,
"documentation": "<p>The URL used to access the disk image.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "url",
"payload": false,
"queryName": null,
"shape": "String"}
"streaming": false,
"xmlNamespace": null
},
"UserBucket": {
"deprecated": false,
"documentation": "<p>The S3 bucket for the disk image.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "userBucket",
"payload": false,
"queryName": null,
"shape": "UserBucketDetails",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SnapshotDetailList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "SnapshotDetail",
"streaming": false,
"xmlNamespace": null
}
"SnapshotDiskContainer" : {
  "deprecated" : false,
  "documentation" : "The disk container object for the import snapshot request.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Description" : {
      "deprecated" : false,
      "documentation" : "The description of the disk image being imported.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "Format" : {
      "deprecated" : false,
      "documentation" : "The format of the disk image being imported.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : null,
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "Required" : false,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}
"xmlNamespace" : null
},
"Url" : {
  "deprecated" : false,
  "documentation" : "<p>The URL to the Amazon S3-based disk image being imported. It can either be a https URL (https://..) or an Amazon S3 URL (s3://..).</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"UserBucket" : {
  "deprecated" : false,
  "documentation" : "<p>The S3 bucket for the disk image.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : null,
  "payload" : false,
  "queryName" : null,
  "shape" : "UserBucket",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SnapshotIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SnapshotId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
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"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SnapshotList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "Snapshot",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { }
}
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DiskImageSize" : {
"deprecated" : false,
"documentation" : "<p>The size of the disk in the snapshot, in GiB.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "diskImageSize",
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
},
"Format" : {
"deprecated" : false,
"documentation" : "<p>The format of the disk image from which the snapshot is created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "format",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Progress" : {
"deprecated" : false,
"documentation" : "<p>The percentage of completion for the import snapshot task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "progress",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The snapshot ID of the disk being imported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "snapshotId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"Status" : {
"deprecated" : false,
"documentation" : "<p>A brief status for the import snapshot task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StatusMessage" : {
"deprecated" : false,
"documentation" : "<p>A detailed status message for the import snapshot task.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "statusMessage",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Url" : {
"deprecated" : false,
"documentation" : "<p>The URL of the disk image from which the snapshot is created.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "url",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"UserBucket" : {
"deprecated" : false,
"documentation" : "The S3 bucket for the disk image.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "userBucket",
"payload" : false,
"queryName" : null,
"shape" : "UserBucketDetails",
"streaming" : false,
"xmlNamespace" : null
}
},
"SpotDatafeedSubscription" : {
"deprecated" : false,
"documentation" : "Describes the data feed for a Spot instance.

"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Bucket" : {
"deprecated" : false,
"documentation" : "The Amazon S3 bucket where the Spot instance data feed is located.

"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "bucket",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
null
}
"Fault" : {
  
  "deprecated" : false,
  "documentation" : "<p>The fault codes for the Spot instance request, if any.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "fault",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotInstanceStateFault",
  "streaming" : false,
  "xmlNamespace" : null
},
"OwnerId" : {
  
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the account.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ownerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Prefix" : {
  
  "deprecated" : false,
  "documentation" : "<p>The prefix that is prepended to data feed files.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "prefix",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  
  "deprecated" : false,
  "documentation" : "<p>The state of the Spot instance data feed subscription.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "streaming" : function (prefix, state, idempotencyToken) {
    return {
      xmlNamespace: null,
      flattened: false,
      idempotencyToken: false,
      location: null,
      locationName: "state",
      payload: null,
      queryName: null,
      shape: state,
      streaming: false,
      xmlNamespace: null
    };
  }
}
"payload": false,
"queryString": null,
"shape": "DatafeedSubscriptionState",
"streaming": false,
"xmlNamespace": null
}
",
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
",
"SpotFleetLaunchSpecification": {
"deprecated": false,
"documentation": "Describes the launch specification for one or more Spot instances.\"",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AddressingType": {
"deprecated": false,
"documentation": "Deprecated.\",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "addressingType",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
"BlockDeviceMappings": {
"deprecated": false,
"documentation": "One or more block device mapping entries.\",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDeviceMapping",
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"payload" : false,
"queryName" : null,
"shape" : "BlockDeviceMappingList",
"streaming" : false,
"xmlNamespace" : null
},
"EbsOptimized" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the instances are optimized for EBS I/O. This optimization provides
dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O
performance. This optimization isn't available with all instance types. Additional usage charges apply when using an
EBS Optimized instance.</p> <p>Default: <code>false</code></p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ebsOptimized",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"IamInstanceProfile" : {
"deprecated" : false,
"documentation" : "<p>The IAM instance profile.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamInstanceProfile",
"payload" : false,
"queryName" : null,
"shape" : "IamInstanceProfileSpecification",
"streaming" : false,
"xmlNamespace" : null
},
"ImageId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the AMI.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "imageId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}.
"InstanceType" : {
    "deprecated" : false,
    "documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceType",
    "payload" : false,
    "queryName" : null,
    "shape" : "InstanceType",
    "streaming" : false,
    "xmlNamespace" : null
},
"KernelId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the kernel.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "kernelId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"KeyName" : {
    "deprecated" : false,
    "documentation" : "<p>The name of the key pair.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "keyName",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
},
"Monitoring" : {
    "deprecated" : false,
    "documentation" : "<p>Enable or disable monitoring for the instances.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "monitoring",
    "payload" : false,
    "queryName" : null,
"shape" : "SpotFleetMonitoring",
"streaming" : false,
"xmlNamespace" : null
],
"NetworkInterfaces" : {
"deprecated" : false,
"documentation" : "<p>One or more network interfaces. If you specify a network interface, you must specify subnet IDs and security group IDs using the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceSet",
"payload" : false,
"queryString" : null,
"shape" : "InstanceNetworkInterfaceSpecificationList",
"streaming" : false,
"xmlNamespace" : null
],
"Placement" : {
"deprecated" : false,
"documentation" : "<p>The placement information.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "placement",
"payload" : false,
"queryString" : null,
"shape" : "SpotPlacement",
"streaming" : false,
"xmlNamespace" : null
],
"RamdiskId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the RAM disk.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ramdiskId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
],
"SecurityGroups" : {
"deprecated" : false,
"documentation" : "<p>One or more security groups. When requesting instances in a VPC, you must specify the IDs of the security groups. When requesting instances in EC2-Classic, you can specify the names or the IDs of
the security groups.

"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupSet",
"payload": false,
"queryName": null,
"shape": "GroupIdentifierList",
"streaming": false,
"xmlnsNamespace": null
},
"SpotPrice": {
"deprecated": false,
"documentation": "The bid price per unit hour for the specified instance type. If this value is not specified, the default is the Spot bid price specified for the fleet. To determine the bid price per unit hour, divide the Spot bid price by the value of \texttt{WeightedCapacity}.</p",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"SubnetId": {
"deprecated": false,
"documentation": "The ID of the subnet in which to launch the instances. To specify multiple subnets, separate them using commas; for example, \texttt{subnet-a61dafcf, subnet-65ea5f08}.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "subnetId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlnsNamespace": null
},
"UserData": {
"deprecated": false,
"documentation": "The user data to make available to the instances. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.</p",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName" : "userData",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"WeightedCapacity" : {
  "deprecated" : false,
  "documentation" : "The number of units provided by the specified instance type. These are the same units
  that you chose to set the target capacity in terms (instances or a performance characteristic such as vCPUs, memory,
  or I/O). If the target capacity divided by this value is not a whole number, we round the number of
  instances to the next whole number. If this value is not specified, the default is 1."",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "weightedCapacity",
  "payload" : false,
  "queryName" : null,
  "shape" : "Double",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"SpotFleetMonitoring" : {
  "deprecated" : false,
  "documentation" : "Describes whether monitoring is enabled.
  Default: false"
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "enabled",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SpotFleetRequestConfig" : {
"deprecated" : false,
"documentation" : "<p>Describes a Spot fleet request.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"ActivityStatus" : {
"deprecated" : false,
"documentation" : "<p>The progress of the Spot fleet request. If there is an error, the status is
<code>error</code>. After all bids are placed, the status is <code>pending_fulfillment</code>. If the size of the fleet is equal to or greater than its target capacity, the status is <code>fulfilled</code>. If the size of the fleet is decreased, the status is <code>pending_termination</code> while Spot instances are terminating.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "activityStatus",
"payload" : false,
"queryName" : null,
"shape" : "ActivityStatus",
"streaming" : false,
"xmlnsNamespace" : null
},
}
"CreateTime" : {
  "deprecated" : false,
  "documentation" : "<p>The creation date and time of the request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "createTime",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},

"SpotFleetRequestConfig" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the configuration of the Spot fleet request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestConfig",
  "payload" : false,
  "queryName" : null,
  "shape" : "SpotFleetRequestConfigData",
  "streaming" : false,
  "xmlNamespace" : null
},

"SpotFleetRequestId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the Spot fleet request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"SpotFleetRequestState" : {
  "deprecated" : false,
  "documentation" : "<p>The state of the Spot fleet request.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "spotFleetRequestState",
  "payload" : false,
  "queryName" : null,
"shape": "BatchState",
"streaming": false,
"xmlNamespace": null
},

{,
"min": 0,
"pattern": null,
"payload": null,
"required": ["SpotFleetRequestId", "SpotFleetRequestState", "SpotFleetRequestConfig", "CreateTime"],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"SpotFleetRequestConfigData": {
"deprecated": false,
"documentation": "<p>Describes the configuration of a Spot fleet request.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"AllocationStrategy": {
"deprecated": false,
"documentation": "<p>Indicates how to allocate the target capacity across the Spot pools specified by the Spot fleet request. The default is <code>lowestPrice</code>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "allocationStrategy",
"payload": false,
"queryName": null,
"shape": "AllocationStrategy",
"streaming": false,
"xmlNamespace": null
},

"ClientToken": {
"deprecated": false,
"documentation": "<p>A unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see &lt;a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/Run_Instance_Idempotency.html">Ensuring Idempotency</a>.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "clientToken",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"ExcessCapacityTerminationPolicy" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether running Spot instances should be terminated if the target capacity of
the Spot fleet request is decreased below the current size of the Spot fleet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "excessCapacityTerminationPolicy",
"payload" : false,
"queryName" : null,
"shape" : "ExcessCapacityTerminationPolicy",
"streaming" : false,
"xmlNamespace" : null
},
"FulfilledCapacity" : {
"deprecated" : false,
"documentation" : "<p>The number of units fulfilled by this request compared to the set target capacity.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fulfilledCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Double",
"streaming" : false,
"xmlNamespace" : null
},
"IamFleetRole" : {
"deprecated" : false,
"documentation" : "<p>Grants the Spot fleet permission to terminate Spot instances on your behalf when you
cancel its Spot fleet request using &lt;a&gt;CancelSpotFleetRequests&lt;/a&gt; or when the Spot fleet request expires, if you
set &lt;code&gt;terminateInstancesWithExpiration&lt;/code&gt;.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "iamFleetRole",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace": null
},
"LaunchSpecifications": {
"deprecated": false,
"documentation": "<p>Information about the launch specifications for the Spot fleet request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "launchSpecifications",
"payload": false,
"queryName": null,
"shape": "LaunchSpecsList",
"streaming": false,
"xmlNamespace": null
},
"ReplaceUnhealthyInstances": {
"deprecated": false,
"documentation": "<p>Indicates whether Spot fleet should replace unhealthy instances.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "replaceUnhealthyInstances",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"SpotPrice": {
"deprecated": false,
"documentation": "<p>The bid price per unit hour.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"TargetCapacity": {
"deprecated": false,
"documentation": "<p>The number of units to request. You can choose to set the target capacity in terms of instances or a performance characteristic that is important to your application workload, such as vCPUs, memory, or I/O.</p>",
"flattened": false,
"idempotencyToken": false,
"location" : null,
"locationName" : "targetCapacity",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"TerminateInstancesWithExpiration" : {
  "deprecated" : false,
  "documentation" : "<p>Indicates whether running Spot instances should be terminated when the Spot fleet request expires.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "terminateInstancesWithExpiration",
  "payload" : false,
  "queryName" : null,
  "shape" : "Boolean",
  "streaming" : false,
  "xmlNamespace" : null
},
"Type" : {
  "deprecated" : false,
  "documentation" : "<p>The type of request. Indicates whether the fleet will only <code>request</code> the target capacity or also attempt to <code>maintain</code> it. When you <code>request</code> a certain target capacity, the fleet will only place the required bids. It will not attempt to replenish Spot instances if capacity is diminished, nor will it submit bids in alternative Spot pools if capacity is not available. When you want to <code>maintain</code> a certain target capacity, fleet will place the required bids to meet this target capacity. It will also automatically replenish any interrupted instances. Default: <code>maintain</code>.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "type",
  "payload" : false,
  "queryName" : null,
  "shape" : "FleetType",
  "streaming" : false,
  "xmlNamespace" : null
},
"ValidFrom" : {
  "deprecated" : false,
  "documentation" : "<p>The start date and time of the request, in UTC format (for example, &lt;i&gt;YYYY&lt;/i&gt;-&lt;i&gt;MM&lt;/i&gt;-&lt;i&gt;DD&lt;/i&gt;&lt;i&gt;HH&lt;/i&gt;&lt;i&gt;MM&lt;/i&gt;&lt;i&gt;SS&lt;/i&gt;Z). The default is to start fulfilling the request immediately.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName": "validFrom",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"ValidUntil": {
"deprecated": false,
"documentation": "The end date and time of the request, in UTC format (for example, \[i\]YYYY\[/i\]-\[i\]MM\[/i\]-\[i\]DD\[/i\]\[i\]HH\[/i\]:\[i\]MM\[/i\]:\[i\]SS\[/i\]Z]. At this point, no new Spot instance requests are placed or enabled to fulfill the request.\[/p\]",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "validUntil",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": ["SpotPrice", "TargetCapacity", "IamFleetRole", "LaunchSpecifications" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SpotFleetRequestConfigSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "SpotFleetRequestConfig",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"SpotInstanceRequest": {
"deprecated": false,
"documentation": "<p>Describes a Spot instance request.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ ]

"ActualBlockHourlyPrice": {
"deprecated": false,
"documentation": "<p>If you specified a duration and your Spot instance request was fulfilled, this is the fixed hourly price in effect for the Spot instance while it runs.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "actualBlockHourlyPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"AvailabilityZoneGroup": {
"deprecated": false,
"documentation": "<p>The Availability Zone group. If you specify the same Availability Zone group for all Spot instance requests, all Spot instances are launched in the same Availability Zone.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "availabilityZoneGroup",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"BlockDurationMinutes": {
"deprecated": false,
"documentation": "The duration for the Spot instance, in minutes.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "blockDurationMinutes",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"CreateTime": {
"deprecated": false,
"documentation": "The date and time when the Spot instance request was created, in UTC format (for
example, 2023-04-01T10:20:30Z).
",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "createTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"Fault": {
"deprecated": false,
"documentation": "The fault codes for the Spot instance request, if any.\n",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "fault",
"payload": false,
"queryName": null,
"shape": "SpotInstanceStateFault",
"streaming": false,
"xmlNamespace": null
}
"InstanceId": {
  "deprecated": false,
  "documentation": "The instance ID, if an instance has been launched to fulfill the Spot instance request.
  "location": null,
  "locationName": "instanceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchGroup": {
  "deprecated": false,
  "documentation": "The instance launch group. Launch groups are Spot instances that launch together and terminate together.
  "location": null,
  "locationName": "launchGroup",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchSpecification": {
  "deprecated": false,
  "documentation": "Additional information for launching instances.
  "location": null,
  "locationName": "launchSpecification",
  "payload": false,
  "queryName": null,
  "shape": "LaunchSpecification",
  "streaming": false,
  "xmlNamespace": null
},
"LaunchedAvailabilityZone": {
  "deprecated": false,
  "documentation": "The Availability Zone in which the bid is launched.
  "location": null,
  "locationName": "launchedAvailabilityZone",
  "payload": false,
  "queryName": null,
  "shape": "LaunchedAvailabilityZone",
  "streaming": false,
  "xmlNamespace": null
}
"locationName": "launchedAvailabilityZone",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ProductDescription": {
"deprecated": false,
"documentation": "<p>The product description associated with the Spot instance.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "productDescription",
"payload": false,
"queryName": null,
"shape": "RIProductDescription",
"streaming": false,
"xmlNamespace": null
},
"SpotInstanceRequestId": {
"deprecated": false,
"documentation": "<p>The ID of the Spot instance request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotInstanceRequestId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"SpotPrice": {
"deprecated": false,
"documentation": "<p>The maximum hourly price (bid) for the Spot instance launched to fulfill the request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"State": {
"deprecated": false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "SpotInstanceState",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status code and status message describing the Spot instance request.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "SpotInstanceStatus",
"streaming": false,
"xmlNamespace": null
},
"Tags": {
"deprecated": false,
"documentation": "<p>Any tags assigned to the resource.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tagSet",
"payload": false,
"queryName": null,
"shape": "TagList",
"streaming": false,
"xmlNamespace": null
},
"Type": {
"deprecated": false,
"documentation": "<p>The Spot instance request type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "type",
"payload": false,
"payload" : false,
"queryName" : null,
"shape" : "SpotInstanceType",
"streaming" : false,
"xmlNamespace" : null
},
"ValidFrom" : {
 "deprecated" : false,
 "documentation" : "<p>The start date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>\(T\<i>HH</i>:<i>MM</i>:<i>SS</i>Z\). The request becomes active at this date and time.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "validFrom",
 "payload" : false,
 "queryName" : null,
 "shape" : "DateTime",
 "streaming" : false,
 "xmlNamespace" : null
 },
"ValidUntil" : {
 "deprecated" : false,
 "documentation" : "<p>The end date of the request, in UTC format (for example, <i>YYYY</i>-<i>MM</i>-<i>DD</i>\(T\<i>HH</i>:<i>MM</i>:<i>SS</i>Z\). If this is a one-time request, it remains active until all instances launch, the request is canceled, or this date is reached. If the request is persistent, it remains active until it is canceled or this date is reached.</p>",
 "flattened" : false,
 "idempotencyToken" : false,
 "location" : null,
 "locationName" : "validUntil",
 "payload" : false,
 "queryName" : null,
 "shape" : "DateTime",
 "streaming" : false,
 "xmlNamespace" : null
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},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"SpotInstanceRequestIdList" : [
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "SpotInstanceRequestId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
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"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SpotInstanceRequestList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
  },
  "members" : [ ],
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  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "list",
  "value" : null,
  "wrapper" : false
}

"member": null,
"members": {
  "Code": {
    "deprecated": false,
    "documentation": "The reason code for the Spot instance state change."
  },
  "Message": {
    "deprecated": false,
    "documentation": "The message for the Spot instance state change."
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SpotInstanceStatus": {
  "deprecated": false,
  "documentation": "Describes the status of a Spot instance request."
}
"member": null,
"members": [
  "Code": {
    "deprecated": false,
    "documentation": "The status code. For a list of status codes, see Spot Bid Status Codes in the Amazon Elastic Compute Cloud User Guide.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "code",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Message": {
    "deprecated": false,
    "documentation": "The description for the status code.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "message",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "UpdateTime": {
    "deprecated": false,
    "documentation": "The date and time of the most recent status update, in UTC format (for example, YYYY-MM-DDTHH:MM:SSZ).",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "updateTime",
    "payload": false,
    "queryName": null,
    "shape": "DateTime",
    "streaming": false,
    "xmlNamespace": null
  }
],
"min": 0,
"pattern": null,
"payload": null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"SpotInstanceType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "one-time", "persistent" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}

"SpotPlacement" : {
"deprecated" : false,
"documentation" : "<p>Describes Spot instance placement.</p>

"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone. &lt;p&gt;[Spot fleet only] To specify multiple Availability Zones, separate them using commas; for example, \"us-west-2a, us-west-2b\".</p> ",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"GroupName": {
"deprecated": false,
"documentation": "The name of the placement group (for cluster instances).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "groupName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Tenancy": {
"deprecated": false,
"documentation": "The tenancy of the instance (if the instance is running in a VPC). An instance with a
tenancy of <code>dedicated</code> runs on single-tenant hardware. The <code>host</code> tenancy is not
supported for Spot instances."
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "tenancy",
"payload": false,
"queryName": null,
"shape": "Tenancy",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SpotPrice": {
"deprecated": false,
"documentation": "Describes the maximum hourly price (bid) for any Spot instance launched to fulfill the
request."
"enum": null,
"enum": null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
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"AvailabilityZone" : {
"deprecated" : false,
"documentation" : "<p>The Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "availabilityZone",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"InstanceType" : {
"deprecated" : false,
"documentation" : "<p>The instance type. Note that T2 and HS1 instance types are not supported.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instanceType",
"payload" : false,
"queryName" : null,
"shape" : "InstanceType",
"streaming" : false,
"xmlNamespace" : null
},
"ProductDescription" : {
"deprecated" : false,
"documentation" : "<p>A general description of the AMI.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "productDescription",
"payload" : false,
"queryName" : null,
"shape" : "RIProductDescription",
"streaming" : false,
"xmlNamespace" : null
},
"SpotPrice" : {
"deprecated": false,
"documentation": "The maximum price (bid) that you are willing to pay for a Spot instance.
"flatned": false,
"idempotencyToken": false,
"location": null,
"locationName": "spotPrice",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null,
},
"Timestamp": {
"deprecated": false,
"documentation": "The date and time the request was created, in UTC format (for example,
<\i>YYYY</i>-<\i>MM</i>-<\i>DD</i> \T <i>HH</i>:<i>MM</i>:<i>SS</i>Z).",
"flatned": false,
"idempotencyToken": false,
"location": null,
"locationName": "timestamp",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null,
}
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false,
},
"SpotPriceHistoryList": {
"deprecated": false,
"documentation": null,
"enum": null,
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"key": null,
"max": 0,
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"documentation" : null,
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"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "SpotPrice",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { }
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"StaleIpPermission" : {
"deprecated" : false,
"documentation" : "<p>Describes a stale rule in a security group.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"FromPort" : {
"deprecated" : false,
"documentation" : "<p>The start of the port range for the TCP and UDP protocols, or an ICMP type number. A value of &lt;code&gt;-1&lt;/code&gt; indicates all ICMP types. &lt;/p&gt;",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "fromPort",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlnsNamespace" : null
},
"IpProtocol" : {
"deprecated": false,
"documentation": "The IP protocol name (for <code>tcp</code>, <code>udp</code>, and <code>icmp</code>) or number (see [Protocol Numbers](http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xhtml)).",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipProtocol",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null,
},
"IpRanges": {
"deprecated": false,
"documentation": "One or more IP ranges. Not applicable for stale security group rules.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipRanges",
"payload": false,
"queryName": null,
"shape": "IpRanges",
"streaming": false,
"xmlNamespace": null,
},
"PrefixListIds": {
"deprecated": false,
"documentation": "One or more prefix list IDs for an AWS service. Not applicable for stale security group rules.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "prefixListIds",
"payload": false,
"queryName": null,
"shape": "PrefixListIdSet",
"streaming": false,
"xmlNamespace": null,
},
"ToPort": {
"deprecated": false,
"documentation": "The end of the port range for the TCP and UDP protocols, or an ICMP type number. A value of <code>-1</code> indicates all ICMP types.",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName" : "toPort",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"UserIdGroupPairs" : {
"deprecated" : false,
"documentation" : "One or more security group pairs. Returns the ID of the referenced security group and VPC, and the ID and status of the VPC peering connection.";
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groups",
"payload" : false,
"queryName" : null,
"shape" : "UserIdGroupPairSet",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"StaleIpPermissionSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
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"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : null,
"shape" : null,
"streaming" : false,
"xmlNamespace" : null
}
"payload" : false,
"queryName" : null,
"shape" : "StaleIpPermission",
"streaming" : false,
"xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"StaleSecurityGroup" : {
"deprecated" : false,
"documentation" : "<p>Describes a stale security group (a security group that contains stale rules).</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Description" : {
"deprecated" : false,
"documentation" : "<p>The description of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "description",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"GroupId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId"
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"GroupName" : {
"deprecated" : false,
"documentation" : "<p>The name of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"StaleIpPermissions" : {
"deprecated" : false,
"documentation" : "<p>Information about the stale inbound rules in the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "staleIpPermissions",
"payload" : false,
"queryName" : null,
"shape" : "StaleIpPermissionSet",
"streaming" : false,
"xmlNamespace" : null
},
"StaleIpPermissionsEgress" : {
"deprecated" : false,
"documentation" : "<p>Information about the stale outbound rules in the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "staleIpPermissionsEgress",
"payload" : false,
"queryName" : null,
"shape" : "StaleIpPermissionSet",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC for the security group.</p>",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "vpcId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "GroupId" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"StaleSecurityGroupSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "StaleSecurityGroup",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"StartInstancesRequest": {
"deprecated": false,
"documentation": "<p>Contains the parameters for StartInstances.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "AdditionalInfo": {
    "deprecated": false,
    "documentation": "<p>Reserved.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "additionalInfo",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "InstanceIds": {
    "deprecated": false,
    "documentation": "<p>One or more instance IDs.</p>",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "InstanceId",
    "payload": false,
    "queryName": null,
    "shape": "InstanceIdStringList",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": [ "InstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"StartInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of StartInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"StartingInstances" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more started instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStateChangeList",
"streaming" : false,
"xmlnsNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"State" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "Pending", "Available", "Deleting", "Deleted" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"StateReason" : {
"deprecated" : false,
"documentation" : "<p>Describes a state change.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { }
"Code" : {
"deprecated" : false,
"documentation" : "<p>The reason code for the state change.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "code",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"Message" : {
"deprecated" : false,
"documentation" : "<p>The message for the state change.</p>"
</ul><li><code>Server.InsufficientInstanceCapacity</code>: There was insufficient instance capacity to satisfy the launch request.</li>
</ul><li><code>Server.InternalError</code>: An internal error occurred during instance launch, resulting in termination.</li>
</ul><li><code>Server.ScheduledStop</code>: The instance was stopped due to a scheduled retirement.</li>
</ul><li><code>Server.SpotInstanceTermination</code>: A Spot instance was terminated due to an increase in the market price.</li>
</ul><li><code>Client.InternalError</code>: A client error caused the instance to terminate on launch.</li>
</ul><li><code>Client.InstanceInitiatedShutdown</code>: The instance was shut down using the <code>shutdown -
<code>Client.UserInitiatedShutdown</code>: The instance was shut down using the Amazon EC2 API.

<code>Client.VolumeLimitExceeded</code>: The limit on the number of EBS volumes or total storage was exceeded. Decrease usage or request an increase in your limits.

<code>Client.InvalidSnapshot.NotFound</code>: The specified snapshot was not found.

"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "message",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlns:namespace": null
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
"Status": {
"deprecated": false,
"documentation": null,
"enum": [ "MoveInProgress", "InVpc", "InClassic" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": [ {} ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"StatusName": {
"deprecated": false,
"StopInstancesRequest": {
  "deprecated": false,
  "documentation": "<p>Contains the parameters for StopInstances.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},
"StatusType": {
  "deprecated": false,
  "documentation": null,
  "enum": [ "passed", "failed", "insufficient-data", "initializing" ],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
}
Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances. Default: false

One or more instance IDs.

Contains the output of StopInstances.
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"StoppingInstances" : {
"deprecated" : false,
"documentation" : "Information about one or more stopped instances.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryString" : null,
"shape" : "InstanceStateChangeList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"Storage" : {
"deprecated" : false,
"documentation" : "Describes the storage location for an instance store-backed AMI.\</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"S3" : {
"deprecated" : false,
"documentation" : "An Amazon S3 storage location.\</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : null,
"url" : null,
"urlName" : null
}
}
"payload" : false,
"queryName" : null,
"shape" : "S3Storage",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
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"String" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"Subnet" : {
"deprecated" : false,
"documentation" : "<p>Describes a subnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { }}
"members": {
    "AssignIpv6AddressOnCreation": {
        "deprecated": false,
        "documentation": "Indicates whether a network interface created in this subnet (including a network interface created by <a>RunInstances</a>) receives an IPv6 address.",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "assignIpv6AddressOnCreation",
        "payload": false,
        "queryName": null,
        "shape": "Boolean",
        "streaming": false,
        "xmlNamespace": null
    },
    "AvailabilityZone": {
        "deprecated": false,
        "documentation": "The Availability Zone of the subnet.",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "availabilityZone",
        "payload": false,
        "queryName": null,
        "shape": "String",
        "streaming": false,
        "xmlNamespace": null
    },
    "AvailableIpAddressCount": {
        "deprecated": false,
        "documentation": "The number of unused private IPv4 addresses in the subnet. Note that the IPv4 addresses for any stopped instances are considered unavailable.",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "availableIpAddressCount",
        "payload": false,
        "queryName": null,
        "shape": "Integer",
        "streaming": false,
        "xmlNamespace": null
    },
    "CidrBlock": {
        "deprecated": false,
        "documentation": "The IPv4 CIDR block assigned to the subnet.",
        "flattened": false,
        "idempotencyToken": false,
        "location": null,
        "locationName": "cidrBlock"
    }
}
"locationName" : "cidrBlock",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"DefaultForAz" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether this is the default subnet for the Availability Zone.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "defaultForAz",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6CidrBlockAssociationSet" : {
"deprecated" : false,
"documentation" : "<p>Information about the IPv6 CIDR blocks associated with the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockAssociationSet",
"payload" : false,
"queryName" : null,
"shape" : "SubnetIpv6CidrBlockAssociationSet",
"streaming" : false,
"xmlNamespace" : null
},
"MapPublicIpOnLaunch" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether instances launched in this subnet receive a public IPv4 address.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "mapPublicIpOnLaunch",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {

"deprecated" : false,
"documentation" : "<p>The current state of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "SubnetState",
"streaming" : false,
"xmlNamespace" : null
},
"SubnetId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "subnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the subnet.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC the subnet is in.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"streaming": false,
"xmlNamespace": null
}
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"SubnetCidrBlockState": {
"deprecated": false,
"documentation": "<p>Describes the state of a CIDR block.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"State": {
"deprecated": false,
"documentation": "<p>The state of a CIDR block.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "state",
"payload": false,
"queryName": null,
"shape": "SubnetCidrBlockStateCode",
"streaming": false,
"xmlNamespace": null
},
"StatusMessage": {
"deprecated": false,
"documentation": "<p>A message about the status of the CIDR block, if applicable.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",}
"idempotencyToken" : false,
"location" : null,
"locationName" : "SubnetId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"SubnetIpv6CidrBlockAssociation" : {
"deprecated" : false,
"documentation" : "<p>Describes an IPv6 CIDR block associated with a subnet.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AssociationId" : {
"deprecated" : false,
"documentation" : "<p>The association ID for the CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "associationId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Ipv6CidrBlock" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 CIDR block.</p>",
"flattened" : false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlock",
"payload": false,
"queryString": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
,"Ipv6CidrBlockState": {
"deprecated": false,
"documentation": "<p>Information about the state of the CIDR block.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6CidrBlockState",
"payload": false,
"queryString": null,
"shape": "SubnetCidrBlockState",
"streaming": false,
"xmlNamespace": null
}
,"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
}
,"SubnetIpv6CidrBlockAssociationSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"wrapper": false
},
"SubnetState": {
  "deprecated": false,
  "documentation": null,
  "enum": ["pending", "available"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},
"SummaryStatus": {
  "deprecated": false,
  "documentation": null,
  "enum": ["ok", "impaired", "insufficient-data", "not-applicable", "initializing"],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {},
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  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},
"Tag": {
  "deprecated": false,
  "documentation": "Describes a tag.\</p>"",
  "enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
  "Key": {
    "deprecated": false,
    "documentation": "The key of the tag. Constraints: Tag keys are case-sensitive and accept a maximum of 127 Unicode characters. May not begin with "aws".",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "key",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  },
  "Value": {
    "deprecated": false,
    "documentation": "The value of the tag. Constraints: Tag values are case-sensitive and accept a maximum of 255 Unicode characters.",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "value",
    "payload": false,
    "queryName": null,
    "shape": "String",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"TagDescription": {
  "deprecated": false,
"documentation": "<p>Describes a tag.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Key": {
"deprecated": false,
"documentation": "<p>The tag key.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "key",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ResourceId": {
"deprecated": false,
"documentation": "<p>The ID of the resource. For example, <code>ami-1a2b3c4d</code>.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "resourceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"ResourceType": {
"deprecated": false,
"documentation": "<p>The resource type.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "resourceType",
"payload": false,
"queryName": null,
"shape": "ResourceType",
"streaming": false,
"xmlNamespace": null
}
"Value" : {
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  "documentation" : "<p>The tag value.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "value",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
",
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
",
"TagDescriptionList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : false,
    "queryName" : null,
    "shape" : "TagDescription",
    "streaming" : false,
    "xmlNamespace" : null
  }
",
"members" : [{ },
}
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"TagList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Tag",
"streaming": false,
"xmlNamespace": null
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"members": [],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"TargetConfiguration": {
"deprecated": false,
"documentation": "<p>Information about the Convertible Reserved Instance offering.</p>",
"enum": null,
"error": null,
"exception": false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "InstanceCount" : {
    "deprecated" : false,
    "documentation" : "The number of instances the Convertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "instanceCount",
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "OfferingId" : {
    "deprecated" : false,
    "documentation" : "The ID of the Convertible Reserved Instance offering.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "offeringId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TargetConfigurationRequest" : {
  "deprecated" : false,
  "documentation" : "Details about the target configuration.",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ {
  "InstanceCount" : {
    "deprecated" : false,
    "documentation" : "<p>The number of instances the Covertible Reserved Instance offering can be applied to. This parameter is reserved and cannot be specified in a request</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "Integer",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "OfferingId" : {
    "deprecated" : false,
    "documentation" : "<p>The Convertible Reserved Instance offering ID.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : null,
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "OfferingId" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
],
"TargetConfigurationRequestSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "TargetConfigurationRequest",
  "payload" : false,
  "queryName" : null,
  "shape" : "TargetConfigurationRequest",
  "streaming" : false,
  "xmlnsNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"TargetReservationValue" : {
  "deprecated" : false,
  "documentation" : "<p>The total value of the new Convertible Reserved Instances.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "ReservationValue" : {
      "deprecated" : false,
      "documentation" : "<p>The total value of the Convertible Reserved Instances that make up the exchange. This is the sum of the list value, remaining upfront price, and additional upfront cost of the exchange.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
"locationName" : "reservationValue",
"payload" : false,
"queryName" : null,
"shape" : "ReservationValue",
"streaming" : false,
"xmlNamespace" : null
},
"TargetConfiguration" : {
"deprecated" : false,
"documentation" : "<p>The configuration of the Convertible Reserved Instances that make up the exchange.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "targetConfiguration",
"payload" : false,
"queryName" : null,
"shape" : "TargetConfiguration",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TargetReservationValueSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",}
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"TerminateInstancesRequest" : {
"deprecated" : false,
"documentation" : "Contains the parameters for TerminateInstances.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceIds" : {
"deprecated" : false,
"documentation" : "One or more instance IDs. Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "InstanceId",
"payload" : false,
"queryName" : null,
"shape" : "InstanceIdStringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TerminateInstancesResult" : {
"deprecated" : false,
<p>Contains the output of TerminateInstances.</p>

```
"documentation" : "<p>Information about one or more terminated instances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"TerminatingInstances" : {
"deprecated" : false,
"documentation" : "<p>Information about one or more terminated instances.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceStateChangeList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"TrafficType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "ACCEPT", "REJECT", "ALL" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required": null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
},
"UnassignIpv6AddressesRequest": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Ipv6Addresses": {
"deprecated": false,
"documentation": "The IPv6 addresses to unassign from the network interface.\n<p>\n</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ipv6Addresses",
"payload": false,
"queryName": null,
"shape": "Ipv6AddressList",
"streaming": false,
"xmlNamespace": null
},
"NetworkInterfaceId": {
"deprecated": false,
"documentation": "The ID of the network interface.\n<p>\n</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "networkInterfaceId",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"pattern": null,
"payload": null,
"required" : [ "NetworkInterfaceId", "Ipv6Addresses" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}.
"UnassignIpv6AddressesResult" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"NetworkInterfaceId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "networkInterfaceId",
"payload" : false,
"queryString" : null,
"shape" : "String",
"streaming" : false,
"xmllNamespace" : null
},
"UnassignedIpv6Addresses" : {
"deprecated" : false,
"documentation" : "<p>The IPv6 addresses that have been unassigned from the network interface.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "unassignedIpv6Addresses",
"payload" : false,
"queryString" : null,
"shape" : "Ipv6AddressList",
"streaming" : false,
"xmllNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"UnassignPrivateIpAddressesRequest" : {
  "deprecated" : false,
  "documentation" : "<p>Contains the parameters for UnassignPrivateIpAddresses.</p>",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "NetworkInterfaceId" : {
      "deprecated" : false,
      "documentation" : "<p>The ID of the network interface.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "networkInterfaceId",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    },
    "PrivateIpAddresses" : {
      "deprecated" : false,
      "documentation" : "<p>The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.</p>",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "privateIpAddress",
      "payload" : false,
      "queryName" : null,
      "shape" : "PrivateIpAddressStringList",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
null
"payload" : null,
"required" : [ "NetworkInterfaceId", "PrivateIpAddresses" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnmonitorInstancesRequest" : {
"deprecated" : false,
"documentation" : "<p>Contains the parameters for UnmonitorInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceIds" : {
"deprecated" : false,
"documentation" : "<p>One or more instance IDs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "InstanceId",
"payload" : false,
"queryName" : null,
"shape" : "InstanceIdStringList",
"streaming" : false,
"xmlns" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "InstanceIds" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnmonitorInstancesResult" : {
"deprecated" : false,
"documentation" : "<p>Contains the output of UnmonitorInstances.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"InstanceMonitorings" : {
"deprecated" : false,
"documentation" : "<p>The monitoring information.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "instancesSet",
"payload" : false,
"queryName" : null,
"shape" : "InstanceMonitoringList",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"UnsuccessfulItem" : {
"deprecated" : false,
"documentation" : "<p>Information about items that were not successfully processed in a batch call.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Error" : {
"deprecated" : false,
"documentation" : "<p>Information about the error.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "error",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
}
"payload": false,
"queryName": null,
"shape": "UnsuccessfulItemError",
"streaming": false,
"xmlNamespace": null
}
"ResourceId": {
  "deprecated": false,
  "documentation": "<p>The ID of the resource.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "resourceId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
,"UnsuccessfulItemError": {
  "deprecated": false,
  "documentation": "<p>Information about the error that occurred. For more information about errors, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/APIReference/errors-overview.html">Error Codes</a></p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Code": {
      "deprecated": false,
      "documentation": "<p>The error code.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
{"locationName": "code", "payload": false, "queryName": null, "shape": "String", "streaming": false, "xmlNamespace": null },
"Message": {
  "deprecated": false,
  "documentation": "<p>The error message accompanying the error code.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "message",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
 },
"min": 0,
"pattern": null,
"payload": null,
"required": [ "Code", "Message" ],
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"UnsuccessfulItemList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
"queryName": null,
"shape": "UnsuccessfulItem",
"streaming": false,
"xmlNamespace": null
],
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"UnsuccessfulItemSet": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "UnsuccessfulItem",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}
"UserBucket" : {
    "deprecated" : false,
    "documentation" : "<p>Describes the S3 bucket for the disk image.</p>",
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : {
        "S3Bucket" : {
            "deprecated" : false,
            "documentation" : "<p>The name of the S3 bucket where the disk image is located.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        },
        "S3Key" : {
            "deprecated" : false,
            "documentation" : "<p>The file name of the disk image.</p>",
            "flattened" : false,
            "idempotencyToken" : false,
            "location" : null,
            "locationName" : null,
            "payload" : false,
            "queryName" : null,
            "shape" : "String",
            "streaming" : false,
            "xmlNamespace" : null
        }
    },
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "structure",
    "value" : null,
    "wrapper" : false
},
"UserBucketDetails" : {  
"deprecated" : false,  
"documentation" : "<p>Describes the S3 bucket for the disk image.</p>",  
"enum" : null,  
"error" : null,  
"exception" : false,  
"fault" : false,  
"flattened" : false,  
"key" : null,  
"max" : 0,  
"member" : null,  
"members" : {  
"S3Bucket" : {  
"deprecated" : false,  
"documentation" : "<p>The S3 bucket from which the disk image was created.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "s3Bucket",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
},  
"S3Key" : {  
"deprecated" : false,  
"documentation" : "<p>The file name of the disk image.</p>",  
"flattened" : false,  
"idempotencyToken" : false,  
"location" : null,  
"locationName" : "s3Key",  
"payload" : false,  
"queryName" : null,  
"shape" : "String",  
"streaming" : false,  
"xmlNamespace" : null  
}  
},  
"min" : 0,  
"pattern" : null,  
"payload" : null,  
"required" : null,  
"streaming" : false,  
"type" : "structure",  
"value" : null,  
"wrapper" : false  
}.
"UserData" : {
  "deprecated" : false,
  "documentation" : "Describes the user data for an instance.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "Data" : {
      "deprecated" : false,
      "documentation" : "The user data. If you are using an AWS SDK or command line tool, Base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide Base64-encoded text.
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "data",
      "payload" : false,
      "queryName" : null,
      "shape" : "String",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "structure",
  "value" : null,
  "wrapper" : false
},
"UserGroupStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "UserGroup",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
],
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"UserIdGroupPair" : {
"deprecated" : false,
"documentation" : "<p>Describes a security group and AWS account ID pair.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"GroupId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the security group.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "groupId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
},
"GroupName" : {
"deprecated" : false,
The name of the security group. In a request, use this parameter for a security group in EC2-Classic or a default VPC only. For a security group in a nondefault VPC, use the security group ID.

The status of a VPC peering connection, if applicable.

The ID of an AWS account. For a referenced security group in another VPC, the account ID of the referenced security group is returned. For a referenced security group in another AWS account, the account ID of the referenced security group is returned.

The ID of the VPC for the referenced security group, if applicable.
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"UserIdGroupPairSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "UserIdGroupPair",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ {} ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"UserIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "UserId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"ValueStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "item",
    "payload" : null,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "type" : "list",
    "value" : null,
    "wrapper" : false
  }
}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VgwTelemetry" : { 
"deprecated" : false,
"documentation" : "Describes telemetry for a VPN tunnel.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { 
"AcceptedRouteCount" : { 
"deprecated" : false,
"documentation" : "The number of accepted routes.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "acceptedRouteCount",
"payload" : false,
"queryString" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"LastStatusChange" : { 
"deprecated" : false,
"documentation" : "The date and time of the last change in status.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "lastStatusChange",
"payload" : false,
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"OutsideIpAddress": {
"deprecated": false,
"documentation": "<p>The Internet-routable IP address of the virtual private gateway’s outside interface.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "outsideIpAddress",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "<p>The status of the VPN tunnel.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "status",
"payload": false,
"queryName": null,
"shape": "TelemetryStatus",
"streaming": false,
"xmlNamespace": null
},
"StatusMessage": {
"deprecated": false,
"documentation": "<p>If an error occurs, a description of the error.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}
},
"min": 0,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"Volume" : {
"deprecated" : false,
"documentation" : "<p>Describes a volume.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "Attachments" : {
    "deprecated" : false,
    "documentation" : "<p>Information about the volume attachments.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "attachmentSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "VolumeAttachmentList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "AvailabilityZone" : {
    "deprecated" : false,
    "documentation" : "<p>The Availability Zone for the volume.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "availabilityZone",
    "payload" : false,
    "queryName" : null,
  }
},
"VolumeAttachments" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the volume attachments.
"flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "attachmentSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeAttachmentList",
  "streaming" : false,
  "xmlNamespace" : null
},
"AvailabilityZone" : {
  "deprecated" : false,
  "documentation" : "<p>The Availability Zone for the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "availabilityZone",
  "payload" : false,
  "queryName" : null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"CreateTime": {
"deprecated": false,
"documentation": "<p>The time stamp when volume creation was initiated.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "createTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"Encrypted": {
"deprecated": false,
"documentation": "<p>Indicates whether the volume will be encrypted.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "encrypted",
"payload": false,
"queryName": null,
"shape": "Boolean",
"streaming": false,
"xmlNamespace": null
},
"Iops": {
"deprecated": false,
"documentation": "<p>The number of I/O operations per second (IOPS) that the volume supports. For Provisioned IOPS SSD volumes, this represents the number of IOPS that are provisioned for the volume. For General Purpose SSD volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting. For more information on General Purpose SSD baseline performance, I/O credits, and bursting, see <a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html">Amazon EBS Volume Types</a> in the Amazon Elastic Compute Cloud User Guide</p>.
<p>Constraint: Range is 100-20000 IOPS for io1 volumes and 100-10000 IOPS for gp2 volumes.</p>.
<p>Condition: This parameter is required for requests to create io1 volumes; it is not used in requests to create gp2 volumes, st1 volumes, sc1 volumes, or standard volumes.</p>.
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "iops",
"payload": false,
"queryName": null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"KmsKeyId" : {
"deprecated" : false,
"documentation" : "<p>The full ARN of the AWS Key Management Service (AWS KMS) customer master key (CMK) that was used to protect the volume encryption key for the volume.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "kmsKeyId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Size" : {
"deprecated" : false,
"documentation" : "<p>The size of the volume, in GiBs.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "size",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"SnapshotId" : {
"deprecated" : false,
"documentation" : "<p>The snapshot from which the volume was created, if applicable.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "snapshotId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The volume state.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "VolumeState",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
  "deprecated" : false,
  "documentation" : "Any tags assigned to the volume.<p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "The ID of the volume.<p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeType" : {
  "deprecated" : false,
  "documentation" : "The volume type. This can be <code>gp2</code> for General Purpose SSD,<code>io1</code> for Provisioned IOPS SSD, <code>st1</code> for Throughput Optimized HDD, <code>sc1</code> for Cold HDD, or <code>standard</code> for Magnetic volumes.<p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeType",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeType",
  "streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeAttachment" : {
"deprecated" : false,
"documentation" : "<p>Describes volume attachment details.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"AttachTime" : {
"deprecated" : false,
"documentation" : "<p>The time stamp when the attachment initiated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "attachTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlNamespace" : null
},
"DeleteOnTermination" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether the EBS volume is deleted on instance termination.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "deleteOnTermination",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"Device" : {
  "deprecated" : false,
  "documentation" : "<p>The device name.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "device",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"InstanceId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the instance.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "instanceId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"State" : {
  "deprecated" : false,
  "documentation" : "<p>The attachment state of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "status",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeAttachmentState",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
}
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
],
"VolumeAttachmentList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "VolumeAttachment",
"streaming" : false,
"xmlNamespace" : null
}
],
"members" : { }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
"VolumeAttachmentState" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "attaching", "attached", "detaching", "detached" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},

"VolumeAttributeName" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "autoEnableIO", "productCodes" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : [ ],
  "min" : 0,
  "pattern" : null,
  "payload" : null,
  "required" : null,
  "streaming" : false,
  "type" : "string",
  "value" : null,
  "wrapper" : false
},

"VolumeDetail" : {
  "deprecated" : false,
  "documentation" : "<p>Describes an EBS volume.</p>",
  "enum" : null,
  "error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
    "Size" : {
        "deprecated" : false,
        "documentation" : "<p>The size of the volume, in GiB.</p>",
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "size",
        "payload" : false,
        "queryName" : null,
        "shape" : "Long",
        "streaming" : false,
        "typeName" : "null",
        "xmlNamespace" : null
    }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : [ "Size" ],
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeIdStringList" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : {
        "deprecated" : false,
        "documentation" : null,
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "VolumeId",
        "payload" : false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VolumeList": {
"deprecated": false,
"documentation": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "Volume",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
}
"VolumeModification" : {
  "deprecated" : false,
  "documentation" : "Describes the modification status of an EBS volume. If the volume has never been modified, some element values will be null."
}
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "EndTime" : {
    "deprecated" : false,
    "documentation" : "Modification completion or failure time."
  },
  "ModificationState" : {
    "deprecated" : false,
    "documentation" : "Current state of modification. Possible values are modifying | optimizing | complete | failed. Modification state is null for unmodified volumes."
  },
  "OriginalIops" : {
    "deprecated" : false,
    "documentation" : "Original IOPS rate of the volume being modified."
  }
}
"idempotencyToken" : false,
"location" : null,
"locationName" : "endTime",
"payload" : false,
"queryName" : null,
"shape" : "DateTime",
"streaming" : false,
"xmlns" : null
}
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"OriginalSize" : {
"deprecated" : false,
"documentation" : "<p>Original size of the volume being modified.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "originalSize",
"payload" : false,
"queryName" : null,
"shape" : "Integer",
"streaming" : false,
"xmlNamespace" : null
},
"OriginalVolumeType" : {
"deprecated" : false,
"documentation" : "<p>Original EBS volume type of the volume being modified.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "originalVolumeType",
"payload" : false,
"queryName" : null,
"shape" : "VolumeType",
"streaming" : false,
"xmlNamespace" : null
},
"Progress" : {
"deprecated" : false,
"documentation" : "<p>Modification progress from 0 to 100%.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "progress",
"payload" : false,
"queryName" : null,
"shape" : "Long",
"streaming" : false,
"xmlNamespace" : null
},
"StartTime" : {
"deprecated" : false,
"documentation" : "<p>Modification start time</p>",
"flattened" : false,
"idempotencyToken" : false,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "startTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"StatusMessage": {
"deprecated": false,
"documentation": "<p>Generic status message on modification progress or failure.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"TargetIops": {
"deprecated": false,
"documentation": "<p>Target IOPS rate of the volume being modified.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "targetIops",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": null
},
"TargetSize": {
"deprecated": false,
"documentation": "<p>Target size of the volume being modified.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "targetSize",
"payload": false,
"queryName": null,
"shape": "Integer",
"streaming": false,
"xmlNamespace": false
}
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "VolumeModification",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VolumeModificationState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "modifying", "optimizing", "completed", "failed" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "creating", "available", "in-use", "deleting", "deleted", "error" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeStatusAction" : {
"deprecated" : false,
"documentation" : "<p>Describes a volume status operation code.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Code" : {
  "deprecated" : false,
  "documentation" : "<p>The code identifying the operation, for example, &lt;code&gt;enable-volume-io&lt;/code&gt;.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "code",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"Description" : {
  "deprecated" : false,
  "documentation" : "&lt;p&gt;A description of the operation.&lt;/p&gt;",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},

"EventId": {
  "deprecated": false,
  "documentation": "<p>The ID of the event associated with this operation.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "eventId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},

"EventType": {
  "deprecated": false,
  "documentation": "<p>The event type associated with this operation.</p>",
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "eventType",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
}
},

"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},

"VolumeStatusActionsList": {
  "deprecated": false,
  "documentation": null,
  "enum": null,
  "error": null,
  "enum": null,
  "error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "item",
  "payload": false,
  "queryName": null,
  "shape": "VolumeStatusAction",
  "streaming": false,
  "xmlNamespace": null
},
"members": {},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VolumeStatusDetails": {
  "deprecated": false,
  "documentation": "<p>Describes a volume status.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "Name": {
      "deprecated": false,
      "documentation": "<p>The name of the volume status.</p>",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "name",
      "payload": true,
      "queryName": null,
      "shape": "VolumeStatusName",
      "streaming": false,
      "type": "list",
      "value": null,
      "wrapper": false
    }
  }
}
"queryName" : null,
"shape" : "VolumeStatusName",
"streaming" : false,
"xmlNamespace" : null
},
"Status" : {
"deprecated" : false,
"documentation" : "The intended status of the volume status.\n\n"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VolumeStatusDetailsList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "VolumeStatusDetails",}
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VolumeStatusEvent": {
"deprecated": false,
"documentation": "<p>Describes a volume status event.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": {
"Description": {
"deprecated": false,
"documentation": "<p>A description of the event.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "description",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"EventId": {
"deprecated": false,
"documentation": "<p>The ID of this event.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "eventId",
"payload": false,
"queryName": null,
"shape": "String",
}
"streaming" : false,
"xmlNamespace" : null
},
"EventType" : {
  "deprecated" : false,
  "documentation" : "The type of this event.\n\n<p>The type of this event.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "eventType",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"NotAfter" : {
  "deprecated" : false,
  "documentation" : "The latest end time of the event.\n\n<p>The latest end time of the event.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "notAfter",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
},
"NotBefore" : {
  "deprecated" : false,
  "documentation" : "The earliest start time of the event.\n\n<p>The earliest start time of the event.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "notBefore",
  "payload" : false,
  "queryName" : null,
  "shape" : "DateTime",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
**VolumeStatusEventsList**: 
- `deprecated`: false, 
- `documentation`: null, 
- `enum`: null, 
- `error`: null, 
- `exception`: false, 
- `fault`: false, 
- `flattened`: false, 
- `key`: null, 
- `max`: 0, 
- `member`: 
  - `deprecated`: false, 
  - `documentation`: null, 
  - `flattened`: false, 
  - `idempotencyToken`: false, 
  - `location`: null, 
  - `locationName`: "item", 
  - `payload`: false, 
  - `queryName`: null, 
  - `shape": "VolumeStatusEvent", 
  - `streaming`: false, 
  - `xmlNamespace`: null 

`members`: []

**VolumeStatusInfo**: 
- `deprecated`: false, 
- `documentation": "<p>Describes the status of a volume.</p>"`, 
- `enum`: null, 
- `error`: null, 
- `exception`: false, 
- `fault`: false, 
- `flattened`: false, 
- `key`: null, 
- `max`: 0, 
- `member`: null,
"members": {
  "Details": {
    "deprecated": false,
    "documentation": "The details of the volume status."",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "details",
    "payload": false,
    "queryName": null,
    "shape": "VolumeStatusDetailsList",
    "streaming": false,
    "xmlNamespace": null
  },
  "Status": {
    "deprecated": false,
    "documentation": "The status of the volume."",
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "status",
    "payload": false,
    "queryName": null,
    "shape": "VolumeStatusInfoStatus",
    "streaming": false,
    "xmlNamespace": null
  }
},
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "structure",
"value": null,
"wrapper": false
},
"VolumeStatusInfoStatus": {
  "deprecated": false,
  "documentation": null,
  "enum": [ "ok", "impaired", "insufficient-data" ],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
"members" : { }
,"min" : 0,
,"pattern" : null,
,"payload" : null,
,"required" : null,
,"streaming" : false,
,"type" : "string",
,"value" : null,
,"wrapper" : false
},
"VolumeStatusItem" : {
,"deprecated" : false,
,"documentation" : "<p>Describes the volume status.</p>",
,"enum" : null,
,"error" : null,
,"exception" : false,
,"fault" : false,
,"flattened" : false,
,"key" : null,
,"max" : 0,
,"member" : null,
,"members" : {
,"Actions" : {
,"deprecated" : false,
,"documentation" : "<p>The details of the operation.</p>",
,"flattened" : false,
,"idempotencyToken" : false,
,"location" : null,
,"locationName" : "actionsSet",
,"payload" : false,
,"queryName" : null,
,"shape" : "VolumeStatusActionsList",
,"streaming" : false,
,"xmlNamespace" : null
},
,"AvailabilityZone" : {
,"deprecated" : false,
,"documentation" : "<p>The Availability Zone of the volume.</p>",
,"flattened" : false,
,"idempotencyToken" : false,
,"location" : null,
,"locationName" : "availabilityZone",
,"payload" : false,
,"queryName" : null,
,"shape" : "String",
,"streaming" : false,
,"xmlNamespace" : null
}
"Events" : {
  "deprecated" : false,
  "documentation" : "<p>A list of events associated with the volume.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "eventsSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeStatusEventsList",
  "streaming" : false,
  "xmlNamespace" : null
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"VolumeId" : {
  "deprecated" : false,
  "documentation" : "<p>The volume ID.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VolumeStatus" : {
  "deprecated" : false,
  "documentation" : "<p>The volume status.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "volumeStatus",
  "payload" : false,
  "queryName" : null,
  "shape" : "VolumeStatusInfo",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
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    "documentation" : null,
    "enum" : null,
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : {
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        "documentation" : null,
        "flattened" : false,
        "idempotencyToken" : false,
        "location" : null,
        "locationName" : "item",
        "payload" : false,
        "queryName" : null,
        "shape" : "VolumeStatusItem",
        "streaming" : false,
        "xmlNamespace" : null
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    "members" : [ ],
    "min" : 0,
    "pattern" : null,
    "payload" : null,
    "required" : null,
    "streaming" : false,
    "type" : "list",
    "value" : null,
    "wrapper" : false
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"VolumeStatusName" : {
    "deprecated" : false,
    "documentation" : null,
    "enum" : [ "io-enabled", "io-performance" ],
    "error" : null,
    "exception" : false,
    "fault" : false,
    "flattened" : false,
    "key" : null,
    "max" : 0,
    "member" : null,
    "members" : [ ],
    "min" : 0,
    "pattern" : null,
    "required" : null,
    "streaming" : false,
    "type" : "list",
    "value" : null,
    "wrapper" : false
}
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VolumeType" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "standard", "io1", "gp2", "sc1", "st1" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"Vpc" : {
"deprecated" : false,
"documentation" : "Describes a VPC.",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"CidrBlock" : {
"deprecated" : false,
"documentation" : "The IPv4 CIDR block for the VPC.",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "cidrBlock",
"payload" : false,
DhcpOptionsId:
- deprecated: false
- documentation: "The ID of the set of DHCP options you've associated with the VPC (or default if the default options are associated with the VPC)."
- flattened: false
- idempotencyToken: false
- location: null
- locationName: "dhcpOptionsId"
- payload: false
- queryName: null
- shape: "String"
- streaming: false
- xmlNamespace: null

InstanceTenancy:
- deprecated: false
- documentation: "The allowed tenancy of instances launched into the VPC."
- flattened: false
- idempotencyToken: false
- location: null
- locationName: "instanceTenancy"
- payload: false
- queryName: null
- shape: "Tenancy"
- streaming: false
- xmlNamespace: null

Ipv6CidrBlockAssociationSet:
- deprecated: false
- documentation: "Information about the IPv6 CIDR blocks associated with the VPC."
- flattened: false
- idempotencyToken: false
- location: null
- locationName: "ipv6CidrBlockAssociationSet"
- payload: false
- queryName: null
- shape: "VpcIpv6CidrBlockAssociationSet"
- streaming: false
- xmlNamespace: null

IsDefault:
- deprecated: false
- documentation: "Indicates whether the VPC is the default VPC."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "isDefault",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlnsNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The current state of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "VpcState",
"streaming" : false,
"xmlnsNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlnsNamespace" : null
},
"VpcId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlnsNamespace" : null
"VpcAttachment" : {
  "deprecated" : false,
  "documentation" : "Describes an attachment between a virtual private gateway and a VPC.",
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : {
    "State" : {
      "deprecated" : false,
      "documentation" : "The current state of the attachment.",
      "flattened" : false,
      "idempotencyToken" : false,
      "location" : null,
      "locationName" : "state",
      "payload" : false,
      "queryName" : null,
      "shape" : "AttachmentStatus",
      "streaming" : false,
      "xmlNamespace" : null
    }
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "The ID of the VPC.",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
}
"locationName": "statusMessage",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
}

"VpcCidrBlockStateCode": {
  "deprecated": false,
  "documentation": null,
  "enum": [ "associating", "associated", "disassociating", "disassociated", "failing", "failed" ],
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": [
  ],
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
},

"VpcClassicLink": {
  "deprecated": false,
  "documentation": "<p>Describes whether a VPC is enabled for ClassicLink.</p>",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "string",
  "value": null,
  "wrapper": false
}
"member" : null,
"members" : {
  "ClassicLinkEnabled" : {
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the VPC is enabled for ClassicLink.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "classicLinkEnabled",
    "payload" : false,
    "queryName" : null,
    "shape" : "Boolean",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "Tags" : {
    "deprecated" : false,
    "documentation" : "<p>Any tags assigned to the VPC.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "tagSet",
    "payload" : false,
    "queryName" : null,
    "shape" : "TagList",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "VpcId" : {
    "deprecated" : false,
    "documentation" : "<p>The ID of the VPC.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "vpcId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"documentation": null,
"flattened": false,
"idempotencyToken": null,
"location": null,
"locationName": "item",
"payload": false,
"queryName": null,
"shape": "VpcClassicLink",
"streaming": false,
"xmlNamespace": null
},
"members": { },
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
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"VpcEndpoint": {
"deprecated": false,
"documentation": "<p>Describes a VPC endpoint.</p>",
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": null,
"members": { }
"CreationTimestamp": {
"deprecated": false,
"documentation": "<p>The date and time the VPC endpoint was created.</p>",
"flattened": false,
"idempotencyToken": null,
"location": null,
"locationName": "creationTimestamp",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"PolicyDocument": { 
"deprecated": false,
"documentation" : "<p>The policy document associated with the endpoint.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "policyDocument",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
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"RouteTableIds" : {
"deprecated" : false,
"documentation" : "<p>One or more route tables associated with the endpoint.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routeTableIdSet",
"payload" : false,
"queryName" : null,
"shape" : "ValueStringList",
"streaming" : false,
"xmlNamespace" : null
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"ServiceName" : {
"deprecated" : false,
"documentation" : "<p>The name of the AWS service to which the endpoint is associated.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "serviceName",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The state of the VPC endpoint.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "State",
"streaming" : false,
"xmlNamespace" : null,
"VpcEndpointId" : {
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  "documentation" : "<p>The ID of the VPC endpoint.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcEndpointId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC to which the endpoint is associated.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcEndpointSet" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
"member" : { 
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcEndpoint",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpcIdStringList" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : null,
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : {
    "deprecated" : false,
    "documentation" : null,
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "VpcId",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  },
  "members" : { },
  "min" : 0,
"VpcIpv6CidrBlockAssociation": {
  "deprecated": false,
  "documentation": "Describes an IPv6 CIDR block associated with a VPC.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
    "AssociationId": {
      "deprecated": false,
      "documentation": "The association ID for the IPv6 CIDR block.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "associationId",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    },
    "Ipv6CidrBlock": {
      "deprecated": false,
      "documentation": "The IPv6 CIDR block.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "ipv6CidrBlock",
      "payload": false,
      "queryName": null,
      "shape": "String",
      "streaming": false,
      "xmlNamespace": null
    }
  }
},
"Ipv6CidrBlockState": {
  "deprecated": false,
"documentation" : "<p>Information about the state of the CIDR block.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockState",
"payload" : false,
"queryString" : null,
"shape" : "VpcCidrBlockState",
"streaming" : false,
"xmlNamespace" : null
}
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcIpv6CidrBlockAssociationSet" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryString" : null,
"shape" : "VpcIpv6CidrBlockAssociation",
"streaming" : false,
"xmlNamespace" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpcList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
"deprecated" : false,
"documentation" : null,
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "item",
"payload" : false,
"queryName" : null,
"shape" : "Vpc",
"streaming" : false,
"xmlNamespace" : null
},
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnection" : {
"deprecated" : false,
"documentation" : "Describes a VPC peering connection."",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max": 0,
"member": null,
"members": {
"AccepterVpcInfo": {
"deprecated": false,
"documentation": "Information about the accepter VPC. CIDR block information is not returned when creating a VPC peering connection, or when describing a VPC peering connection that's in the <code>initiating-request</code> or <code>pending-acceptance</code> state.<p/>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "accepterVpcInfo",
"payload": false,
"queryName": null,
"shape": "VpcPeeringConnectionVpcInfo",
"streaming": false,
"xmlNamespace": null
},
"ExpirationTime": {
"deprecated": false,
"documentation": "The time that an unaccepted VPC peering connection will expire.<p/>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "expirationTime",
"payload": false,
"queryName": null,
"shape": "DateTime",
"streaming": false,
"xmlNamespace": null
},
"RequesterVpcInfo": {
"deprecated": false,
"documentation": "Information about the requester VPC.<p/>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "requesterVpcInfo",
"payload": false,
"queryName": null,
"shape": "VpcPeeringConnectionVpcInfo",
"streaming": false,
"xmlNamespace": null
},
"Status": {
"deprecated": false,
"documentation": "The status of the VPC peering connection.<p/>",
"flattened": false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "status",
"payload" : false,
"queryName" : null,
"shape" : "VpcPeeringConnectionStateReason",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the resource.</p>",
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"VpcPeeringConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPC peering connection.</p>",
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpcPeeringConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}
}
,"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcPeeringConnection",
  "streaming" : false,
  "xmlns" : null
},
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionOptionsDescription" : {
  "deprecated" : false,
  "documentation" : "Describes the VPC peering connection options."
},
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
  "AllowDnsResolutionFromRemoteVpc" : {
    "deprecated" : false,
    "documentation" : "Indicates whether a local VPC can resolve public DNS hostnames to private IP addresses when queried from instances in a peer VPC."
  },
  "flattened" : false,
  "idempotencyToken" : false,
"location" : null,
"locationName" : "allowDnsResolutionFromRemoteVpc",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"AllowEgressFromLocalClassicLinkToRemoteVpc" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether a local ClassicLink connection can communicate with the peer VPC over the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalClassicLinkToRemoteVpc",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
},
"AllowEgressFromLocalVpcToRemoteClassicLink" : {
"deprecated" : false,
"documentation" : "<p>Indicates whether a local VPC can communicate with a ClassicLink connection in the peer VPC over the VPC peering connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "allowEgressFromLocalVpcToRemoteClassicLink",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
}
},
"VpcPeeringConnectionStateReason" : {
"deprecated" : false,
"location" : null,
"locationName" : null,
"payload" : null,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionStateReason" : {
"deprecated" : false,
Describes the status of a VPC peering connection.

The status of the VPC peering connection.

A message that provides more information about the status, if applicable.
"documentation" : null,
"enum" : [ "initiating-request", "pending-acceptance", "active", "deleted", "rejected", "failed", "expired", "provisioning", "deleting" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VpcPeeringConnectionVpcInfo" : {
"deprecated" : false,
"documentation" : "<p>Describes a VPC in a VPC peering connection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : [ 
  "CidrBlock" : {
    "deprecated" : false,
    "documentation" : "<p>The IPv4 CIDR block for the VPC.</p>",
    "flattened" : false,
    "idempotencyToken" : false,
    "location" : null,
    "locationName" : "cidrBlock",
    "payload" : false,
    "queryName" : null,
    "shape" : "String",
    "streaming" : false,
    "xmlNamespace" : null
  }
},
"Ipv6CidrBlockSet" : {
  "deprecated" : false,
  "documentation" : "<p>The IPv6 CIDR block for the VPC.</p>",
}
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "ipv6CidrBlockSet",
"payload" : false,
"queryName" : null,
"shape" : "Ipv6CidrBlockSet",
"streaming" : false,
"xmlNamespace" : null
},
"OwnerId" : {
  "deprecated" : false,
  "documentation" : "<p>The AWS account ID of the VPC owner.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "ownerId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},
"PeeringOptions" : {
  "deprecated" : false,
  "documentation" : "<p>Information about the VPC peering connection options for the accepter or requester VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "peeringOptions",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpcPeeringConnectionOptionsDescription",
  "streaming" : false,
  "xmlNamespace" : null
},
"VpcId" : {
  "deprecated" : false,
  "documentation" : "<p>The ID of the VPC.</p>",
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "vpcId",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
"xmlNamespace" : null
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
},
"VpcState" : {
"deprecated" : false,
"documentation" : null,
"enum" : [ "pending", "available" ],
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : { },
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
},
"VpnConnection" : {
"deprecated" : false,
"documentation" : "<p>Describes a VPN connection.</p>",
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : null,
"members" : {
"Customer GatewayConfiguration" : {
"deprecated" : false,
"documentation" : "<p>The configuration information for the VPN connection's customer gateway (in the
This element is always present in the `<a>CreateVpnConnection</a>` response; however, it's present in the `<a>DescribeVpnConnections</a>` response only if the VPN connection is in the `<code>pending</code>` or `<code>available</code>` state.

```
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "customerGatewayConfiguration",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"CustomerGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the customer gateway at your end of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "customerGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"Options" : {
"deprecated" : false,
"documentation" : "<p>The VPN connection options.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "options",
"payload" : false,
"queryName" : null,
"shape" : "VpnConnectionOptions",
"streaming" : false,
"xmlNamespace" : null
},
"Routes" : {
"deprecated" : false,
"documentation" : "<p>The static routes associated with the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "routes",
"payload" : false,
"queryName" : null,
"shape" : "VpnStaticRouteList",
"streaming" : false,
"xmlNamespace" : null
},
"State" : {
"deprecated" : false,
"documentation" : "<p>The current state of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "state",
"payload" : false,
"queryName" : null,
"shape" : "VpnState",
"streaming" : false,
"xmlNamespace" : null
},
"Tags" : {
"deprecated" : false,
"documentation" : "<p>Any tags assigned to the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "tagSet",
"payload" : false,
"queryName" : null,
"shape" : "TagList",
"streaming" : false,
"xmlNamespace" : null
},
"Type" : {
"deprecated" : false,
"documentation" : "<p>The type of VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "type",
"payload" : false,
"queryName" : null,
"shape" : "GatewayType",
"streaming" : false,
"xmlNamespace" : null
},
"VgwTelemetry" : {
"deprecated" : false,
"documentation" : "<p>Information about the VPN tunnel.</p>",
"flattened" : false,
"idempotencyToken" : false,
null,
"locationName" : "vgwTelemetry",
"payload" : false,
"queryName" : null,
"shape" : "VgwTelemetryList",
"streaming" : false,
"xmlNamespace" : null
},
"VpnConnectionId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpnConnectionId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
},
"VpnGatewayId" : {
"deprecated" : false,
"documentation" : "<p>The ID of the virtual private gateway at the AWS side of the VPN connection.</p>",
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "vpnGatewayId",
"payload" : false,
"queryName" : null,
"shape" : "String",
"streaming" : false,
"xmlNamespace" : null
}

"VpnConnectionIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}

"VpnConnectionIdStringList" : {
"deprecated" : false,
"documentation" : null,
"enum" : null,
"shape" : "VpnConnection",
"streaming" : false,
"xmlNamespace" : null
}

"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
}

"VpnConnectionOptions" : {
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"documentation" : "Describes VPN connection options.",
"enum" : null,
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"exception" : false,
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"flattened" : false,
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"max" : 0,
"member" : null,
"members" : {
"StaticRoutesOnly" : {
"deprecated" : false,
"documentation" : "Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP."
"flattened" : false,
"idempotencyToken" : false,
"location" : null,
"locationName" : "staticRoutesOnly",
"payload" : false,
"queryName" : null,
"shape" : "Boolean",
"streaming" : false,
"xmlNamespace" : null
 }

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"pattern" : null,
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"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper": false,
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  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": null,
  "members": {
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      "documentation": "Indicates whether the VPN connection uses static routes only. Static routes must be used for devices that don't support BGP.",
      "flattened": false,
      "idempotencyToken": false,
      "location": null,
      "locationName": "staticRoutesOnly",
      "payload": false,
      "queryName": null,
      "shape": "Boolean",
      "streaming": false,
      "xmlNamespace": null
    }
  },
  "min": 0,
  "pattern": null,
  "payload": null,
  "required": null,
  "streaming": false,
  "type": "structure",
  "value": null,
  "wrapper": false
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"VpnGateway": {
  "deprecated": false,
  "documentation": "Describes a virtual private gateway.",
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
"AvailabilityZone" : { 
  "deprecated" : false,
  "documentation" : "The Availability Zone where the virtual private gateway was created, if applicable. This field may be empty or not returned.";
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "availabilityZone",
  "payload" : false,
  "queryName" : null,
  "shape" : "String",
  "streaming" : false,
  "xmlNamespace" : null
},

"State" : { 
  "deprecated" : false,
  "documentation" : "The current state of the virtual private gateway."
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "state",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpnState",
  "streaming" : false,
  "xmlNamespace" : null
},

"Tags" : { 
  "deprecated" : false,
  "documentation" : "Any tags assigned to the virtual private gateway."
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "tagSet",
  "payload" : false,
  "queryName" : null,
  "shape" : "TagList",
  "streaming" : false,
  "xmlNamespace" : null
},

"Type" : { 
  "deprecated" : false,
  "documentation" : "The type of VPN connection the virtual private gateway supports."
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
"locationName": "type",
"payload": false,
"queryName": null,
"shape": "GatewayType",
"streaming": false,
"xmlNamespace": null
},
"VpcAttachments": {
"deprecated": false,
"documentation": "<p>Any VPCs attached to the virtual private gateway.</p>",
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "attachments",
"payload": false,
"queryName": null,
"shape": "VpcAttachmentList",
"streaming": false,
"xmlNamespace": null
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"idempotencyToken": false,
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"locationName": "vpnGatewayId",
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"queryName": null,
"shape": "String",
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},
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"streaming": false,
"type": "structure",
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"wrapper": false
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"VpnGatewayIdStringList": {
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"error": null,
"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
  "deprecated": false,
  "documentation": null,
  "flattened": false,
  "idempotencyToken": false,
  "location": null,
  "locationName": "VpnGatewayId",
  "payload": false,
  "queryName": null,
  "shape": "String",
  "streaming": false,
  "xmlNamespace": null
},
"members": [
  
],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
},
"VpnGatewayList": {
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  "documentation": null,
  "enum": null,
  "error": null,
  "exception": false,
  "fault": false,
  "flattened": false,
  "key": null,
  "max": 0,
  "member": {
    "deprecated": false,
    "documentation": null,
    "flattened": false,
    "idempotencyToken": false,
    "location": null,
    "locationName": "item",
    "payload": false,
    "queryName": null,
    "shape": "VpnGateway",
    "streaming": false,
    "xmlNamespace": null
  }
}

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"streaming" : false,
"xmlNamespace" : null
},
"members" : [  ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpnState" : {
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 "documentation" : null,
 "enum" : [ "pending", "available", "deleting", "deleted" ],
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : null,
 "members" : [  ],
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 "pattern" : null,
 "payload" : null,
 "required" : null,
 "streaming" : false,
 "type" : "string",
 "value" : null,
 "wrapper" : false
},
"VpnStaticRoute" : {
 "deprecated" : false,
 "documentation" : "<p>Describes a static route for a VPN connection.</p>",
 "enum" : null,
 "error" : null,
 "exception" : false,
 "fault" : false,
 "flattened" : false,
 "key" : null,
 "max" : 0,
 "member" : null,
 "members" : [  ]
 "DestinationCidrBlock" : {
  "deprecated" : false,
The CIDR block associated with the local subnet of the customer data center.

Indicates how the routes were provided.

The current state of the static route.

"min" : 0,
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"payload" : null,
"required" : null,
"streaming" : false,
"type" : "structure",
"value" : null,
"wrapper" : false
}
"deprecated" : false,
"documentation" : null,
"enum" : null,
"error" : null,
"exception" : false,
"fault" : false,
"flattened" : false,
"key" : null,
"max" : 0,
"member" : {
  "deprecated" : false,
  "documentation" : null,
  "flattened" : false,
  "idempotencyToken" : false,
  "location" : null,
  "locationName" : "item",
  "payload" : false,
  "queryName" : null,
  "shape" : "VpnStaticRoute",
  "streaming" : false,
  "xmlNamespace" : null
},
"members" : { }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "list",
"value" : null,
"wrapper" : false
},
"VpnStaticRouteSource" : {
  "deprecated" : false,
  "documentation" : null,
  "enum" : [ "Static" ],
  "error" : null,
  "exception" : false,
  "fault" : false,
  "flattened" : false,
  "key" : null,
  "max" : 0,
  "member" : null,
  "members" : { }
},
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming": false,
"type": "string",
"value": null,
"wrapper": false
],
"ZoneNameStringList": {
"deprecated": false,
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"enum": null,
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member": {
"deprecated": false,
"documentation": null,
"flattened": false,
"idempotencyToken": false,
"location": null,
"locationName": "ZoneName",
"payload": false,
"queryName": null,
"shape": "String",
"streaming": false,
"xmlNamespace": null
},
"members": [ ],
"min": 0,
"pattern": null,
"payload": null,
"required": null,
"streaming": false,
"type": "list",
"value": null,
"wrapper": false
],
"scope": {
"deprecated": false,
"documentation": null,
"enum": [ "Availability Zone", "Region" ],
"error": null,
"exception": false,
"fault": false,
"flattened": false,
"key": null,
"max": 0,
"member" : null,
"members" : [ ],
"min" : 0,
"pattern" : null,
"payload" : null,
"required" : null,
"streaming" : false,
"type" : "string",
"value" : null,
"wrapper" : false
}
",
"documentation" : "<fullname>Amazon Elastic Compute Cloud</fullname> <p>Amazon Elastic Compute Cloud (Amazon EC2) provides resizable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster.</p>"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/models/ec2-2016-11-15-model.json
No license file was found, but licenses were detected in source scan.

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* and limitations under the License.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/StatusType.java
* /opt/ws_local/PERMITS_SQL/1041748356_1590802149.35/0/aws-java-sdk-ec2-1-11-91-sources-jar/com/amazonaws/services/ec2/model/transform/ExportTaskStaxUnmarshaller.java
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1.1878 jackson-annotations 2.9.9

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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1.1887 bash 4.2.46 28.el7

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From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ids)
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

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Version 2.1, February 1999
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programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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@enumerate a
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@sp 1
@item Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@sp 1
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jar/com/google/api/client/http/HttpResponseInterceptor.java
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*/
1.1895 libpcap 1.5.3 11.el7

1.1895.1 Available under license:

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1.1897 vim 7.4.160 5.el7
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  *uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

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```
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Note:
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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

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==============================================================================
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income
(if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.  
The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS)
is no longer possible, unfortunately. We are looking for
another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US
checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They
take care of the Canadian sponsors for the children in
Kibaale. KCF forwards 100% of the money to the project in
Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you
will receive a tax receipt which can be submitted with your
tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any
country, mostly from the post office. Use this name (which is
in my passport): "Abraham Moolenaar". Use Euro for the
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
   Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
   Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
   If that doesn't work:
   Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
" Vim syntax file
" Language: Software Distributor product specification file
" (POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

if version < 600
" Remove any old syntax stuff hanging around
syn clear
elseif exists("b:current_syntax")
   finish
endif
" Product specification files are case sensitive
syn case match
syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor
syn match psfUnquotString +[^"# ][^#]*+ contained
syn region psfQuotString start=+"+ skip=+\\"+ end=+"+ contained
syn match psfObjTag "\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9a-z]\+\)*" contained
syn match psfAttAbbrev ",\<\(fa\|fr\|[aclqrv]\)\(<\|>\|<=\|>=\|=\|==\)[^,]\+" contained
syn match psfObjTags "\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9a-z]\+\)*\(\s\+\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9az]\+\)*\)*" contained
syn match psfNumber "\<\d\+\>" contained
syn match psfFloat "\<\d\+\>\(\.\<\d\+\>\)*" contained
syn match psfLongDate "\<\d\d\d\d\d\d\d\d\d\d\d\d\.\d\d\>" contained
syn keyword psfState available configured corrupt installed transient contained
syn keyword psfPState applied committed superseded contained
syn keyword psfBoolean false true contained

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=~^\s*[^# ]\+\s\+[^#" ]~rs=e-1
contains=psfUnquotString,psfComment end=~$~ keepend oneline
syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[^# ]\+\s\+"~rs=e-1
contains=psfQuotString,psfComment skip=~\\"~ matchgroup=psfQuotString end=~"~ keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline
syn region psfAttSpec matchgroup=psfAttrib
start="^\s*\(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

Open Source Used In Virtualized Voice Browser 12.6(1) 28628


Define the default highlighting.
For version 5.7 and earlier: only when not done already
For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
  if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
  else
    command -nargs=+ HiLink hi def link <args>
  endif

HiLink psfObject Statement
HiLink psfAttrib Type
HiLink psfQuotString String
HiLink psfObjTag Identifier
HiLink psfAttAbbrev PreProc
HiLink psfObjTags Identifier
HiLink psfComment Comment
delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"
/*
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 *
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 * of this software and associated documentation files (the "Software"), to
 * deal in the Software without restriction, including without limitation the
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 * sell copies of the Software, and to permit persons to whom the Software is
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Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F

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1.1899 tomcat-api 8.0.43
1.1899.1 Available under license:

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* DNS resolver (dirmngr/dns.c)

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1.1915 json-java 20131018

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1.1939 hk2-api 2.5.0-b32

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1.1941 axiom-common-impl 1.2.13

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1.1942 lucene-join 4.6.0

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```
analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
```

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

```
WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/)
```

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/format/datetime/joda/JodaTimeContext.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/scheduling/Trigger.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/validation/Validator.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/support/SimpleThreadScope.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/scheduling/backportconcurrent/ThreadPoolTaskExecutor.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/event/SourceFilteringListener.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
  jar/org/springframework/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
  jar/org/springframework/scheduling/concurrent/ScheduledExecutorFactoryBean.java

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/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the <code>MBeanServer</code> for bean references.
 * This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
 * @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
*/

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/ApplicationObjectSupport.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scripting/support/StaticScriptSource.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/ejb/access/SimpleRemoteSlsbInvokerInterceptor.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/validation/support/BindingAwareModelMap.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scripting/jruby/JRubyScriptFactory.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/assembler/MethodNameBasedMBeanInfoAssembler.java

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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  jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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*/opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/annotation/AdviceModeImportSelector.java
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*/opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
*/opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/context/annotation/ConfigurationClass.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/ebj/interceptor/SpringBeanAutowiringInterceptor.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
  jar/org/springframework/jmx/access/MBeanClientInterceptor.java
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jar/org/springframework/context/MessageSourceResolvable.java
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    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

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</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Martin Richards
23 February 2007

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/* zlib.h -- interface of the 'zlib' general purpose compression library */
version 1.2.11, January 15th, 2017

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    <!-- Blocked on ILAsm supporting embedding resources. See https://github.com/dotnet/coreclr/issues/20819 -->
    <IlrtTestKind>BuildOnly</IlrtTestKind>
    <!-- Test unsupported outside of windows -->
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    <!-- This test would require the runincontext.exe to include App.manifest describing the COM interfaces -->
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  </PropertyGroup>
  <ItemGroup>
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    <Compile Include="../ServerContracts/Server.CoClasses.cs" />
    <Compile Include="../ServerContracts/Server.Contracts.cs" />
    <Compile Include="../ServerContracts/ServerGuids.cs" />
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  <ItemGroup>
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    <ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard  
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes  
  Original author of sensord.
* Bob Schlaermann  
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
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  Many improvements to the libsensors configuration file scanner.
* Jean Delvare  
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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  * Period, plus, dash, slash, asterisk, percent, angled brackets,
  * square brackets, parentheses, braces, caret, vertical bar,
  * ampersand, tilde, equals, exclamation point, colon, semicolon,
  * comma, and question mark

* Special:
  * Number sign (as used in preprocessor)

* Backslash just before newline as line continuation

* White space:
  * Space, horizontal tab, vertical tab, form feed, carriage-return,
  * and line-feed.
* [GLSL Language Specification 4.30.6, section 3.1]
*
* In this file, we test each of these in turn as follows:
*
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
* Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
* 2 newline characters each replaced with a newline
*
/*
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKMLNOPQRSTUVWXYZ
_ 
0123456789
 -
 +
 -
 /
 *
 %
 <
 >
 [ ]
 ( )
 { }
 ^
 | &
 ~
 =
 !
 : :
 .
 ,
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 #
 \ 
 .
 ..
 ..
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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
  anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
  quality". Is this in compliance with your exception?

Thanks again,
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

---

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

---

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
* Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.
That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

1.1970 imap 1.4.6
1.1970.1 Available under license:

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.0.7 (GNU/Linux)
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=N/w/
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E-Mail: simone.bordet@gmail.com
Mailing Address:

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iD8DBQFFoniQJhFus9dGQRAmJmAJwL5y1lOohvVQIIcsparyvHMQuqwqCgiZFY
LBDVaadlbJv1EHy901kPcg=
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Version: GnuPG v1.4.10 (GNU/Linux)
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E-Mail: jstrachan@apache.org
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Version: GnuPG v1.4.1 (Darwin)
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8sfMxEDZqulqhVbfZU2c76U=
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Positions: Chief Operational Officer

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<th>Name</th>
<th>Date added</th>
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<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
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5hdry6ZjXRcUhQEyzFzF/T4=
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@page
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year>  <name of author>

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may
be called something other than `show w' and `show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
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When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know
that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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  jar/org/springframework/core/ErrorCoded.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
  jar/org/springframework/core/ControlFlow.java
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  jar/org/springframework/util/PropertiesPersister.java

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  jar/org/springframework/core/type/classreading/AnnotationAttributesReadingVisitor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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  jar/org/springframework/core/io/AntPathStringMatcher.java
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  jar/org/springframework/core/annotation/AnnotationAttributes.java
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  jar/org/springframework/core/io/PropertyPlaceholderHelper.java
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1.1980 mina 1.1.8-SNAPSHOPT

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as a successor of a language called ABC. Guido remains Python’s
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Mersenne Twister
----------------

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
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L. Peter Deutsch
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Independent implementation of MD5 (RFC 1321).

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2krr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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zlib

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<title>License / Copyright Information</title>
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<body>
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</html>
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---
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<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
</tbody>
</table>
Device drivers    src/mesa/drivers/*    MIT, generally

Gallium code      src/gallium/        MIT

Ext headers       include/GL/glext.h  Khronos
                  include/GL/glxext.h

GLX client code   src/glx/            SGI Free Software License B

C11 thread        include/c11/threads*.h Boost (permissive)
emulation

<p>
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</p>

/* Legal characters in GLSL are:
 *
 * Identifier characters:
 * *
 *    Letters a-z
 *    Letters A-Z
 *    Underscore
 *    Numbers 0-9
 *
 * Punctuation:
 * *
 *    Period, plus, dash, slash, asterisk, percent, angled brackets,
 *    square brackets, parentheses, braces, caret, vertical bar,
 *    ampersand, tilde, equals, exclamation point, colon, semicolon,
 *    comma, and question mark
 *
 * Special:
 * *
 *    Number sign (as used in preprocessor)
 *
 *    Backslash just before newline as line continuation
 *
 * White space:
 * *
 *    Space, horizontal tab, vertical tab, form feed, carriage-return,
 *    and line-feed.
 *
 * [GLSL Language Specificiation 4.30.6, section 3.1]
* In this file, we test each of these in turn as follows:
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
* Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
* 2 newline characters each replaced with a newline
*
*/

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
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- .. -- -- -- --
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# Authors:
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SOFTWARE.""
Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
*      Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*   Only for use in the Mesa project, this point 2 is filled by naming the
*   technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:
- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

1.1986 commons-codec 1.4

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--------------------------------------------------------------------------------
src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
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* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/resources/jspxml.dtd
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/resources/jspxml.xsd

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* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1.jar/javax/servlet/jsp/JspTagException.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1.jar/javax/servlet/jsp/tagext/TagAdapter.java
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 * /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1.jar/jsp/el/Expression.java
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* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/TagExtraInfo.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/JspFactory.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/SimpleTag.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/Tag.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/TagFileInfo.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/TryCatchFinally.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/JspTag.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/TagSupport.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/DynamicAttributes.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/TagLibraryValidator.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/HttpJspPage.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/JspException.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/SimpleTagSupport.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/tagext/PageData.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/JspEngineInfo.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/el/ImplicitObjectELResolver.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/el/ELParseException.java
* /opt/cola/permits/1137195104_1614028758.59/0/tomcat-jsp-api-8-0-43-sources-1-jar/javax/servlet/jsp/el/FunctionMapper.java

1.1988 jackson-xc 2.12.0

1.1988.1 Available under license:

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1) JSR166,
2) package dl.util.concurrent,
3) Doug Lea’s “collections” package.

```xml
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "DTD/xhtml1-transitional.dtd">
<html><head><title>Creative Commons Public Domain</title></head>
<body>
<p align="center"><em>Copyright-Only Dedication (based on United States law) or Public Domain Certification</em></p>
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1.1991 pango 1.42.4-4.el7_8
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1.1993 icu 50.1.2-17.el7

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(DYNNOMICCPPFLAGS) $(DYNNOMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNNOMICCPPFLAGS) $(DYNNOMICCXXFLAGS) -o $@ $<

## Dependency rules
%..d: $(srcdir)/%.c
@echo "generating dependency information for $<"
$(SHELL) -ec '$(GEN_DEPS.c) $< \\
  | sed "\(\$\(\^[^\$]\)\)/,of :[^\$^\n]o \$@ : ./^$\n\n\n| -s $@ ] || rm -f $@'

%..d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
$(SHELL) -ec '$(GEN_DEPS.cc) $< \\
  | sed "\(\$\(\^[^\$]\)\)/,of :[^\$^\n]o \$@ : ./^$\n\n\n| -s $@ ] || rm -f $@'
## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$<F> && ln -s {$<F>} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$<F> && ln -s {$<F>} $@

## End FreeBSD-specific setup

### 1.1994 free-type 2.8-12.el7

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#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
crc/base/md5.c
crc/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
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1.1997 tomcat-annotations-api 8.0.43

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1.2000 activemq-spring 5.7.0

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1.2006 e2fsprogs 1.42.9-10.el7
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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That's all there is to it!
#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
  @echo "MKDIR pic"
  @mkdir -p pic

  BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
  BSDLIB_PIC_FLAG = -fpic
image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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  jar/org/apache/commons/collections/BufferUnderflowException.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/collections/Buffer.java

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  jar/org/apache/commons/beanutils/LazyDynaClass.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/beanutils/LazyDynaMap.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/beanutils/LazyDynaBean.java

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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2-
  jar/org/apache/commons/collections/ArrayStack.java

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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/converters/AbstractArrayConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/converters/DoubleConverter.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/locale/converters/LongLocaleConverter.java
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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/ContextClassLoaderLocal.java
* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/locale/converters/SqlTimeLocaleConverter.java
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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/converters/BigIntegerConverter.java
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* /opt/cola/permits/1135953050_1613641297.88/0/commons-beanutils-1-7-0-sources-2.jar/org/apache/commons/beanutils/locale/converters/CharacterConverter.java
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1.2010 feign-core 8.15.1

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jar/feign/SynchronousMethodHandler.java
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* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/auth/BasicAuthRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/RetryableException.java
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* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/RequestTemplate.java
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Gadi Oxman, August 1995

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parse.c --- UUID parsing

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  jar/org/apache/commons/discovery/tools/ManagedProperties.java

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/*
 * $Header: /home/cvs/jakarta-commons/logging/src/java/org/apache/commons/logging/impl/SimpleLog.java,v 1.4
2002/06/15 20:54:48 craigmcc Exp $
 * $Revision: 1.4 $
 * $Date: 2002/06/15 20:54:48 $
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jar/org/apache/commons/discovery/log/SimpleLog.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/log/DiscoveryLogFactory.java

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  jar/org/apache/commons/discovery/jdk/JDK12Hooks.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/tools/PropertiesHolder.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/tools/DiscoverClass.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
  jar/org/apache/commons/discovery/tools/ClassUtils.java
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* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/resource/names/DiscoverNamesInDictionary.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/resource/names/DiscoverNamesInAlternateManagedProperties.java
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/cui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a982da308228d796df35f9d787c5cffe2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>
* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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1.2034 slf4j-simple 1.7.24

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* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-jar/org/slf4j/impl/SimpleLoggerFactory.java
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*/opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-
jar/org/slf4j/impl/SimpleLogger.java

1.2035 classworlds-boot 1.0

1.2035.1 Available under license :

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/package.html
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**/}
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])} version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This parameter also indicates if the method is synthetic and/or deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see { @link Type#getInternalName()} getInternalName()). May be <tt>null</tt>.
* @throws IllegalStateException
  *             If a subclass calls this constructor.
  */

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/*
 * Creates a new @link GeneratorAdapter@. <i>Subclasses must not use this constructor</i>. Instead, they must use the @link #GeneratorAdapter(int, MethodVisitor, int, String, String)@ version.
 * @param mv the method visitor to which this adapter delegates calls.
 * @param access the method's access flags (see @link Opcodes@).
 * @param name the method's name.
 * @param desc the method's descriptor (see @link Type Type@).
 * @throws IllegalStateException If a subclass calls this constructor.
 */

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*/
/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this constructor</i>. Instead, they must use the [@link #Textifier(int)] version.
 * @throws IllegalStateException
 * @throws IllegalStateException
 *      If a subclass calls this constructor.
 */

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Constructs a new [link ClassNode]. <i>Subclasses must not use this constructor</i>. Instead, they must use the [link #ClassNode(int)] version.

@throws IllegalStateException If a subclass calls this constructor.

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/**
* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
* not use this constructor</i>. Instead, they must use the
* [{@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
* version.
* *
* @param typeRef
* a reference to the annotated type. See [{@link TypeReference}].
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
* the fist instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/Attribute.java
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/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
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 * [AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 *   the owner's class name.
 * @param access
 *   the method's access flags (see [Opcodes]).
 * @param name
 *   the method's name.
 * @param desc
 *   the method's descriptor (see [Type]).
 * @param mv
 *   the method visitor to which this adapter delegates calls. May
 *   be <tt>null</tt>.
* @throws IllegalStateException
*         If a subclass calls this constructor.
*/

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  gz/Distrotech-tftp-hpa-f603e8d/tftpd/misc.c
* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-targ-
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* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-targ-
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1.2055 cassandra-driver-core 2.0.9.2
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1.2057 apache-log4j 2.13.3

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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/xml/SAXClassAdapter.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/TableSwitchInsnNode.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/util/ASMifierCodeVisitor.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/TreeCodeAdapter.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/CodeWriter.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src.zip/org/objectweb/asm/tree/ClassReader.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src.zip/org/objectweb/asm/tree/try/Label.java
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- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/attrs/SourceDebugExtensionAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/util/attrs/ASMSignatureAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/util/attrs/ASMStackMapAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/util/attrs/ASMRuntimeVisibleAnnotations.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/util/attrs/ASMRuntimeInvisibleParameterAnnotations.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/util/attrs/ASMLocalVariableTypeTableAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/attrs/Attributes.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/attrs/EnclosingMethodAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/attrs/ASMSourceDebugExtensionAttribute.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src- zip/org/objectweb/asm/attrs/LocalVariableType.java
- /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-
1.2059 dropwizard-servlets 1.3.23

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1.2060 bash 4.2.46 28.el7

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Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com with SMTP (8.6.10+cwru/CWRU-2.3)
Message-Id: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi.  I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0.  Thanks.

Sure.  I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz.  There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away.  :-)

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
    "ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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That's great!

Go ahead and circulate it; in fact, we should probably grab it and
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1.2061 ldns 1.6.16 10.el7
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1.2066 metrics-core 3.0.2

1.2067 libSDL 1.2.15-16.el7
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October 28, 1997
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Sam Lantinga(slouken@libsdl.org)
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1.2069 commons-codec 1.12

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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*******************
History and License
*******************

History of the software
=-=-=-=-=-=-=-=-=-=-=-=-=-

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston,
Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see
http://www.python.org/psf/) was formed, a non-profit organization created
specifically to own Python-related Intellectual Property. Zope Corporation is a
sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org/ for the Open
Source Definition). Historically, most, but not all, Python releases have also
been GPL-compatible; the table below summarizes the various releases.

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Mersenne Twister
-----------------

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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Floating point exception control
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The source for the :mod:`fpectl` module includes the following notice::<snip>
The source code for the :mod:`md5` module contains the following notice:

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include
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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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Cookie management
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The :mod:`trace` module contains the following notice::

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UUencode and UUdecode functions
---------------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

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---------

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-----------

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strtod and dtoa
------------

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-------

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libffi
-----

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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jar/org/slf4j/impl/JDK14LoggerAdapter.java
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jar/org/slf4j/impl/StaticMarkerBinder.java

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* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/tracing/TracedBidiCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ClientStreamReadyObserver.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/batching/BlockingSemaphore.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ServerStreamingAttemptCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/AttemptCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ClientStreamReadyObserver.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/batching/BlockingSemaphore.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ServerStreamingCallSettingsTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/tracing/TraceFinisher.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/BidiStreamObserver.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/WatchdogTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/tracing/TracedUnaryCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/StateCheckingResponseObserver.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/tracing/ApiTracer.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/WatchdogProvider.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/FixedWatchdogProviderTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/batching/NonBlockingSemaphore.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/RetryingContext.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/RetryingExecutorWithContext.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/WatchdogServerStreamingCallable.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ServerStreamingAttemptCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/AttemptCallableTest.java
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* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/rpc/StubSettings.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/tracing/TracedUnaryCallable.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/tracing/NoopApiTracer.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/tracing/TraceFinisherTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/rpc/UnaryCallSettingsTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1.56.0-sources-jar/com/google/api/gax/rpc/UnaryCallable.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/InternalException.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/RetryingFuture.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/TimedAttemptSettings.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/SpoolingCallable.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/ExponentialPollAlgorithm.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ApiClientHeaderProviderTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/ScheduledRetryingExecutorTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/lrc/OperationResponsePollAlgorithm.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/LatchCountDownScheduler.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/BatchTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/testing/FakeCallContext.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/NoHeaderProvider.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/PagingTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/UnauthenticatedException.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/testing/FakeClientSettings.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/AuthCallableTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/DeadlineExceededException.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/ResponseObserver.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/testing/FakeCallableFactory.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/rpc/RequestParamsEncoder.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/DirectRetryingExecutorTest.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/retrying/BasicResultRetryAlgorithm.java
* /opt/ws_local/PERMITS_SQL/1080563387_1597629977.96/0/gax-1-56-0-sources-jar/com/google/api/gax/paging/PagesTest.java
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* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/com/google/api/gax/batching/Semaphore64Test.java
jar/org/eclipse/jetty/server/BlockingHttpConnection.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/MovedContextHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/HotSwapHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/UserIdentity.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/ErrorLogHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/AsyncHttpConnection.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/HttpWriter.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/HandlerContainer.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/RequestLogHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/ssl/SslConnector.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/nio/AbstractNIOConnector.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/DefaultHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/session/AbstractSessionManager.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/bio/SocketConnector.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/NCSAResultLog.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/Dispatcher.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/AsyncContinuation.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/session/SessionHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/SessionManager.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/nio/SelectChannelConnector.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/StatisticsHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/RequestHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/session/SessionHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/SessionManager.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources.jar/org/eclipse/jetty/server/handler/StatisticsHande
jar/org/eclipse/jetty/server/handler/DebugHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/HttpInput.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/nio/NetworkTrafficSelectChannelConnector.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/JDBCSessionManager.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/RequestLog.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/ScopedHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/HandlerList.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/InclusiveByteRange.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/AbstractSessionIdManager.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/HandlerWrapper.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/ProxyHandler.java
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-
jar/org/eclipse/jetty/server/session/jmx/AbstractSessionManagerMBean.java

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* @return The port to use when redirecting a request if a data constraint of confidential is required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
*/
/**
* @return The schema to use when redirecting a request if a data constraint of confidential is required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
*/
/**
* @param request A request
* @return true if the request is confidential. This normally means the https schema has been used.
*/

Found in path(s):
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-jar/org/eclipse/jetty/server/Connector.java
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/**
* By default, we're confidential, given we speak SSL. But, if we've been
told about a confidential port, and said port is not our port, then
we're not. This allows separation of listeners providing INTEGRAL versus
CONFIDENTIAL constraints, such as one SSL listener configured to require
client certs providing CONFIDENTIAL, whereas another SSL listener not
requiring client certs providing mere INTEGRAL constraints.
*/

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/**
* @see org.eclipse.jetty.server.Connector#getConfidentialPort()
*/
/**
* @see org.eclipse.jetty.server.Connector#getConfidentialScheme()
/*
* @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
*/

/*
* @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
*/

/**
* @param confidentialPort
*            The confidentialPort to set.
*/

/**
* @param confidentialScheme
*            The confidentialScheme to set.
*/

Found in path(s):
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-jar/org/eclipse/jetty/server/AbstractConnector.java
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Connector: HTTP Connector.
server: MObject:RO:The server for this connector
requestHeaderSize: The size of a request header buffer
requestBufferSize: The size of a request content buffer
responseHeaderSize: The size of a response header buffer
responseBufferSize: The size of a response content buffer
integralPort: Port to use for integral redirections
integralScheme: Scheme to use for integral redirections
confidentialPort: Port to use for confidential redirections
confidentialScheme: Scheme to use for confidential redirections
host: Host name to accept connections on
port: TCP/IP port to accept connections on
maxIdleTime: Maximum time in ms that a connection can be idle before being closed
statsOn: True if statistics collection is turned on.
statsOnMs: Time in milliseconds stats have been collected for.
statsReset(): Reset statistics.
connections: Number of connections accepted by the server since statsReset() called. Undefined if setStatsOn(false).
connectionsOpen: Number of connections currently open that were opened since statsReset() called. Undefined if setStatsOn(false).
connectionsOpenMax: Maximum number of connections opened simultaneously since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMean: Mean duration in milliseconds of open connections since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationStdDev: Standard deviation of duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMax: Maximum duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationTotal: Total duration in milliseconds of all open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMean: Mean number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsStdDev: Standard deviation of number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMax: Maximum number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
requests: Number of requests since statsReset() called. Undefined if setStatsOn(false).
open(): Open the listening port
close(): Close the listening port (but allow existing connections to continue for graceful shutdown)

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* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-jar/org/eclipse/jetty/server/jmx/Connector-mbean.properties
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been told about an
 * confidential port, and said port is not our port, then we're not. This allows separation of
 * listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
 * configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */
/**
 * By default, we're integral, given we speak SSL. But, if we've been told about an integral
 * port, and said port is not our port, then we're not. This allows separation of listeners
 * providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
 * require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
 * client certs providing mere INTEGRAL constraints.
 */

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* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-jar/about.html
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/**
 * Find out if the request supports CONFIDENTIAL security.
 * @param request the incoming HTTP request
 * @return the result of calling { @link Connector#isConfidential(Request) }, or false
 * if there is no connector
 */

AbstractConnector: Abstract implementation of the Connector interface.
acceptors: The number of acceptor threads.
acceptQueueSize: The size of the accept queue.
acceptorPriorityOffset: Priority offset of the acceptor threads. The priority is adjusted by this amount to either favor the acceptance of new threads and newly active connections or to favor the handling of already dispatched connections.
forwardedForHeader: The header name for forwarded for (default x-forwarded-for).
forwardedHostHeader: The header name for forwarded hosts (default x-forwarded-host)
forwardedServerHeader: The header name for forwarded server (default x-forwarded-server)
forwarded: Whether reverse proxy handling is on. True if this connector is checking the forwarded for/host/server headers.
host: Host name of the server.
hostHeader: Forced value for the host header. Only used if forwarded is true.
soLingerTime: Enable or disable SO_LINGER with the specified linger time in seconds.
reuseAddress: Whether the server socket will be opened in SO_REUSEADDR mode.
name: Name of the connector.
resolveNames: Whether or not to use DNS when handling forwards.
confidentialPort: Port to use for confidential redirections.
confidentialScheme: Scheme to use for confidential redirections.
integralPort: Port to use for integral redirections.
integralScheme: Scheme to use for integral redirections.
lowResourcesMaxIdleTime: The period in ms that a connection may be idle when the connector has low resources, before it is closed.

Found in path(s):
* /opt/cola/permits/1125786288_1612763905.88/0/jetty-server-8-1-10-v20130312-sources-jar/org/eclipse/jetty/server/jmx/AbstractConnector-mbean.properties

1.2084 quota 4.01 17.el7

1.2085 jdom 1.1.1

1.2086 dual-rpc 2.1.0

1.2086.1 Available under license :

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1.2087 addressing 1.5.2

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/nativejdbc/SimpleNativeJdbcExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/SimpleConnectionHandle.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/SimpleJdbcInsertOperations.java
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 */

/*
 * LobHandler implementation for Oracle databases. Uses proprietary API
 * to create <code>oracle.sql.BLOB</code> and <code>oracle.sql.CLOB</code>
 * instances, as necessary when working with Oracle's JDBC driver.
 * Note that this LobHandler requires Oracle JDBC driver 9i or higher!
 *
 * While most databases are able to work with DefaultLobHandler, Oracle just accepts Blob/Clob instances created via its own proprietary
 * BLOB/CLOB API, and additionally doesn't accept large streams for
 * PreparedStatement's corresponding setter methods. Therefore, you need
 * to use a strategy like this LobHandler implementation.
 */
Needs to work on a native JDBC Connection, to be able to cast it to oracle.jdbc.OracleConnection. If you pass in Connections from a connection pool (the usual case in a J2EE environment), you need to set an appropriate \{@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor\} to allow for automatic retrieval of the underlying native JDBC Connection.

LobHandler and NativeJdbcExtractor are separate concerns, therefore they are represented by separate strategy interfaces.

Coded via reflection to avoid dependencies on Oracle classes. Even reads in Oracle constants via reflection because of different Oracle drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!

As this LobHandler initializes Oracle classes on instantiation, do not define this as eager-initializing singleton if you do not want to depend on the Oracle JAR being in the class path: use "lazy-init=true" to avoid this issue.

Coded via reflection to avoid dependencies on Oracle classes. Even reads in Oracle constants via reflection because of different Oracle drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!

As this LobHandler initializes Oracle classes on instantiation, do not define this as eager-initializing singleton if you do not want to depend on the Oracle JAR being in the class path: use "lazy-init=true" to avoid this issue.

@since 04.12.2003
@see #setNativeJdbcExtractor
@see oracle.sql.BLOB
@see oracle.sql.CLOB
*/

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*/
/**
Abstraction for handling large binary fields and large text fields in
specific databases, no matter if represented as simple types or Large OBjects.
Its main purpose is to isolate Oracle's peculiar handling of LOBs in
* [@link OracleLobHandler]; most other databases should be able to work with the provided [@link DefaultLobHandler].
* <p>Provides accessor methods for BLOBs and CLOBs, and acts as factory for LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
* LobCreators are typically instantiated for each statement execution or for each transaction; they are not thread-safe because they might track allocated database resources in order to free them after execution.
* <p>Most databases/drivers should be able to work with [@link DefaultLobHandler], which by default delegates to JDBC's direct accessor methods, avoiding the <code>java.sql.Blob</code> and <code>java.sql.Clob</code> API completely.
* [@link DefaultLobHandler] can also be configured to access LOBs using <code>PreparedStatement.setBlob/setClob</code> (e.g. for PostgreSQL), through setting the [@link DefaultLobHandler#setWrapAsLob "wrapAsLob"] property.
* <p>Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own proprietary BLOB/CLOB API, and additionally doesn't accept large streams for PreparedStatement's corresponding setter methods. Therefore, you need to use [@link OracleLobHandler] there, which uses Oracle's BLOB/CLOB API for both types of access. The Oracle 10g JDBC driver should basically work with [@link DefaultLobHandler] as well, with some limitations in terms of LOB sizes.
* <p>Of course, you need to declare different field types for each database.
* In Oracle, any binary content needs to go into a BLOB, and all character content beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete portability, use a LobHandler for fields that might typically require LOBs on some database because of the field size (take Oracle's numbers as a guideline).
* <p>Summarizing the recommended options (for actual LOB fields):</p>
* <ul><li>JDBC 4.0 driver: [@link DefaultLobHandler] with <code>streamAsLob=true</code>.</li><li>PostgreSQL: [@link DefaultLobHandler] with <code>wrapAsLob=true</code>.</li><li>Oracle 9i/10g: [@link OracleLobHandler] with a connection-pool-specific <code>NativeJdbcExtractor</code>.</li><li>For all other database drivers (and for non-LOB fields that might potentially turn into LOBs on some databases): a plain [@link DefaultLobHandler].</li></ul>
* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSet#getString
* @see java.sql.ResultSet#getAsciiStream
* @see java.sql.ResultSet#getCharacterStream
*/

Found in path(s):
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/support/lob/LobHandler.java
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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
* @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
* Create a Map of input parameters, keyed by name.
* @param con JDBC connection. This is useful (and the purpose of this interface)
* if we need to do something RDBMS-specific with a proprietary Connection
* implementation class. This class conceals such proprietary details. However,
* it is best to avoid using such proprietary RDBMS features if possible.
* @throws SQLException if a SQLException is encountered setting
* parameter values (that is, there's no need to catch SQLException)
* @return Map of input parameters, keyed by name (never <code>null</code>)
*/

Found in path(s):
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/core/ParameterMapper.java

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*/opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/object/BatchSqlUpdate.java

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 */

/**
 * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
 * Will not need to do anything if using PreparedStatement's standard methods,
 * but might be necessary to free database resources if using proprietary means.
 * <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
 * been executed or the affected O/R mapping sessions have been flushed.
 * Otherwise, the database resources for the temporary BLOBs might stay allocated.
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jar/org/springframework/jdbc/core/RowCountCallbackHandler.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/object/GenericStoredProcedure.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/object/GenericSqlQuery.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/DatabaseMetaDataCallback.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/SqlProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/CallableStatementCreator.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/PreparedStatementCreator.java

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Strategy interface for translating between SQLExceptions
and Spring's data access strategy-agnostic (DataAccessException)
hierarchy.

Implementations can be generic (for example, using
{sqlException#SQL} codes for JDBC) or wholly
proprietary (for example, using Oracle error codes) for greater precision.
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/AbstractJdbcCall.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/AbstractRoutingDataSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/IsolationLevelDataSourceRouter.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/embedded/OutputStreamFactory.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/SimpleJdbcTemplate.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/lob/DefaultLobHandler.java
jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseConfigurerFactory.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/SimpleJdbcTemplate.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/init/CannotReadScriptException.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/init/DataSourceInitializer.java
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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/BeanPropertySqlParameterSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/lob/PassThroughBlob.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/incrementer/DB2MainframeSequenceMaxValueIncrementer.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/AbstractDataSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/xml/SqlXmlHandler.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/BeanPropertySqlParameterSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/lob/PassThroughBlob.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/NamedParameterUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/incrementer/DB2MainframeSequenceMaxValueIncrementer.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/InvalidResultSetAccessException.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/BatchUpdateUtils.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/SQLExceptionSubclassTranslator.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/datasource/lookup/MapDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/lob/PassThroughClob.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/IncorrectResultSetColumnCountException.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/xml/SqlXmlValue.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/xml/SqlXmlObjectMappingHandler.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/datasource/IsolationLevelDataSourceAdapter.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/support/DatabaseStartupValidator.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/support/JdbcUtils.java
* /opt/cola/permits/1136489748_1613774365.1.0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/nativejdbc/AbstractSequenceMaxValueIncrementer.java
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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/SqLiteExceptionTranslator.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/XMLResultProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/PreparedStatementCallback.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/PreparedStatementCreatorFactory.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/namedparam/ParsedSql.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/namedparam/GeneratedKeyHolder.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/core/ResultSetExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/nativejdbc/WebLogicNativeJdbcExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/nativejdbc/JBossNativeJdbcExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/datasource/WebSphereDataSourceAdapter.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/support/AbstractFallbackSQLExceptionTranslator.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/object/SqlFunction.java
The classes in this package make JDBC easier to use and reduce the likelihood of common errors. In particular, they:

- Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
- Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
- Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.

This package and related packages are discussed in Chapter 9 of Expert One-On-One J2EE Design and Development by Rod Johnson (Wrox, 2002).

Found in path(s):
- /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2.jar/org/springframework/jdbc/package-info.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/LobRetrievalFailureException.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/support/lob/AbstractLobHandler.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSetMetaData.java

1.2089 hibernate-annotations 3.4.0.GA

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------------
.
. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

The complete snprintf package together with documentation is available from

  http://www.ijs.si/software/snprintf/  .

. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

    src/preproc/grn/gprint.h
    src/preproc/grn/hdb.cpp
    src/preproc/grn/hgraph.cpp
    src/preproc/grn/hpoint.cpp
    src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11’s `xditview' program and thus has the X license.

    src/devices/xditview/DESC.in
    src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

---

Macro Packages
--------------

- The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
  tmac/doc-old.tmac
  tmac/doc-common
  tmac/doc-ditroff
  tmac/doc-nroff
  tmac/doc-syms
  tmac/groff_mdoc.man

- The -me macro set, using the BSD license.
Hyphenation Patterns

-------------------

- The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at
  
  ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

  It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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- The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at
  
  http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex

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- The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at
  
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- The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at
  
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The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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ispell-local-pdict: "ispell-dict"
End:
AUTHOR

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1.2093 dmraid 1.0.0.rc16 26.el7

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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/target/HotSwapableTargetSource.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java

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jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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```

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@c Set file name and title for man page.
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```
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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
Table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
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themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
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on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
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License instead of this License to a given copy of the Library. To do
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that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
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that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work
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      facilities. This must be distributed under the terms of the
      Sections above.

   b) Give prominent notice with the combined library of the fact
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Preamble

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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(last updated $Date: 2002/01/31 23:13:42 $)

1.2107 jackson-dataformat-yaml 2.9.8
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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The "source code" for a work means the preferred form of the work
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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a
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1.2119 tcsh 6.18.01-15.el7

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People who have contributed to tcsh for win32 with bugfixes, functionality,
and other useful pieces of code. If I’ve left you out, please let me know!

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*/
/*
* config.h -- configure various defines for tcsh
*
* All source files should #include this FIRST.
*
* Edit this to match your system type.
*/

#ifndef _h_config
#define _h_config

/****************** System dependant compilation flags ******************/

/* POSIX
This system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

/* POSIXJOBS
This system supports the optional IEEE Std 1003.1-1988 (POSIX)
*job control facilities.
*/
#undef POSIXJOBS

/* VFORK
This machine has a vfork().
*It used to be that for job control to work, this define
*was mandatory. This is not the case any more.
If you think you still need it, but you don't have vfork,
define this anyway and then do #define vfork fork.
I do this anyway on a Sun because of yellow pages brain damage,
[should not be needed under 4.1]
and on the iris4d cause SGI's fork is sufficiently "virtual"
that vfork isn't necessary. (Besides, SGI's vfork is weird).
Note that some machines eg. rs6000 have a vfork, but not
with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK
/

*/
* BSDJOBS You have BSD-style job control (both process groups and
*a tty that deals correctly
*/
define BSDJOBS
/

*/
* BSDTIMES You have BSD-style process time stuff (like rusage)
* This may or may not be true. For example, Apple Unix
*(OREO) has BSDJOBS but not BSDTIMES.
*/
define BSDTIMES
/

*/
* BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
*/
define BSDLIMIT
/

*/
* TERMIO You have struct termio instead of struct sgttyb.
* This is usually the case for SYSV systems, where
* BSD uses sgttyb. POSIX systems should define this
* anyway, even though they use struct termios.
*/
#undef TERMIO
/

*/
* SYSVREL Your machine is SYSV based (HPUX, A/UX)
* NOTE: don't do this if you are on a Pyramid -- tcsh is
* built in a BSD universe.
* Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
* you are running. Or set it to 0 if you are not SYSV based
*/
define SYSVREL0
/

*/
* YPBUGS Work around Sun YP bugs that cause expansion of ~username
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* /opt/ws_local/PERMITS_SQL/1068304038_1597130173.24/0/spring-security-web-3-0-3-release-sources-2-jar/org/springframework/security/web/util/UrlUtils.java

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1.2127 xsdlib 2013.6.1

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

    Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/u/c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cfeb2bb5b6.

    Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

    Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.
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1.2135 gdb 7.6.1 100.el7

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#! /usr/bin/env python

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#
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This script updates the list of years in the copyright notices in
most files maintained by the GDB project.

Usage: cd src/gdb & & python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:
  % filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.

import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in EXCLUDE_GDB_LIST
                ):
or reldirname in NOT_FSF_LIST
or reldirname in BY_HAND):
    # Prune this directory from our search list.
    dirs.remove(dirname)
for filename in files:
    relpath = "%s/%s" % (root, filename)
    if (filename in EXCLUDE_ALL_LIST
        or relpath in EXCLUDE_LIST
        or relpath in NOT_FSF_LIST
        or relpath in BY_HAND):
        # Ignore this file.
        pass
    else:
        result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib’s update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK’ed by the FSF, case [gnu.org #719834]).
    os.environ[‘UPDATE_COPYRIGHT_USE_INTERVALS’] = ‘2’

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
             stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)
for line in update_out:
    if line.endswith('
'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
    if may_have_copyright_notice(filename):
        print line
    else:
        # Unrecognized file format. !?!
        print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice."

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
    directory.

    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
        root_dir = os.path.dirname(os.getcwd())
        os.chdir(root_dir)
update_list = get_update_list()
update_files (update_list)

# Remind the user that some files need to be updated by HAND...
if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand.\033[0m"
    for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
        print "  ", filename

############################################################################
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/CONTRIBUTE',
    'gdb/gnulib'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = (  
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = (  
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)
# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.

MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",  
    "gdb/doc/refcard.tex",  
    "gdb/gdbarch.sh",  
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.

NOT_FSF_LIST = (  
    "gdb/exc_request.defs",  
    "gdb/gdbtk",  
    "gdb/testsuite/gdb.gdbtk/",  
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",  
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",  
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",  
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",  
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",  
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",  
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",  
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",  
    "sim/arm/arminit.c",  
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",  
    "sim/common/cgen-acccfp.c",  
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",  
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",  
    "sim/erc32/exec.c",  
    "sim/mips/m16run.c", "sim/mips/sim-main.c",  
    "sim/moxie/moxie-gdb.dts",  
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.  
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",  
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",  
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",  
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",  
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",  
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",  
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",  
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",  
    "sim/ppc/options.h", "sim/ppc/decode.c", "sim/ppc/filter.c",  
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",  
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",  
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",  
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",  
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",  
    "sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",  
)
if __name__ == '__main__':
    main()

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if specified

c Set file name and title for man page.

setfilename gpl

settitle GNU General Public License

c man begin SEEALSO

gfdl(7), fsf-funding(7).

c man end

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c Hence no sectioning command or @node.

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@example
@var{program} Copyright (C) @var{year} @var{name of author}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
@end example
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample

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If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- Distribute the object code for the work under the terms of Section 6.
- Include a copy of this License with the work.
- Give prominent notices to users that they mayuo distribute the object code for the work under terms equivalent to Section 6, and provide prominent notices with the work indicating where the copy of this License can be found. These notices shall include a reference to the copyright notice in the Library. However, these requirements do not apply if you sell the execution product as a physical or electronic bit stream. In such a case, the Licensor may make the Library available under a different set of terms.

@enumerate a
@item
Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@item
Use a suitable shared library mechanism for linking with the Library. A
suitable mechanism is one that (1) uses at run time a copy of the
library already present on the user's computer system, rather than
copying library functions into the executable, and (2) will operate
properly with a modified version of the library, if the user installs
one, as long as the modified version is interface-compatible with the
version that the work was made with.

@item
Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

@item
If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the
executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

@item
You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

@enumerate
@item
Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

@item
Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
@end enumerate

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the `copyright` line and a pointer to where the full notice is found.

```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}

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You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end smallexample
```

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer'' for the library, if necessary. Here is a sample; alter the names:
That's all there is to it!

BEGIN{
    FS="";
    print "/* ==> Do not modify this file!!  \
    -*- buffer-read-only: t -*- vi */\n    :set ro:";
    print "   It is created automatically by copying.awk.";

    //
    print "" #include "defs.h"
    print "" #include "command.h"
    print "" #include "gdbcmd.h"
    print ""
    print "static void show_copying_command (char *, int);";
    print ""
    print "static void show_warranty_command (char *, int);";
    print ""
    print "void _initialize_copying (void);";
    print ""
    print "static void";
    print "show_copying_command (char *ignore, int from_tty);"
    print "{";
}
NR == 1;/^[ ]*15\. Disclaimer of Warranty\[ ]*$/
if ($0 ~ //)
{
    printf " printf_filtered ("\n\n";
}
else if ($0 !~ /^[ ]*15\. Disclaimer of Warranty\[ ]*$/)  
{
    printf " printf_filtered (""
    for (i = 1; i < NF; i++)
    printf "%s\\"", $i;
    printf "%s\n\\n"", $NF;
    }
}

/*[ ]*15\. Disclaimer of Warranty\[ ]*$/{
    printf "}"
    print ""
    print "static void";
print "show_warranty_command (char *ignore, int from_tty)";
print "{"
}

END

print "}");
print "";
print "void"
print "Initialize_copying (void)";
print "{"

print " add_cmd ("copying", no_set_class, show_copying_command,"
print " ("Conditions for redistributing copies of GDB.");
print " &showlist);"

print " add_cmd ("warranty", no_set_class, show_warranty_command,"
print " ("Various kinds of warranty you do not have."));
print " &showlist);"

print " /* For old-timers, allow "info copying", etc. */";
print " add_info ("copying", show_copying_command,";
print " ("Conditions for redistributing copies of GDB.");"
print " add_info ("warranty", show_warranty_command,";
print " ("Various kinds of warranty you do not have.");"
print " })";

1.2136 glib-networking 2.50.0 1.el7
1.2136.1 Available under license :

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's
free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a “work based on the library” and a “work that uses the library”. The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

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Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
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where to find the accompanying uncombined form of the same work.

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* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/handler/FilterMapping.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpTokens.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/webapp/TagLibConfiguration.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/io/bio/SocketEndPoint.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/io/EndPoint.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/Main.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/webapp/Configuration.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/deployer/ContextDeployer.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpOnlyCookie.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpContent.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/io/View.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/RequestLog.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/servlet/Context.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/deployer/WebAppDeployer.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/security/ConstraintMapping.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpOnlyCookie.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/security/HTAccessHandler.java

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Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/security/HTAccessHandler.java

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/*
 * @(#)UnixCrypt.java 0.9 96/11/25
 *
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 * all copies.
 */
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//distributed under the License is distributed on an "AS IS" BASIS,
/**
 * @return The result of calling [@link getConnector].[@link Connector#isConfidential(Request)
isConfidential](request), or false
 * if there is no connector.
 */

Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
jar/org/mortbay/jetty/HttpConnection.java

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/**
 * @param c Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL & 2=DC_CONFIDENTIAL
 */
/**
 * @return Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL & 2=DC_CONFIDENTIAL
 */

Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
jar/org/mortbay/jetty/security/Constraint.java

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/**
 * @see org.mortbay.jetty.Connector#getConfidentialPort()
 */
/*
* @see org.mortbay.jetty.Connector#getConfidentialScheme()
*/

*/

* @see org.mortbay.jetty.Connector#isConfidential(org.mortbay.jetty.Request)
*/

/**
* @param confidentialPort The confidentialPort to set.
*/

/**
* @param confidentialScheme The confidentialScheme to set.
*/

Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
jar/org/mortbay/jetty/AbstractConnector.java
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/**
* By default, we're confidential, given we speak SSL. But, if we've been told about an
* confidential port, and said port is not our port, then we're not. This allows separation of
* listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
* configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
* requiring client certs providing mere INTEGRAL constraints.
*/

/**
* By default, we're integral, given we speak SSL. But, if we've been told about an integral
* port, and said port is not our port, then we're not. This allows separation of listeners
* providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
* require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
* client certs providing mere INTEGRAL constraints.
*/

Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
jar/org/mortbay/jetty/security/SslSocketConnector.java
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Found in path(s):
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/servlet/AbstractSessionManager.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/Credential.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/handler/DefaultHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/ClientCertAuthenticator.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/DigestAuthenticator.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/Password.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/SecurityHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/bio/SocketConnector.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/nio/BlockingChannelConnector.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/PKCS12Import.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/handler/ErrorHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/HashSSORealm.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/session/SessionManager.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/io/ByteArrayBuffer.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/webapp/WebAppClassLoader.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/resource/JarResource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/webapp/XmlConfiguration.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/handler/ResourceHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/HttpSchemes.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/B64Code.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/servlet/Holder.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/Authenticator.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/io/Buffer.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/ServletSSL.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/xml/XmlConfiguration.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/ClientCertAuthenticator.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/DigestAuthenticator.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/Password.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/SecurityHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/bio/SocketConnector.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/nio/BlockingChannelConnector.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/PKCS12Import.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/handler/ErrorHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/security/HashSSORealm.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/jetty/session/SessionManager.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/io/ByteArrayBuffer.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/webapp/WebAppClassLoader.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/resource/JarResource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-
  jar/org/mortbay/webapp/XmlConfiguration.java
jar/org/mortbay/jetty/security/HashUserRealm.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/resource/FileResource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/InclusiveByteRange.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/webapp/WebInfConfiguration.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/resource/Resource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/xml/XmlParser.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/io/Portable.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/http/PathMap.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/servlet/HashSessionManager.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/ResourceCache.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/MimeTypes.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/resource/URLResource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpHeaders.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/io/DataSource.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/HttpMethods.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/servlet/ErrorPageErrorHandler.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/nio/SelectChannelConnector.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/servlet/ServletHolder.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/security/UserRealm.java
* /opt/cola/permits/1135319741_1613496931.76/0/jetty-6-1-10-sources-1-jar/org/mortbay/jetty/security/BasicAuthenticator.java
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/**
* @return The port to use when redirecting a request if a data constraint of confidential is
* required. See { @link org.mortbay.jetty.security.Constraint#getDataConstraint() }
*/
/**
* @return The schema to use when redirecting a request if a data constraint of confidential is
* required. See { @link org.mortbay.jetty.security.Constraint#getDataConstraint() }
*/
/**
* @param request A request
* @return true if the request is confidential. This normally means the https schema has been used.
*/

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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1.2148 tar 1.26-35.el7

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<one line to give the program’s name and a brief idea of what it does.>
1.2162 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for
(zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
*/

1.2163 tomcat-storeconfig 9.0.37

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1.2164 libnfsidmap 0.25 19.el7

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1.2165 tar 1.26 35.el7

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--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell              2005
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+ Copyright (C) Jeremy Allison               2000-2006
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 ** library. This does NOT imply that all of Samba is released
 This package was added to the e2fsprogs debian source package by
 Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

 It is part of the main e2fsprogs distribution, which can be found at:

 http://sourceforge.net/projects/e2fsprogs

 Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:	$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n$(LDCONFIG)

install-strip: install
install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Theodore Ts'o
23-June-2007

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1.2171 microcode-ctl 2.1
1.2171.1 Available under license:
This update supersedes microcode provided by Red Hat with the CVE-2017-5715 (Spectre)
CPU branch injection vulnerability mitigation. (Historically, Red Hat has provided updated
microcode, developed by our microprocessor partners, as a customer convenience.) Further
testing has uncovered problems with the microcode provided along with the Spectre mitigation
that could lead to system instabilities. As a result, Red Hat is providing an microcode update
that reverts to the last known good microcode version dated before 03 January 2018.
Red Hat strongly recommends that customers contact their hardware provider for the latest microcode updates.

IMPORTANT: Customers using Intel Skylake-, Broadwell-, and Haswell-based platforms must obtain and
install updated microcode from their hardware vendor immediately. The "Spectre" mitigation requires
both an updated kernel from Red Hat and updated microcode from your hardware vendor.

1.2172 xfsprogs 3.2.2-2.el7
1.2172.1 Available under license:
This package was debianized by Nathan Scott nathans@debian.org on
Sun, 19 Nov 2000 07:37:09 -0500.

It can be downloaded from ftp://oss.sgi.com/projects/xfs/download/

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1.2179 openssh 7.5-p1

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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

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1.2184 jackson-dataformat-cbor 2.11.2

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Manifest-Version: 1.0
Bnd-LastModified: 1596396769894
Build-Jdk-Spec: 1.8
Bundle-Description: Support for reading and writing Concise Binary Object Representation (CBOR) ([https://www.rfc-editor.org/info/rfc7049](https://www.rfc-editor.org/info/rfc7049)) encoded data using Jackson abstractions (streaming API, data binding, tree model)
Bundle-DocURL: http://github.com/FasterXML/jackson-dataformats-binary
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Jackson dataformat: CBOR
Bundle-SymbolicName: com.fasterxml.jackson.dataformat.jackson-dataformat-cbor
Bundle-Vendor: FasterXML
Bundle-Version: 2.11.2
Created-By: Apache Maven Bundle Plugin
Implementation-Build-Date: 2020-08-02 19:32:26+0000
Implementation-Title: Jackson dataformat: CBOR
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.dataformat
Implementation-Version: 2.11.2
Import-Package: com.fasterxml.jackson.core;version="[2.11,3)",com.fasterxml.jackson.core.base;version="[2.11,3)",com.fasterxml.jackson.core.format;version="[2.11,3)",com.fasterxml.jackson.core.io;version="[2.11,3)",com.fasterxml.jackson.core.json;version="[2.11,3)",com.fasterxml.jackson.core.util;version="[2.11,3)"
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Requirement-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: Jackson dataformat: CBOR
Specification-Vendor: FasterXML
Specification-Version: 2.11.2
Tool: Bnd-5.1.1.202006162103
X-Compile-Source-JDK: 1.7
X-Compile-Target-JDK: 1.7

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1085183059_1598913493.63/0/jackson-dataformat-cbor-2-11-2-jar/META-INF/MANIFEST.MF

1.2185 axis2-transport-http 1.6.4
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1.2186 systemd 219 19.el7

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support.
that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1]Takao Abe <takao_abe@xurb.jp> Clock driver for JJY receivers
2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock

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controller

3. [3]Bernd Altmeyer <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices


5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes

6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option

7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.

8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver

9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support

10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in snntp

11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support

12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)

13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver

14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration

15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.


17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port

18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119

19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing

20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite

21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver

22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver

23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port

24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port

25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul

26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpswEEP

27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)

28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling

29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications

30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port

31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
32. [35] George Lindholm <lindholm@ucs.ubc.ca>  SunOS 5.1 port
33. [36] Louis A. Mamakos <louie@ni.umd.edu>  MD5-based authentication
34. [37] Lars H. Mathiesen <thorinn@diku.dk>  adaptation of foundation code for Version 3 as specified in RFC-1305
35. [38] Danny Mayer <mayer@ntp.org>  Network I/O, Windows Port, Code Maintenance
36. [39] David L. Mills <mills@udel.edu>  Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers:
   Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics;
   audio clock drivers: CHU, WWV/H, IRIG
37. [40] Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de>  VMS port
38. [41] Jeffrey Mogul <mogul@pa.dec.com>  ntptrace utility
39. [42] Tom Moore <tmoore@fievel.daytonoh.ncr.com>  i386 svr4 port
40. [43] Kamal A Mostafa <kamal@whence.com>  SCO OpenServer port
41. [44] Derek Mulcahy <derek@toybox.demon.co.uk>  and [45] Damon Hart-Davis <d@hd.org>  ARCRON MSF clock driver
42. [46] Rob Neal <neal@ntp.org>  Bancomm refclock and config/parse code maintenance
43. [47] Rainer Pruy <Rainer.Pruyl@informatik.uni-erlangen.de>  monitoring/trap scripts, statistics file handling
44. [48] Dirce Richards <dirce@zk3.dec.com>  Digital UNIX V4.0 port
45. [49] Wilfredo Sanchez <wsanchez@apple.com>  added support for NetInfo
46. [50] Nick Sayer <mrapple@quack.kfu.com>  SunOS streams modules
47. [51] Jack Sasportas <jack@innovativeinternet.com>  Saved a Lot of space on the stuff in the html/pic/ subdirectory
48. [52] Ray Schnitzler <schnitz@unipress.com>  Unixware1 port
49. [53] Michael Shields <shields@tembel.org>  USNO clock driver
50. [54] Jeff Steinman <jss@pebbles.jpl.nasa.gov>  Datum PTS clock driver
51. [55] Harlan Stenn <harlan@pfcs.com>  GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
52. [56] Kenneth Stone <ken@sdd.hp.com>  HP-UX port
53. [57] Ajit Thyagarajan <ajit@ee.udel.edu>  IP multicast/anycast support
54. [58] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>  TRAK clock driver
55. [59] Paul A Vixie <vixie@vix.com>  TrueTime GPS driver, generic TrueTime clock driver
56. [60] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de>  corrected and validated HTML documents according to the HTML DTD

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1.2222 eclipse-core-runtime
3.10.0.v20140318-2214

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jar/org/hibernate/validator/messageinterpolation/ResourceBundleMessageInterpolator.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/cfg/defs/URLDef.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/engine/ValidatorImpl.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ScriptAssertContext.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForInstant.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/validator/Validator.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/validator/internal/ConstraintValidatorFactory.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/utils/ConcurrentReferenceHashMap.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/constraints/CPF.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/constraints/Currency.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/xml/MappingXmlParser.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/resource/ConstraintViolation.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/resource/AggregateResourceBundleLocator.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/resource/PackageResourceBundleLocator.java
* /opt/cola/permissions/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/resource/ResourceBundleLocator.java
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/* A method-level constraint, that evaluates a script expression against the annotated method or constructor. This constraint can be used to implement validation routines that depend on several parameters of the annotated executable. */
* Script expressions can be written in any scripting or expression language, * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be * found on the classpath. To refer to a parameter within the scripting * expression, use its name as obtained by the active * [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc. * will be used as parameter names.
* </p>
* </p>
* The following listing shows an example using the JavaScript engine which * comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }  *
* }
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>
* *
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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 */

/**
 * Retrieves constraint related meta data for the parameters of the given executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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jar/org/hibernate/validator/overview.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/util/logging/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/constraints/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/META-INF/validation-configuration-1.0.xsd
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/core/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/spi/group/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/location/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/cfg/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-
jar/org/hibernate/validator/internal/metadata/aggregated/package.html
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1.2224 kxml 2

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  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/BeanFactoryAware.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/support/ManagedMap.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/ManagedProperties.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/support/ManagedBeanNameGenerator.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/support/ArgumentConvertingMethodInvoker.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
  * /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
    jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/propertyeditors/PropertiesEditor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1.jar/org/springframework/beans/support/MethodReplacer.java
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  jar/org/springframework/beans/PropertyEditorRegistrySupport.java
* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/ExtendedBeanInfo.java
* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
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* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
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  jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
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  jar/org/springframework/beans/annotation/GenericTypeAwarePropertyDescriptor.java
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* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
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* /opt/cola/permits/111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/annotation/AnnotationBeanUtils.java
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/TypeConverterSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/GenericBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/NullValueInNestedPathException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/ObjectProvider.java
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#
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"""copyright.py
This script updates the list of years in the copyright notices in
most files maintained by the GDB project.
Usage: cd src/gdb && python copyright.py
Always review the output of this script before committing it!
A useful command to review the output is:
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.
"""
import datetime
import os
import os.path
import subprocess

def get_update_list():
"""Return the list of files to update.
Assumes that the current working directory when called is the root
of the GDB source tree (NOT the gdb/ subdirectory!). The names of
the files are relative to that root directory.
"""
result = []
for gdb_dir in ('gdb', 'sim', 'include/gdb'):
for root, dirs, files in os.walk(gdb_dir, topdown=True):

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for dirname in dirs:
    reldirname = "%s/%s" % (root, dirname)
    if (dirname in EXCLUDE_ALL_LIST
        or reldirname in EXCLUDE_LIST
        or reldirname in NOT_FSF_LIST
        or reldirname in BY_HAND):
        # Prune this directory from our search list.
dirs.remove(dirname)
    for filename in files:
        relpath = "%s/%s" % (root, filename)
        if (filename in EXCLUDE_ALL_LIST
            or relpath in EXCLUDE_LIST
            or relpath in NOT_FSF_LIST
            or relpath in BY_HAND):
            # Ignore this file.
pass
        else:
            result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnu\lib's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK\'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import(extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)

for line in update_out:
    if line.endswith('
'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
        else:
            # Unrecognized file format. !?!
            print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The algorithm is fairly crude, meaning that it might return
some false positives. I do not think it will return any false
negatives... We might improve this function to handle more
complex cases later...
"""
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False

def main ():
    """The main subprogram.""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
print "Error: This script must be called from the gdb directory."
root_dir = os.path.dirname(os.getcwd())
os.chdir(root_dir)

update_list = get_update_list()
update_files (update_list)

# Remind the user that some files need to be updated by HAND...
if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand.\033[0m"
    for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
        print "  ", filename

#########################################################################
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
#########################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = ( 
    'gdb/CONTRIBUTE',
    'gdb/gnulib'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = ( 
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c", 
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = ( 
# These files are sensitive to line numbering.
"gdb/testsuite/gdb.base/step-line.inp",
"gdb/testsuite/gdb.base/step-line.c",

)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb-gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
    "sim/erc32/exec.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/id-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/id-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c"
if __name__ == '__main__':
    main()

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Version 3, 29 June 2007

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@heading TERMS AND CONDITIONS

@enumerate 0
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@enumerate
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@enumerate a
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@end enumerate

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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necessary. Here is a sample; alter the names:

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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 Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

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The reason we have a separate public license for some libraries is that
they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
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these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

@display
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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
@end display

@appendixsubsec Preamble
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This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the \texttt{Lesser} General Public License because it does \texttt{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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@item
You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item
As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable `"work that uses the Library"', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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@end enumerate

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END OF TERMS AND CONDITIONS
@end ifinfo
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END OF TERMS AND CONDITIONS
@end ifinfo
@page
@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the `copyright’ line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}

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@end smallexample

Also add information on how to contact you by electronic and paper mail.
You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer'' for the library, if necessary. Here is a sample; alter the names:

```c
@smallexample
Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.
@end smallexample

That's all there is to it!

BEGIN
   FS="\";
   print "/* ==> Do not modify this file!!  
   
   -*- buffer-read-only: t -*- vi 
   
   :set ro: ";
   print "   It is created automatically by copying.awk.";
   print "   Modify copying.awk instead. <= *= */";
   print ""
   printf_filtered ("\n");
   printf_filtered (""
   for (i = 1; i < NF; i++)
      printf "%s\"
   printf "%s\n\n", $i;
   printf const ?s\n\"
   if ($0 ~ //)
   {
      printf "% printf_filtered (\n\n)\n"
   }
else if ($0 =~ /[^]*\15\ . Disclaimer of Warranty\[ ]*$/)
   {
      printf const \printf_filtered (\n\n)\n"
   }
```

Open Source Used In Virtualized Voice Browser 12.6(1) 31589
1.2233 cryptsetup 1.6.7 1.el7
1.2233.1 Available under license:

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To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.
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1.2237 pkix-ssh 10.1

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*
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*
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jar/javassist/util/proxy/ProxyFactory.java
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* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/MethodHandler.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/analysis/FramePrinter.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/tools/rmi/ObjectImporter.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/SyntheticAttribute.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/CodeGen.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/tools/reflect/Compiler.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/ClassPath.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/util/proxy/SerializedProxy.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/NewArray.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/Symbol.java
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* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/analysis/ControlFlow.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/AnalyticsS3BucketDestination.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/SetBucketMetricsConfigurationResult.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/AnalyticsTagPredicate.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/ListBucketMetricsConfigurationsRequest.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/AnalyticsAndOperator.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/AnalyticsPrefixPredicate.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/metrics/MetricsConfiguration.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/lifecycle/LifecycleFilter.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/SetBucketAnalyticsConfigurationRequest.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/inventory/InventoryDestination.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/inventory/InventoryFormat.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/inventory/InventoryPredicateVisitor.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/metrics/MetricsFilter.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/AnalyticsS3ExportFileFormat.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/analytics/StorageClassAnalysisSchemaVersion.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/lifecycle/LifecyclePredicateVisitor.java

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 */
/**
 * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin returning
 * results. Results are always ordered first lexicographically (i.e.
 * alphabetically) and then from most recent version to least recent
 * version.
 * 
 * A key marker must be specified when specifying a <code>versionIdMarker</code>.
 * Results begin immediately after the version with the specified key and
 * version ID.
 * 
 * @return The optional <code>versionIdMarker</code> parameter indicating where in the
 * sorted list of all versions in the specified bucket to begin
 * returning results.
 *
 * @see ListVersionsRequest#setVersionIdMarker(String)
 * @see ListVersionsRequest#withVersionIdMarker(String)
 */

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jar/com/amazonaws/services/s3/model/RedirectRule.java

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  jar/com/amazonaws/services/s3/internal/RestUtils.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/BucketPolicy.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/internal/Mimetypes.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/Owner.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/TagSet.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/transform/XmlResponsesSaxParser.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/Bucket.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/ServiceUtils.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/CanonicalGrantee.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/EmailAddressGrantee.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/AccessControlList.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/BucketTaggingConfiguration.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/S3StringResponseHandler.java
* /opt/ cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/Grantee.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/RequestPaymentConfiguration.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/transfer/Download.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/iterable/S3Objects.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/iterable/S3Versions.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/internal/DownloadImpl.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/model/GetBucketTaggingConfigurationRequest.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/model/GetBucketCrossOriginConfigurationRequest.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/internal/FileLocks.java
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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/model/ListNextBatchOfObjectsRequest.java
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 */
// The Amazon S3 DevPay token header is a special exception and can be safely moved

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 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/GroupGrantee.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/MD5DigestCalculatingInputStream.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3ObjectSummary.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3VersionSummary.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3VersioningConfigurationRequest.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3ObjectListing.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/BucketVersioningConfiguration.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/BucketLifecycleConfigurationRequest.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/BucketTaggingConfigurationRequest.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3ObjectListing.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3ObjectSummary.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3VersioningConfigurationRequest.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/S3VersioningConfigurationRequest.java  
 * /opt/cola/Code/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1.jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java  

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* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/internal/S3RequesterChargedResult.java
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/**
 * Synchronous client for accessing Amazon S3.
 *
 * <h1>Appendix: Amazon S3 client-side encryption meta information</h1>
 *
 * <h2>Introduction</h2>
 *
 * This appendix summarizes the current crypto related meta information
 * associated with an S3 object encrypted using SDK client-side encryption. In
 * SDK's terminology, these meta information are classified as "user metadata".
 * In general, the meta information is just a map of key/value pairs. Physically
 * they are persisted either as metadata of the encrypted S3 object, or as a
 * separate S3 object called an "instruction file" (which is just a JSON file in
 * plaintext.) For all references to the Cipher Algorithm Names, Modes, and Padding,
 * such as <code>AES/CBC/PKCS5Padding"</code>, please refer to Oracle's <a href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html">Java Cryptography Architecture Standard Algorithm Name Documentation</a> for more details.
 *
 * <h2>S3 metadata vs instruction file</h2>
 *
 * Note when a key/value pair is stored as "user metadata" as part of the S3
* metadata, the SDK always adds an additional prefix of `<b>x-amz-meta-</b>` to
* the key name. In contrast, the SDK doesn't add any prefix when the key names
* are stored in an instruction file. (The reason has to do with how the http
* headers are handled.)
* 
* For example, `<b>x-amz-key</b>` would get stored as `<b>x-amz-meta-x-amz-key</b>`
* in S3 metadata. In contrast, `<b>x-amz-key</b>` would simply be stored as is
* (ie without the prefix) in an instruction file.
* 
* All the keys described below are considered "user metadata" by the SDK.
* 
* `<h2>S3 v1 crypto meta information (supported by all SDK's)</h2>`
* `<p>`
* For non-KMS client side encryption, this v1 crypto meta information is used
* to support the "Encryption Only" crypto mode (which involves the use of
* `<code>AES/CBC/PKCS5Padding</code>` for content encryption, and
* `<code>AES/ECB</code>` for encrypting the one-time randomly generated data
* key). For KMS client-side encryption, the v2 crypto meta information is used.
* `<p>`
* `<table border=1>`
* `<tr aligned="left">`
* `<th>key</th>`
* `<th>description</th>`
* `</tr>`
* `<tr>`
* `<td width="200">`<b>x-amz-key</b>`</td>`
* `<td>Content encrypting key (cek) in encrypted form, base64 encoded. The cek
* is randomly generated per S3 object, and is always an AES 256-bit key. The
* corresponding cipher is always "AES/CBC/PKCS5Padding".</td>`
* `</tr>`
* `<tr>`
* `<td>`<b>x-amz-iv</b>`</td>`
* `<td>Randomly generated IV (per S3 object), base64 encoded</td>`
* `</tr>`
* `<tr>`
* `<td>`<b>x-amz-matdesc</b>`</td>`
* `<td>Customer provided material description in JSON (UTF8) format. Used to
* identify the client-side master key (ie used to encrypt/wrap the generated
* content encrypting key).</td>`
* `</tr>`
* `<tr>`
* `<td>`<b>x-amz-unencrypted-content-length</b>`</td>`
* `<td>Unencrypted content length (optional but should be specified whenever
* possible).</td>`
* `</tr>`
* `</table>`
* `<h2>S3 v2 crypto meta information (currently supported by the Java SDK)</h2>`
This v2 crypto meta information is used to support both authenticated encryption (which involves the use of \texttt{AES/GCM/NoPadding} for content encryption, and key wrapping for the one-time randomly generated data key), and KMS client-side encryption (which can either be encryption-only or authenticated encryption.)

<table>
<thead>
<tr>
<th>key</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x-amz-key-v2</td>
<td>CEK in key wrapped form. This is necessary so that the S3 encryption client that doesn't recognize the v2 format will not mistakenly decrypt S3 object encrypted in v2 format.</td>
</tr>
<tr>
<td>x-amz-iv</td>
<td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
</tr>
<tr>
<td>x-amz-matdesc</td>
<td>Customer provided material description in JSON format. (Same as v1). Used to identify the client-side master key.</td>
</tr>
<tr>
<td>x-amz-unencrypted-content-length</td>
<td>Unencrypted content length. (optional but should be specified whenever possible. Same as v1.)</td>
</tr>
</tbody>
</table>

For KMS client side encryption, the KMS Customer Master Key ID is stored as part of the material description, \texttt{x-amz-matdesc}, under the key-name \texttt{x-amz-cmk-id}.

### Supported values:

- \texttt{AESWrap}, \texttt{RSA/ECB/OAEPWithSHA-256AndMGF1Padding}, \texttt{kms}
Content encryption algorithm used.

- **Supported values:**
  - Default to "AES/CBC/PKCS5Padding" if this key is absent.

- **Tag length (in bits) when AEAD is in use.**

- **Only applicable if AEAD is in use. This meta information is absent** otherwise, or if KMS is in use.

- **Supported value:** "128"

---

**KMS Integration for client-side encryption**

- All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, <b>x-amz-wrap-alg</b> is always set to "kms".

- The KMS Customer Master Key ID is currently stored as part of the material description, <b>x-amz-matdesc</b>, under the key-name <b>x-amz-cmk_id</b>.

---

**Sample S3 crypto meta information for KMS client-side encryption**

**CryptoMode: Encryption Only**

```plaintext
x-amz-meta-x-amz-key-v2: CiAJ2GqwpJRnt4izjwoalC2YdNRNSMEsiG5rw3pEI+J8hKnaAQEBAwB4ChqksKSUZ7eIs7o8KGPtQtmHTUTUjBLJRuaN6RCPiPAAAAB8+MhwGC5qG5Ib3DQEHBrwBvM6CAQAwaAYJ7oZItvNAQcBMB4GWCgSFAFlAwQBljARBxAYD0rz3NKhCWiXVxVcCARCAOwhZ6xA8rob3Z0mN3uKF7eHKvY8C/PIkchALvG1cVLn86mAZJNPXXwMkKkDocVjZ3zGfZTufF5sOH
x-amz-iv: xqOhH+xM6y0UogwG55HJM3Q==
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/CBC/PKCS5Padding
x-amz-wrap-alg: kms
```
* x-amz-key-v2: C2YdNRRNSMEiG5rw3pEl78hKuAQEBAwB4CdhqsKSUZ7elS7o8KGPQtmHTUTUjBILR5wuA6pCpfIAAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwAAYJKoZIhvcNAQcBMB4GCWCGSAFlAwQBljARBAytFVYW4H6QmwePK1ECARCAO1VzoMkxv9DHyNMm/BEbbje2vLA7IY7f9OkUoSrPdxgKxwNID9QqAL/7928mIDJtdO9J6PHefm89C
* x-amz-crypto-instr-file: VZHsij6DHrUMye
* x-amz-unencrypted-content-length: 32768
* x-amz-crypt-alg: AES/GCM/NoPadding
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"kms_cmek_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
* x-amz-tag-len: 128

*/

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  jar/com/amazonaws/services/s3/model/transform/ObjectTaggingXmlFactory.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/BucketAccelerateStatus.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/GetObjectAclRequest.java
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  jar/com/amazonaws/services/s3/model/object/S3VersionResult.java
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  jar/com/amazonaws/services/s3/model/S3AccelerateUnsupported.java
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  jar/com/amazonaws/services/s3/model/S3RequesterChargedHeaderHandler.java
* /opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-
  jar/com/amazonaws/services/s3/model/GetObjectTaggingRequest.java

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*/opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/model/S3ObjectInputStream.java
*/opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/transfer/MultipleFileDownload.java
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*/opt/cola/permits/1136045881_1613664747.47/0/aws-java-sdk-s3-1-11-61-sources-1-jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransfer.java

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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Otherwise, if the work is a derivative of the Library, you may
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d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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1.2264 tzdata 2018c

1.2265 pcre 8.32 15.el7
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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
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1.2266 webkit 2.20.5

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1.2270 e2fsprogs 1.42.9-7.el7

1.2270.1 Available under license :
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu/pub/linux/packages/ext2fs/

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DAMAGE.
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/*/  
Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c  
+++ tdbsa/tdb.c  
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)  
*/  
/*  
- Unix SMB/CIFS implementation.  
+ trivial database library - standalone version  
- trivial database library - private includes  
-  
- Copyright (C) Andrew Tridgell 2005  
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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# This is a Makefile stub which handles the creation of BSD shared libraries.

# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ./$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB)
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ./$(BSD_LIB)

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<one line to give the program's name and a brief idea of what it does.>
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

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be called something other than `show w' and `show c'; they could even be
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necessary. Here is a sample; alter the names:

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
   * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
   *
   * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
   * http://www.hypermall.com/
   * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
   * interrupts us (except possibly for removal/insertion of the cable?)
   * 10/4/97 - began heavy inline documentation of the code. Corrected typos
   * and spelling mistakes.
   * 10/5/97 - added code to handle PHY interrupts, disable PHY on
   * loss of link, and correctly re-enable PHY when link is
   * re-established. (put back CFG_PHYIE)
   *
   * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
   *
   * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997 SRevision: 1.1 $ SDate: 1999/08/20 11:00:11 $
   *
   * Linux driver for the IDT77201 NICStAR PCI ATM controller.
   * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
   * see init_nicstar() for PHY initialization to change this. This driver
   * expects the Linux ATM stack to support scatter-gather lists
   * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
   *
   * Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* *
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* *
* M. Welsh, 6 July 1996
* *
* */

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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distribute the object code for the work under the terms of Section 6.
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert
UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:
https://github.com/JCTools/JCTools

JCTools has now published artifacts (https://github.com/JCTools/JCTools/issues/17) so RxJava could add JCTools
as a "shadow" dependency (https://github.com/ReactiveX/RxJava/issues/1735).
RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/plugins/RxJavaSingleExecutionHookDefault.java
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This package "rx.internal.operators" is for internal implementation details and can change at any time.

It is excluded from the public Javadocs (http://netflix.github.io/RxJava/javadoc/) and should not be relied upon by any code.

In short, changes to public signatures of these classes will not be accounted for in the versioning of RxJava.

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/README.md

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/util/ExceptionsUtils.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribeConcatMap.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OnSubscribePublishMulticast.java

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/util/BlockingUtils.java 
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/singles/BlockingSingle.java

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/SingleDelayedProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/QueuedProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/ProducerObserverArbiter.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/SingleProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/QueuedValueProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/BackpressureUtils.java
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core/src/main/java/org/jctools/queues/SpscArrayQueue.java
*/

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/**
 * This plugin class provides 2 ways to customize [link Scheduler] functionality
 * 1. You may redefine entire schedulers, if you so choose. To do so, override
 * the 3 methods that return Scheduler (io(), computation(), newThread()).
 * 2. You may wrap/decorate an [link Action0], before it is handed off to a Scheduler. The system-
 * supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
 * Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
 * modify Scheduler functionality without redefining Schedulers wholesale.
 * 
 * Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
 * <p>
* See [@link RxJavaPlugins](https://github.com/ReactiveX/RxJava/wiki/Plugins) or the RxJava GitHub Wiki for information on configuring plugins:


*/

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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTakeLast.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorElementAt.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTimeoutBase.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/subscriptions/SerialSubscription.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/TakeLastQueueProducer.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeDelayErrorIterable.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorSkipWhile.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/plugins/RxJavaObservableExecutionHook.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/exceptions/OnErrorNotImplementedException.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/Producer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/functions/ActionN.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorSequenceEqual.java
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* */opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/CompletableOnSubscribeConcat.java
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is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

^L
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner.
It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

-------------------------------------

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20
---
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> =20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didn't notice the license=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir applications are also GPL-2 which imo is just wrong. it isn't the place of =20
a library to dictact to application writes what license they should be using.=20
thus LGPL-2.1 enters to fill this void.

=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216
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thus LGPL-2.1 enters to fill this void.
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.
I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....
-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting...
I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> 
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > > Seems like the ideal thing here would be for you and the other distro
> > > > maintainers to get together with Alec in a conversation and come to a
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> > GPL to use the library, too, which would be sufficient for the packages
> > which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> > In any case, I thank you both for working on sorting this out.

Looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes, go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

--------

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

--------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

--------

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
    by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
    by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

-----------
Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=

r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
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the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

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=20
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> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
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> > > place of a
> > > library to dictate application writes what license they should
> > > be using.
> > > thus LGPL-2.1 enters to fill this void.
> > -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
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> >
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> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
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-mike

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>
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-a

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   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id 11cOcX-0004Qt-6L
Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a
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* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/ResolvedAddressTypes.java
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* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/AddressResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/CompositeNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/HostsFileParser.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/DefaultNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/InetNameResolver.java

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* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/SimpleNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/NoopAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/package-info.java
* /opt/ws_local/PERMITS_SQL/1068271484_1594339281.28/0/netty-resolver-4-1-45-final-sources-1-jar/io/netty/resolver/NoopAddressResolverGroup.java

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1.2280 google-http-client-jackson2 1.34.0

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* /opt/cola/permits/1121265878_1610088667.91/0/google-http-client-jackson2-1.34.0-sources-1-
  jar/com/google/api/client/json/jackson2/JacksonParser.java
* /opt/cola/permits/1121265878_1610088667.91/0/google-http-client-jackson2-1.34.0-sources-1-
  jar/com/google/api/client/json/jackson2/package-info.java
* /opt/cola/permits/1121265878_1610088667.91/0/google-http-client-jackson2-1.34.0-sources-1-
  jar/com/google/api/client/json/jackson2/JacksonGenerator.java
* /opt/cola/permits/1121265878_1610088667.91/0/google-http-client-jackson2-1.34.0-sources-1-
  jar/com/google/api/client/json/jackson2/JacksonFactory.java

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas
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  jar/org/springframework/security/web/access/DefaultWebInvocationPrivilegeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-
  jar/org/springframework/security/web/authentication/www/NonceExpiredException.java
* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-
  jar/org/springframework/security/web/authentication/AbstractAuthenticationProcessingFilter.java
* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-
  jar/org/springframework/security/web/session/HttpSessionDestroyedEvent.java
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  jar/org/springframework/security/web/session/HttpSessionEventPublisher.java
* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-
  jar/org/springframework/security/web/access/DefaultWebInvocationPrivilegeEvaluator.java
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1.2307 libdb 5.3.21

1.2308 rpm 4.11.3 17.el7

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have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

   You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the 
Sections above.

b) Give prominent notice with the combined library of the fact 
that part of it is a work based on the Library, and explaining 
where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

1.2309 gstreamer 1.10.4 2.el7

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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uses the Library", as object code and/or source code, so that the
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least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
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attempt otherwise to copy, modify, sublicense, link with, or
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either
version 2 of the License, or (at your option) any later version.
This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

This part of the FAQ is based on a series of questions we asked the FSF to understand how the GPL works and how patents affects the GPL. These questions were answered by the FSF lawyers, so we view them as the final interpretation on how the GPL and LGPL interact with patents in our opinion. This consultancy was paid for by Fluendo in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

Can someone distribute the combination of

- GStreamer, the LGPL library
- MyPlayer, a GPL playback application
- The binary-only Sorenson decoder
together in one distribution/operating system? If not, what needs to be changed to make this possible?

</para>
</question>

<answer>
<para>
This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.
</para>

<para>
If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.
</para>

<para>
Note: MyPlayer is a completely fictitious application at the time of writing.
</para>
</answer>

<qandaentry>
<question id="legal-binary-plugin">
<para>
Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?
</para>
</question>

<answer>
<para>
Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.
</para>
</answer>
</qandaentry>
If a program released under the GPL uses a library that is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in?

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.

Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway? If he/she visits the US, can he/she be arrested?

Yes, he can. No, there are no criminal penalties for patent infringement in the US.

Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?

This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent
infringing devices, including software.

</para>
</answer>
</qandaentry>

<qandaentry>
<question id="legal-gpl-library-patents">
<para>
There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?
</para>
</question>

<answer>
<para>
The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.
</para>

<para>
The GPL and LGPL say (sections 7 and 11):
<quote>If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.</quote>
</para>
</answer>

<qandaentry>
<question id="legal-gpl-court-judgment">
<para>
So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?
</para>
</question>

<answer>
<para>
The GPL operates on a per-action, not per-program basis. That is, if you are in a country which has software patents, and a court tells you that you cannot distribute (say) libmad in source code form, then you cannot distribute libmad at all. This doesn't affect anyone else.
</para>
</answer>
Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library. Does this affect the licensing issues involved in regards to GPL/LGPL?

No.

Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?

The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

If you take a license which doesn't allow others to distribute original or modified versions of libmad practicing the same patent claims as the version you distribute, then you may not distribute at all.

Open Source Used In Virtualized Voice Browser 12.6(1) 32275
Apache CXF
Copyright 2006-2014 The Apache Software Foundation

This product includes software developed at
The Apache Software Foundation (http://www.apache.org/).

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

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the copyright owner that is granting the License.

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other entities that control, are controlled by, or are under common
control with that entity. For the purposes of this definition,
"control" means (i) the power, direct or indirect, to cause the
direction or management of such entity, whether by contract or
otherwise, or (ii) ownership of fifty percent (50%) or more of the
outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity
exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications,
including but not limited to software source code, documentation
source, and configuration files.

"Object" form shall mean any form resulting from mechanical
transformation or translation of a Source form, including but
not limited to compiled object code, generated documentation,
and conversions to other media types.

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Object form, made available under the License, as indicated by a
copyright notice that is included in or attached to the work.
(an example is provided in the Appendix below).

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To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]"
replaced with your own identifying information. (Don't include
the brackets!) The text should be enclosed in the appropriate
comment syntax for the file format. We also recommend that a
file or class name and description of purpose be included on the
same "printed page" as the copyright notice for easier
identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

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See the License for the specific language governing permissions and
limitations under the License.

1.2311 mesa 18.0.5 3.el7
1.2311.1 Available under license :
/* Legal characters in GLSL are:

* Identifier characters:
*     Letters a-z
*     Letters A-Z
*     Underscore
*     Numbers 0-9
*
* Punctuation:
*     Period, plus, dash, slash, asterisk, percent, angled brackets,
*     square brackets, parentheses, braces, caret, vertical bar,
*     ampersand, tilde, equals, exclamation point, colon, semicolon,
*     comma, and question mark
*
* Special:
*     Number sign (as used in preprocessor)
*
* Backslash just before newline as line continuation
*
* White space:
*     Space, horizontal tab, vertical tab, form feed, carriage-return,
*     and line-feed.
*
[GLSL Language Specification 4.30.6, section 3.1]
*
In this file, we test each of these in turn as follows:
*
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
*     Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
*     2 newline characters each replaced with a newline
*/

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKMLNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
# (C) Copyright IBM Corporation 2004
# All Rights Reserved.
#
# Permission is hereby granted, free of charge, to any person obtaining a
# copy of this software and associated documentation files (the "Software"),
# to deal in the Software without restriction, including without limitation
# on the rights to use, copy, modify, merge, publish, distribute, sub
# license, and/or sell copies of the Software, and to permit persons to whom
# the Software is furnished to do so, subject to the following conditions:
#
# The above copyright notice and this permission notice (including the next
# paragraph) shall be included in all copies or substantial portions of the
# Software.
bsd_license_template = %s
All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a
copy of this software and associated documentation files (the "Software"),
to deal in the Software without restriction, including without limitation
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SOFTWARE.

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
  anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
  quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that
just to allow them to solve license issues. This exception should be for
the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of
license complications. Hope current one is good for Fedora, if not
please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing
Fedora (a popular distribution of Linux) for license compliance and I
came across your MLAA code in Mesa.

The license says:

*  2. Redistributions in binary form must reproduce the following
statement:
*  *
*  * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
*  * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*  *
*  * Only for use in the Mesa project, this point 2 is filled by naming the
*  * technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa
project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's
MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from
Fedora's copy of Mesa. However, looking at the license on your SMAA
code, I do not believe it to be the case. Please let me know either way!
Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>

<iframe src="contents.html"></iframe>

<div class="content">
<h1>Disclaimer</h1>

<p>Mesa is a 3-D graphics library with an API which is very similar to
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```
Local Variables:
ispell-local-pdict: "ispell-dict"
End:
```

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jar/org/springframework/aop/target/PoolingConfig.java
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* /opt/cola/permits/1136702296_1613865146.2/0/spring-aop-3-0-5-release-sources-1.jar/org/springframework/aop/aspectj/aspectjadvisor/AbstractAspectJAdvisorFactory.java
* /opt/cola/permits/1136702296_1613865146.2/0/spring-aop-3-0-5-release-sources-1.jar/org/springframework/aop/InterceptorAndDynamicMethodMatcher.java
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1.2332 libselinux 2.5

1.2333 spring-expression 3.0.7.RELEASE

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() [] {}

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* // brackets must be in pairs

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* // Chew on the expression text - relying on the rules
  * case ""
  * case \\n
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/EvaluationContext.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Projection.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/common/TemplateParserContext.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/spel/ast/PropertyOrFieldReference.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/TypedValue.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ConstructorResolver.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/FormatHelper.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/Expression.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/Operator.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/EvaluationException.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/NullLiteral.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/TypeReference.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/MethodFilter.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/TypeCode.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/PropertyAccessor.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/spel/ast/OpLE.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
  jar/org/springframework/expression/ExpressionException.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/RealLiteral.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/CompoundExpression.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpDivide.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OperatorNot.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ExpressionParser.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/CompositeStringExpression.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Elvis.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OperatorPower.java
"foo${expr0}bar${expr1}". The static

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Found in path(s):
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4.jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
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case '[';case ']':

Found in path(s):
* case ']'
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-
jar/org/springframework/expression/spel/ast/AstUtils.java

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square brackets [] round brackets () and curly brackets { }

Found in path(s):
* * Bracket is used to describe

1.2334 libnl3 3.2.28 4.el7
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Version 2.1, February 1999

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### 1.2336 grep 2.20 2.el7

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1.2337 cglib-nodep 2.1_3

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1.2338 zlib 1.2.6

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1.2339 gsettings-desktop-schemas 3.22.0

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1.2341 tomcat-util-scan 8.0.43

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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* <h3>2 bytes length field at offset 0, do not strip header</h3>
* <p>
* The value of the length field in this example is 12 (0x0C) which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* |<b>lengthFieldOffset</b> = 0
* |<b>lengthFieldLength</b> = 2
* | lengthAdjustment = 0
* | initialBytesToStrip = 0 (= do not strip header)
* </pre>
* <h3>2 bytes length field at offset 0, strip header</h3>
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* |<b>lengthFieldOffset</b> = 0
* |<b>lengthFieldLength</b> = 2
* | lengthAdjustment = 0
* |<b>initialBytesToStrip</b> = <tt>2</tt> (= the length of the Length field)
* </pre>
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment for compensation.

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th></th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment for compensation.

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th></th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000E</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>0x000E</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment for compensation.

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th></th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCAFE</td>
<td>0x00000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>0xCAFE</td>
</tr>
</tbody>
</table>
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment for compensation.

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th></th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCAFE</td>
<td>0x00000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td></td>
<td>0xCAFE</td>
</tr>
</tbody>
</table>
```
* 3 bytes length field at the beginning of 5 bytes header, do not strip header
  * This is an advanced example that shows the case where there is an extra
  * header between the length field and the message body. You have to specify a
  * positive \texttt{lengthAdjustment} so that the decoder counts the extra
  * header into the frame length calculation.

  \begin{verbatim}
  lengthFieldOffset   = 0
  lengthFieldLength   = 3
  \textbf{lengthAdjustment}    = \textbf{2} (= the length of Header 1)
  initialBytesToStrip = 0
  
  \textbf{BEFORE DECODE (17 bytes)}                      \textbf{AFTER DECODE (17 bytes)}
  +----------+----------+----------------+      +----------+----------+----------------+
  |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
  | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO, WORLD" |
  +----------+----------+----------------+      +----------+----------+----------------+
  \end{verbatim}

* 2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field

  * This is a combination of all the examples above. There are the prepended
  * header before the length field and the extra header after the length field.
  * The prepended header affects the \texttt{lengthFieldOffset} and the extra
  * header affects the \texttt{lengthAdjustment}. We also specified a non-zero
  * \texttt{initialBytesToStrip} to strip the length field and the prepended
  * header from the frame. If you don't want to strip the prepended header, you
  * could specify \texttt{0} for \texttt{initialBytesToSkip}.

  \begin{verbatim}
  lengthFieldOffset   = 1 (= the length of HDR1)
  lengthFieldLength   = 2
  \textbf{lengthAdjustment}    = \textbf{1} (= the length of HDR2)
  \textbf{initialBytesToStrip} = \textbf{3} (= the length of HDR1 + LEN)
  
  \textbf{BEFORE DECODE (16 bytes)}                      \textbf{AFTER DECODE (13 bytes)}
  +------|--------|------|----------------+      +------|----------------+
  | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  +------|--------|------|----------------+      +------|----------------+
  \end{verbatim}

* 2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field, the length field represents the length of the whole message

  * Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.
Please note that we don’t need to take the length of HDR2 into account
because the length field already includes the whole header length.

```plaintext
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* `<b>lengthAdjustment</b>` = `<b>-3</b>` (= the length of HDR1 + LEN, negative)
* `<b>initialBytesToStrip</b>` = `<b>3</b>`

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
  +--------------------------------------------------+      +------------------+
  | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  +--------------------------------------------------+      +------------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
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Export-Package: io.netty.handler.codec;uses:="io.netty.buffer,io.netty
.channel,io.netty.util";version="4.0.27.Final",io.netty.handler.codec
.base64;uses:="io.netty.buffer,io.netty.channel,io.netty.handler.codec"
;version="4.0.27.Final",io.netty.handler.codec.bytes;uses:="io.netty.buffer,io.netty.channel,io.netty.handler.codec";version="4.0.27.Final",
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Bundle-DocURL: http://netty.io/

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 */

Found in path(s):
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/StringToObjectDecoder.java

Open Source Used In Virtualized Voice Browser 12.6(1) 32532
Open Source Used In Virtualized Voice Browser 12.6(1) 32534

* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4-0-27-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
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*/
/**
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

Found in path(s):
* /opt/cola/permits/1111298289_1606896115.37/0/netty-codec-4.0.27-final-sources-
jar/io/netty/handler/codec/base64/Base64Dialect.java

1.2344 javassist 3.19.0-GA

1.2345 c3p0 0.9.5.2
1.2345.1 Available under license :

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1.2348 metrics-httpclient 3.2.5

1.2349 hibernate 3.2.1.ga

1.2349.1 Available under license :

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    /**
     * Support for proprietary interfaces for registering synchronizations in WebSphere 6.
     * @author Gavin King
     */

    Found in path(s):
    * /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/transaction/WebSphereExtendedJTATransactionLookup.java

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* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/exception/NestableException.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/exception/NestableRuntimeException.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/exception/Nestable.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/exception/ExceptionUtils.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/exception/NestableDelegate.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate/util/SerializationHelper.java

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 * Do not add an item to the cache unless the current transaction
 * timestamp is later than the timestamp at which the item was
 * invalidated. (Otherwise, a stale item might be re-added if the
 * database is operating in repeatable read isolation mode.)
 * For versioned data, don't add the item unless it is the later
 * version.
 */

Found in path(s):
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/cache/ReadWriteCache.java

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* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-
jar/org/hibernate/cache/EhCacheProvider.java
* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-jar/org/hibernate/cache/EhCache.java
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* /opt/cola/permits/1139217078_1614469562.96/0/hibernate-3-2-1-ga-sources-3-
  jar/org/hibernate/util/FastHashMap.java

**1.2350 servlet-api 2.5**

**1.2351 python 2.7.15**

**1.2351.1 Available under license:**

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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MD5 message digest algorithm

----------------------------

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L. Peter Deutsch
ghost@aladdin.com
Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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*******************
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*******************

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========================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

-------------

The `mod`:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
    Coded by Takuji Nishimura and Makoto Matsumoto.

    Before using, initialize the state by using init_genrand(seed)
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Sockets
-------

The `mod:` socket module uses the functions, `func:` getaddrinfo`, and
`func:` getnameinfo`, which are coded in separate source files from the WIDE

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
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libffi
-----

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zlib
----

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069127318_1594491641.29/0/logging-interceptor-3-12-12-sources-jar/okhttp3/logging/HttpLoggingInterceptor.java

1.2357 pango 1.40.4 1.el7

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1.2368 bean-validation-api 2.0.1.Final

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  jar/org/springframework/beans/factory/access/BeanFactoryLocator.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/PropertyEditorRegistrar.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/support/MutableSortDefinition.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/config/BeanDefinitionHolder.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/xml/NamespaceHandlerResolver.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/config/DefaultDocumentLoader.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/support/ManagedProperties.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/access/BeanFactoryLocator.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
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  jar/org/springframework/beans/support/MutableSortDefinition.java
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  jar/org/springframework/beans/factory/BeanNameAware.java
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  jar/org/springframework/beans/factory/annotation/Qualifier.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/Aware.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
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* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy
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* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/PropertyValuesEditor.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/support/BeanNameGenerator.java
* /opt/cola/permits/1136687670_1613859239.64/0/spring-beans-4-3-14-release-sources-2-
  jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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OW2
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.2394 commons-logging-api 1.1

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1.2395 commons-digester 1.7

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  jar/org/apache/commons/digester/substitution/VariableExpander.java
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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1.2408 asm 3.1

1.2409 oshi-core 5.3.5

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(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
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`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`,  
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References

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10. mailto:doc_group@cs.wustl.edu
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Otherwise, if the work is a derivative of the Library, you may
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changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that 
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b) Use a suitable shared library mechanism for linking with the 
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reproducing the executable from it. However, as a special exception, 
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/ResourceLeakDetector.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/AbstractEventExecutor.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/internal/PlatformDependent0.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/GenericFutureListener.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/internal/PendingWrite.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/ReferenceCountUtil.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/FutureListener.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/FutureListener.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/NetUtil.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/netty/HashedWheelTimer.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/internal/logging/JdkLoggerFactory.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/Timer.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/package-info.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/Attribute.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/AttributeMap.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
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Manifest-Version: 1.0
Export-Package: io.netty.util;version="4.0.25.Final",io.netty.util.collection;version="4.0.25.Final",io.netty.util.concurrent;uses:="io.netty.util.internal";version="4.0.25.Final",io.netty.util.internal;uses:="io.netty.util.io.netty.util.concurrent.javaxassist";version="4.0.25.Final",io.netty.util.internal.chmv8;version="4.0.25.Final",io.netty.util.internal.logging;version="4.0.25.Final"
Built-By: trustin
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Common
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_55
Bundle-Version: 4.0.25.Final
Bnd-LastModified: 1420029459994
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high perf
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ornace protocol servers and clients.
Bundle-SymbolicName: io.netty.common
Bundle-DocURL: http://netty.io/
Import-Package: sun.misc;resolution:=optional,javassist;version="[3.18,4)":resolution:=optional,org.apache.commons.logging;version="[1.1.2)
":resolution:=optional,org.apache.log4j;version="[1.2,2)"
:resolution:=optional,org.slf4j;version="[1.7,2)";resolution:=optional,org.slf4j.helpers;version="[1.7,2)"
:resolution:=optional,org.eclipse.jetty.npn;version="[1,)");resolution:=optional,org.eclipse.jetty.alpn;version="[1,)");resolution=optional
Archiver-Version: Plexus Archiver

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  jar/io/netty/util/internal/logging/CommonsLogger.java
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  jar/io/netty/util/internal/logging/InternalLogger.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1.jar/io/netty/util/DomainNameMapping.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1.jar/io/netty/util/internal/MpscLinkedQueueTailRef.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1.jar/io/netty/util/internal/UnsafeAtomicReferenceFieldUpdater.java
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* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-
  jar/io/netty/util/collection/IntObjectMap.java
* /opt/cola/permits/1068903978_1618318813.11/0/netty-common-4-0-25-final-sources-1-
  jar/io/netty/util/collection/IntObjectHashMap.java

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1.
above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
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ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked routines.

...
linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an
"aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

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Name: custompalette
Columns: 4
#
0 0 0   Index 3
65 38 30  Index 4
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
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Name: badpalettefile
Columns: 4
#
 0 0 0  Index 3
012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
345678901234567890123456789012345678901234567890123
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11
GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: badpaletteentry
Columns: 4
#
 0 0 0  Index 3
65 38
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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1.2471 camel-core 2.4.0

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* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/FakeMapper.java
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* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/BeanExpressionException.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/config/ListFactoryBean.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/SmartFactoryBean.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/annotation/Autowired.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/support/PropertyComparator.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/support/PropertyComparator.java
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* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/support/PropertyComparator.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/annotation/Autowired.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3.0.5-release-sources-1.jar/org/springframework/beans/factory/support/PropertyComparator.java
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* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/BeanDefinition.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/NoSuchBeanDefinitionException.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/support/ManagedSet.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/BeanDefinitionHolder.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/annotation/Autowire.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/ConfigurableBeanFactory.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/config/BeanExpressionContext.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/PropertyBatchUpdateException.java
* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-jar/org/springframework/beans/factory/ListableBeanFactory.java
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* /opt/cola/permits/1136702503_1613864971.96/0/spring-beans-3-0-5-release-sources-1-
jar/org/springframework/beans/factory/support/MethodReplacer.java

1.2478 kmod 20 15.el7
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1.2494 asm 5.2

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  jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/TypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/JsonReaderInternalAccess.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/JsonTreeWriter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java

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Found in path(s):
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/annotations/JsonAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

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 */

Found in path(s):
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/internal/$Gson$Types.java

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Found in path(s):
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonWriter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/stream/JsonReader.java

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Found in path(s):
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
1.2498 jetty-security 9.4.20.v20190813

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
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org.eclipse.jetty.toolchain:jetty-schemas

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### Commands to generate dependency files

<table>
<thead>
<tr>
<th>Source File</th>
<th>Build Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN_DEPS.c</td>
<td>$(CC) -E -MM $(DEFS) $(CPPFLAGS)</td>
</tr>
<tr>
<td>GEN_DEPS.cc</td>
<td>$(CXX) -E -MM $(DEFS) $(CPPFLAGS)</td>
</tr>
</tbody>
</table>

### Flags for position independent code

<table>
<thead>
<tr>
<th>Library Type</th>
<th>Flags</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shared Libraries</td>
<td>SHAREDLIBFLAGS = -fPIC</td>
</tr>
<tr>
<td></td>
<td>SHAREDLIBCXXFLAGS = -fpIC</td>
</tr>
<tr>
<td></td>
<td>SHAREDLIBCPPFLAGS = -DPIC</td>
</tr>
</tbody>
</table>

### Additional flags when building libraries and with threads

<table>
<thead>
<tr>
<th>Flags</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THREADSCPPFLAGS</td>
<td>-D_REENTRANT</td>
</tr>
<tr>
<td>LIBCPPFLAGS</td>
<td></td>
</tr>
</tbody>
</table>

### Compiler switch to embed a runtime search path

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_RPATH</td>
<td></td>
</tr>
<tr>
<td>LD_RPATH_PRE</td>
<td>-Wl,-rpath,</td>
</tr>
</tbody>
</table>

### Compiler switch to embed a library name

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_SONAME</td>
<td>-Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))</td>
</tr>
</tbody>
</table>

### Shared library options

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD_SOOPTIONS</td>
<td>-Wl,-Bsymbalic</td>
</tr>
</tbody>
</table>

### Shared object suffix

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO</td>
<td>so</td>
</tr>
</tbody>
</table>

### Non-shared intermediate object suffix

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATIC_O</td>
<td>ao</td>
</tr>
</tbody>
</table>

### Compilation rules

<table>
<thead>
<tr>
<th>Source File</th>
<th>Build Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.c</td>
<td>$(srcdir)/%.c</td>
</tr>
<tr>
<td>$(COMPILE.c)</td>
<td>$(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $&lt;</td>
</tr>
<tr>
<td>%.o</td>
<td>$(srcdir)/%.c</td>
</tr>
<tr>
<td>$(COMPILE.cc)</td>
<td>$(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $&lt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source File</th>
<th>Build Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.cpp</td>
<td>$(srcdir)/%.cpp</td>
</tr>
<tr>
<td>$(COMPILE.cc)</td>
<td>$(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $&lt;</td>
</tr>
<tr>
<td>%.o</td>
<td>$(srcdir)/%.cpp</td>
</tr>
<tr>
<td>$(COMPILE.cc)</td>
<td>$(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $&lt;</td>
</tr>
</tbody>
</table>

### Dependency rules

<table>
<thead>
<tr>
<th>Source File</th>
<th>Build Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>%.d</td>
<td>$(srcdir)/%.c</td>
</tr>
</tbody>
</table>
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## End FreeBSD-specific setup

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1.2506 asm 1.0.2

1.2507 eclipse-persistence-antlr 2.5.0

1.2507.1 Available under license :

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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/util/HierarchicalUriComponents.java
* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/HttpHeaders.java
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* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java
* /opt/cola/permits/1136687503_1613859410.02/0/spring-web-4-3-14-release-sources-2-jar/org/springframework/web/multipart/MultipartResolver.java

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  jar/org/springframework/web/context/support/ServletContextResourceLoader.java
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1.2514 jackson-module-guice 2.12.0

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* lib/libcrypto/libmd2/md2.c, lib/libcrypto/libmd5/md5.c,
linux/include/openswan/ipsec_md5h.h, linux/net/ipsec/ipsec_md5c.c,
include/md2.h, include/md5.h
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Harald Jenny and Rene Mayrhofer, 2010-03-27
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****** MD5 Library (common/md5.hpp) ******
md5.hpp is a reformulation of the md5.h and md5.c code from http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c to allow it to function as a component of a header only library. This conversion was done by Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below).

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L. Peter Deutsch
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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

/* OPENBSD ORIGINAL: sys/sys/poll.h */
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

#error /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLRDNORM
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100

#error /* INFTIM (-1) */
#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#error /* !_COMPAT_POLL_H */
#error /* !HAVE_POLL_H */
/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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 * 
 */
#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

#define _W_INT(w) (*(int *)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (WIFEXITED(w) & & WIFSTOPPED(w))
#define WEXITSTATUS(w) ((int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1))
#define WTERMSIG(w) ((int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1))
#define WCOREFLAG 0x80
#define WCOREDUMP(w) (_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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 */
/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int*)(&(w)))) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#elifndef_COMPAT_POLL_H_
#elifndef_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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diff -up openssh-7.4p1/sftp-server.8.sftp-force-mode openssh-7.4p1/sftp-server.8
+++ openssh-7.4p1/sftp-server.82017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@
 Sets an explicit
 .Xr umask 2
 to be applied to newly-created files and directories, instead of the
 user's default mask.
It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
.El
.Pp
On some systems,
diff -up openssh-7.4p1/sftp-server.c.sftp-force-mode openssh-7.4p1/sftp-server.c
--- openssh-7.4p1/sftp-server.c.sftp-force-mode 2017-02-09 10:22:36.498019921 +0100
+++ openssh-7.4p1/sftp-server.c 2017-02-09 10:35:07.190520959 +0100
@@ -65,6 +65,10 @@ struct sshbuf *queue;
/* Version of client */
static u_int version;

+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
/* SSH2_FXP_INIT received */
static int init_done;

@@ -679,6 +683,7 @@ process_open(u_int32_t id)
Attrib a;
char *name;
int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+mode_t old_umask = 0;

if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
 (r = sshbuf_get_u32(iqueue, &pflags)) != 0) /* portable flags */
@@ -688,6 +693,10 @@ process_open(u_int32_t id)
debug3("request %u: open flags %d", id, pflags);
flags = flags_from_portable(pflags);
mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+if (permforce == 1) { /* Force perm if -m is set */
+mode = permforcemode;
+old_umask = umask(0); /* so umask does not interfere */
+}
logit("open "$s" flags %s mode 0%o",
   name, string_from_portable(pflags), mode);
if (readonly &&
@@ -709,6 +718,8 @@ process_open(u_int32_t id)
}
}
}
+if (permforce == 1)
+(void) umask(old_umask); /* restore umask to something sane */
if (status != SSH2_FX_OK)
send_status(id, status);
free(name);
@@ -1490,7 +1501,7 @@ sftp_server_usage(void)
fprintf(stderr,
    "usage: %s [-ehR] [-d start_directory] [-f log_facility] "
    "[-l log_level][-m[-P blacklisted_requests] ]
-    "[-p whitelisted_requests] [-u umask]]n"
+    "[-p whitelisted_requests] [-u umask] [-m force_file_perms]"n"
    "  %s -Q protocol_feature"n",
    __prognme, __prognme);
exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopy(user_pw);

while (!skipargs && (ch = getopt(argc, argv,
+    "dp:d:fp:P:p:Q:u:m:cehR") != -1) { 
    switch (ch) {
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
@@ -1576,6 +1587,15 @@ sftp_server_main(int argc, char **argv,
(fvoid)umask((mode_t)mask);
break;
+case 'm':
+    /* Force permissions on file received via sftp */
+permforce = 1;
+permforcemode = strtol(optarg, &cp, 8);
+if (permforcemode < 0 || permforcemode > 0777 ||
+    *cp != \000 || (permforcemode == 0 &&
+    errno != 0))
+fatal("Invalid file mode \"%s\", optarg);
+break;
+default:
+    sftp_server_usage();

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1.2540 axis-saaj 1.4

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.2547 minimal-json 0.9.2

1.2548 libproxy 0.4.11 11.el7

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Martin Richards
23 February 2007
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https://github.com/madler/zlib
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0

---

#1:         32       7648  0x83
#2:       7680       8704  0xa5
#5:       7936       4864  0x7 (freebsd)
#6:      12544       3584  0x7 (freebsd)

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d126ec2df055067c18f2cf9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
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</thead>
<tbody>
<tr>
<td>_ts_dev__1</td>
<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>_ts_dev__2</td>
<td></td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#    start  end     size  fstype  [fsize bsize   cpg] 
c:  4096   20479   16384  unused        0     0

BSD disklabel command (m for help):
Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#    start  end     size  fstype  [fsize bsize   cpg] 
a:  4096   6144   2049    4.2BSD        0     0     0
c:  4096   20479   16384  unused        0     0     0
d:   0    16064   16065  unused        0     0     0
BSD disklabel command (m for help):
Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused           5  4.1BSD           9  4.4LFS           d  boot
1  swap             6  Eighth Edition   a  unknown          e  ADOS
2  Version 6        7  4.2BSD           b  HPFS             f  HFS
3  Version 7        8  MS-DOS           c  ISO-9660        10  AdvFS
4  System V

BSD disklabel command (m for help):

1.2551 jersey-client 1.7

1.2552 jersey 2.10.1

1.2552.1 Available under license :
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    */
    /**<
    * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
    * Will not need to do anything if using PreparedStatement's standard methods,
    * but might be necessary to free database resources if using proprietary means.
    * <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
    * been executed or the affected O/R mapping sessions have been flushed.
    * Otherwise, the database resources for the temporary BLOBs might stay allocated.
    */

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/**
 * The classes in this package make JDBC easier to use and
 * reduce the likelihood of common errors. In particular, they:
 * <ul>
 * <li>Simplify error handling, avoiding the need for try/catch/final
 * blocks in application code.
 * <li>Present exceptions to application code in a generic hierarchy of
 * unchecked exceptions, enabling applications to catch data access
 * exceptions without being dependent on JDBC, and to ignore fatal
 * exceptions there is no value in catching.
 * <li>Allow the implementation of error handling to be modified
 * to target different RDBMSes without introducing proprietary
 * dependencies into application code.
 * </ul>
 *
 * This package and related packages are discussed in Chapter 9 of
 * <a href="http://www.amazon.com/exec/obidos/tg/detail/-/0764543857/" >Expert One-On-One J2EE Design and
 * Development</a>
 * by Rod Johnson (Wrox, 2002).
 *
 */

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 */

/**
 * [ @link LobHandler ] implementation for Oracle databases. Uses proprietary API
 * to create <code>oracle.sql.BLOB</code> and <code>oracle.sql.CLOB</code>

------------
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* instances, as necessary when working with Oracle's JDBC driver.
* Note that this LobHandler requires Oracle JDBC driver 9i or higher!
*
* While most databases are able to work with DefaultLobHandler,
* Oracle just accepts Blob/Clob instances created via its own proprietary
* BLOB/CLOB API, and additionally doesn't accept large streams for
* PreparedStatement's corresponding setter methods. Therefore, you need
* to use a strategy like this LobHandler implementation.
*
* Needs to work on a native JDBC Connection, to be able to cast it to
* <code>oracle.jdbc.OracleConnection</code>. If you pass in Connections from a
* connection pool (the usual case in a J2EE environment), you need to set an
* appropriate [@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor]
* to allow for automatical retrieval of the underlying native JDBC Connection.
* LobHandler and NativeJdbcExtractor are separate concerns, therefore they
* are represented by separate strategy interfaces.
*
* Coded via reflection to avoid dependencies on Oracle classes.
* Even reads in Oracle constants via reflection because of different Oracle
* drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!
* As this LobHandler initializes Oracle classes on instantiation, do not define
* this as eager-initializing singleton if you do not want to depend on the Oracle
* JAR being in the class path: use "lazy-init=true" to avoid this issue.
*
* @author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see #setNativeJdbcExtractor
* @see oracle.sql.BLOB
* @see oracle.sql.CLOB
*/

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 */
/**
 * Abstraction for handling large binary fields and large text fields in
 * specific databases, no matter if represented as simple types or Large OBjects.
 * Its main purpose is to isolate Oracle's peculiar handling of LOBs in
 * { @link OracleLobHandler}; most other databases should be able to work
 * with the provided { @link DefaultLobHandler}.
 *
 * <p>Provides accessor methods for BLOBs and CLOBs, and acts as factory for
 * LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
 * LobCreators are typically instantiated for each statement execution or for
 * each transaction; they are not thread-safe because they might track
 * allocated database resources in order to free them after execution.
 *
 * <p>Most databases/drivers should be able to work with { @link DefaultLobHandler},
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * <code>java.sql.Blob</code> and <code>java.sql.Clob</code> API completely.
 * { @link DefaultLobHandler} can also be configured to access LOBs using
 * <code>PreparedStatement.setBlob/setClob</code> (e.g. for PostgreSQL), through
 * setting the { @link DefaultLobHandler#setWrapAsLob "wrapAsLob"} property.
 *
* Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own proprietary BLOB/CLOB API, and additionally doesn't accept large streams for PreparedStatement's corresponding setter methods. Therefore, you need to use [@link OracleLobHandler] there, which uses Oracle's BLOB/CLOB API for both types of access. The Oracle 10g JDBC driver should basically work with [@link DefaultLobHandler] as well, with some limitations in terms of LOB sizes.

* Of course, you need to declare different field types for each database. In Oracle, any binary content needs to go into a BLOB, and all character content beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete portability, use a LobHandler for fields that might typically require LOBs on some database because of the field size (take Oracle's numbers as a guideline).

* Summarizing the recommended options (for actual LOB fields):
  
  * JDBC 4.0 driver: [@link DefaultLobHandler] with <code>streamAsLob=true</code>.
  * PostgreSQL: [@link DefaultLobHandler] with <code>wrapAsLob=true</code>.
  * Oracle 9i/10g: [@link OracleLobHandler] with a connection-pool-specific <code>setNativeJdbcExtractor</code>.
  * For all other database drivers (and for non-LOB fields that might potentially turn into LOBs on some databases): a plain [@link DefaultLobHandler].

* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSet(getString
* @see java.sql.ResultSet#getAsciStream
* @see java.sql.ResultSet#getAsciStream

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jar/org/springframework/jdbc/support/SQLExceptionCodesFactory.java
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* /opt/cola/permits/1138130365_1614265858.29/0/spring-jdbc-3-0-5-release-sources-1-jar/org/springframework/jdbc/datasource/embedded/H2EmbeddedDatabaseConfigurer.java
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 */
/**
 * Strategy interface for translating between {@link SQLException SQLExceptions}
 * and Spring's data access strategy-agnostic {@link DataAccessException}
 * hierarchy.
 * 
 * Implementations can be generic (for example, using
 * {@link java.sql.SQLException#getSQLState() SQLState} codes for JDBC) or wholly
 * proprietary (for example, using Oracle error codes) for greater precision.
 * 
 * @author Rod Johnson
 * @author Juergen Hoeller
 * @see org.springframework.dao.DataAccessException
 */

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 * limitations under the License.
* Implement this interface when parameters need to be customized based
  * on the connection. We might need to do this to make use of proprietary
  * features, available only with a specific Connection type.
  *
  * @author Rod Johnson
  * @author Thomas Risberg
  * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
  * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)

  /*
  * Create a Map of input parameters, keyed by name.
  * @param con JDBC connection. This is useful (and the purpose of this interface)
  * if we need to do something RDBMS-specific with a proprietary Connection
  * implementation class. This class conceals such proprietary details. However,
  * it is best to avoid using such proprietary RDBMS features if possible.
  * @throws SQLException if a SQLException is encountered setting
  * parameter values (that is, there's no need to catch SQLException)
  * @return Map of input parameters, keyed by name (never <code>null</code>)
  */

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1.2560 geo-ip 1.5.0 13.el7

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1.2568 xerces-impl 2.12.1

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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
  jar/org/apache/xerces/dom3/as/ASModel.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
  jar/org/apache/xerces/dom3/as/DocumentEditAS.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
  jar/org/apache/xerces/dom3/as/ElementEditAS.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
  jar/org/apache/xerces/dom3/as/ASObjectList.java
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  jar/org/apache/xerces/dom3/as/ObjectEditAS.java
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  jar/org/apache/xerces/dom3/as/DOMASException.java
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  jar/org/apache/xerces/dom3/as/DOMASWriter.java
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  jar/org/apache/xerces/dom3/as/DOMImplementationAS.java
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  jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
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  jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
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  jar/org/apache/xerces/dom3/as/ASCharacterData.java
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  jar/org/apache/xerces/dom3/as/CharacterDataEditAS.java
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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
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 */

/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new <code>LSParser</code>. The newly constructed parser may
 * then be configured by means of its <code>DOMConfiguration</code>
 * object, and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode  The <code>mode</code> argument is either
 *   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
 *   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
 *   <code>LSParser</code> that is created will operate in synchronous
 *   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
 *   <code>LSParser</code> that is created will operate in asynchronous
 *   mode.
 * @param schemaType  An absolute URI representing the type of the schema
 *   language used during the load of a <code>Document</code> using the
 *   newly created <code>LSParser</code>. Note that no lexical checking
 *   is done on the absolute URI. In order to create a
 *   <code>LSParser</code> for any kind of schema types (i.e. the
 *   LSParser will be free to use any schema found), use the value
 *   <code>null</code>.
 *   applications must use the value
 *   <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD [<a href="http://www.w3.org/TR/2000/REC-xml-20001006">XML 1.0</a>],
 *   applications must use the value
 *   <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
* are outside the scope of the W3C and therefore should recommend an
* absolute URI in order to use this method.
* @return The newly created <code>LSParser</code> object. This
* <code>LSParser</code> is either synchronous or asynchronous
* depending on the value of the <code>mode</code> argument.
* <p>Note: By default, the newly created <code>LSParser</code>
* does not contain a <code>DOMErrorHandler</code>, i.e. the value of
* the "a href=http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler">
* error-handler" configuration parameter is <code>null</code>. However, implementations
* may provide a default error handler at creation time. In that case,
* the initial value of the <code>error-handler</code> configuration
* parameter on the new created <code>LSParser</code> contains a
* reference to the default error handler.
* @exception DOMException
* NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
* not supported.
* */

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/**
* Checks if this content model has had its min/maxOccurs values reduced for
* purposes of speeding up UPA. If so, this content model should not be used
* for any purpose other than checking unique particle attribution
* 
* @return a boolean that says whether this content has been compacted for UPA
*/
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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dv/xs/YearDV.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/traversers/XSDKeyrefTraverser.java
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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/XMLSchemaValidator.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java
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 * Element Declarations Consistent.
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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xpath/regex/message.properties
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* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xpath/regex/message_ja.properties
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xpath/regex/message_fr.properties
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/msg/DatatypeMessages.properties
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  jar/org/apache/xerces/impl/xx/models/CMNodeFactory.java
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  jar/org/apache/xerces/xni/parser/XMLDTDFilter.java
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  jar/org/apache/xerces/impl/dt/dtd/XML11DTDValidator.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-
  jar/org/apache/xerces/impl/xs/DeferredEntityImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/util/DefaultErrorHandler.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/dom/ChildNode.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/dom/DOMMessageFormatter.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/dom/NodeListCache.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/impl/dv/ds/DTDVFactoryImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/impl/xpath/regex/RegularExpression.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xml/serialize/LineSeparator.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/impl/dv/xs/StringDV.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources.jar/org/apache/xerces/dom/NodeIteratorImpl.java

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jar/org/apache/xerces/parsers/CachingParserPool.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/traversers/XSDGroupTraverser.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/stax/events/XMLEventImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/parsers/AbstractXMLDocumentParser.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/xpointer/XPointerProcessor.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/html/dom/HTMLFieldSetElementImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/XSGrammarBucket.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dv/xs/FullDVFactory.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dv/xs/XSWildcard.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dao/HTMLdtd.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/DatatypeMessageFormatter.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/xs/datatypes/XSDouble.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/html/dom/NameNodeListImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/dom/DeferredDocumentTypeImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/XMLLocatorWrapper.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/XMLSchemaTypeImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/EntityResolverWrapper.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/jaxp/validation/AbstractXMLSchema.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dtd/XMLDTDProcessor.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/parsers/XMLGrammarPreparser.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/html/dom/HTMLButtonElementImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/wml/WMLAccessElement.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/wml/dom/WMLAElementImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/EntityResolverWrapper.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/jaxp/datatype/DurationImpl.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/impl/dtd/XMLDTDFactory.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/util/NullEntityResolver.java
* /opt/cola/permits/1135901849_1613627780.66/0/xercesimpl-2-12-1-sources-jar/org/apache/xerces/jaxp/validation/AbstractXMLSchema.java
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Jar w3c_doms contains the test cases from DOMTS 2001, level2.core. Some test cases have been modified, as has
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* /opt/cola/permits/1114168051_1607449109.89/0/netty-transport-4-0-25-final-sources-1-
  jar/io/netty/channel/PendingWriteQueue.java
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* /opt/cola/permits/1114168051_1607449109.89/0/netty-transport-4-0-25-final-sources-1-
  jar/io/netty/channel/oio/OioByteStreamChannel.java
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Manifest-Version: 1.0

Built-By: trustin
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Transport
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_55
Bundle-Version: 4.0.25.Final
Bnd-LastModified: 1420029521845
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.transport
Bundle-DocURL: http://netty.io/
Import-Package: io.netty.buffer;version="[4.0,5)",io.netty.util;version="[4.0,5)",io.netty.util.concurrent;version="[4.0,5)",io.netty.util.internal;version="[4.0,5)",io.netty.util.internal.logging;version="[4.0,5)",org.eclipse.jetty.alpn;version="[1.
Open Source Used In Virtualized Voice Browser 12.6(1) 34642
Found in path(s):
* /opt/cola/permits/1114168051_1607449109.89/0/netty-transport-4-0-25-final-sources-1-jar/META-INF/MANIFEST.MF

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 */

/**
 * Handles or intercepts a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation, and
 * forwards it
 */
to the next handler in a [@link ChannelPipeline].

* <h3>Sub-types</h3>

* [@link ChannelHandler] itself does not provide many methods. To handle a
* a [@link ChannelInboundInvoker] or [@link ChannelOutboundInvoker] operation
* you need to implement its sub-interfaces. There are many different sub-interfaces
* which handles inbound and outbound operations.

* But the most useful for developers may be:
* <ul>
* <li>[@link ChannelInboundHandlerAdapter] handles and intercepts inbound operations</li>
* <li>[@link ChannelOutboundHandlerAdapter] handles and intercepts outbound operations</li>
* </ul>

* You will also find more detailed explanation from the documentation of
* each sub-interface on how an event is interpreted when it goes upstream and
* downstream respectively.

* <h3>The context object</h3>

* A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext]
* object. A [@link ChannelHandler] is supposed to interact with the
* [@link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [@link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [@link AttributeKey]s) which is specific to the handler.

* <h3>State management</h3>

* A [@link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
* </pre>

* public class DataServerHandler extends [@link SimpleChannelInboundHandler] &lt;Message&gt; { 
*     <b>private boolean loggedIn;</b>
* }

* { @code @Override }
* public void channelRead0([@link ChannelHandlerContext] ctx, Message message) {
*     [ @link Channel ] ch = e.getChannel();
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) message);
*         <b>loggedIn = true;</b>
*     } else (message instanceofGetDataMessage) {
* }
* if (<b>loggedIn</b>) {
*     ch.write(fetchSecret((GetDataMessage) message));
* } else {
*     fail();
* }
* }
* }
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See [@link ChannelInitializer#initChannel(Chanell)]
* public class DataServerInitializer extends [@link ChannelInitializer>>&lt;@link Channel]&gt; {
*     @code @Override
*     public void initChannel(@link Channel) channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
* }
* </pre>
* * <h4>Using [@link AttributeKey]</h4>
* *
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by
* [@link ChannelHandlerContext]:
* <pre>
* public interface Message {
*     // your methods here
* }
* }
* *
* @code @Sharable
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; {
*     private final @link AttributeKey]&lt;@link Boolean]&gt; auth =
*         @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");
* }
* *
* @code @Override
* public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
*     @link Attribute] &lt;@link Boolean] attr = ctx.attr(auth);
*     @link Channel] ch = ctx.channel();
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
* } else (message instanceof GetDataMessage) {
*     if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*         ch.write(fetchSecret((GetDataMessage) o));
*     } else {
*         fail();
*     }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
* *
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
* *
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey}, you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable} annotation, it means you can create an instance of the handler just once and add it to one or more {@link ChannelPipeline}’s multiple times without a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
* <p>
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {@link ChannelHandler}, and {@link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

Found in path(s):
*/opt/cola/permits/1114168051_1607449109.89/0/netty-transport-4-0-25-final-sources-1-
jar/io/netty/channel/ChannelHandler.java

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPFLAGS = -D_REENTRANT
LIBCPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n | sed "s/(.*)\.o \[ :\]*/\1.o $@ : /g" > $@; \n [ -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n | sed "s/(.*)\.o \[ :\]*/\1.o $@ : /g" > $@; \n [ -s $@ ] || rm -f $@’

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
1.2580 passwd 0.79

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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That's all there is to it!

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1.2593 jackson-xc 2.9.10

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1.2594 commons-el 5.5.23

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1.2595 datatype 1.4.01

1.2596 grep 2.20 3.el7

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static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstart() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
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* M. Welsh, 6 July 1996
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for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON
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Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.2604 opencensus-contrib-http-util 0.24.0

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JUnit

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1.2611 struts2-bean-validation-plugin 2.5.20

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https://github.com/umeshawasthi/jsr303-validator-plugin

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1.2615 e2fsprogs 1.42.9 7.el7

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o
23-June-2007

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That's all there is to it!

# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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David Megginson, david@megginson.com
2000-05-05

1.2618 jackson-datatype-jsr310 2.10.2

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1.2619 commons-codec 1.3
1.2620 dropbear 2016.74

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loginrec.c
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curve25519-donna:

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Open Source Used In Virtualized Voice Browser 12.6(1) 35019
curve25519-donna: Curve25519 elliptic curve, public key function

http://code.google.com/p/curve25519-donna/

Adam Langley <agl@imperialviolet.org>

Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

More information about curve25519 can be found here

http://cr.yp.to/edcd.html

djb's sample implementation of curve25519 is written in a special assembly
language called qhasm and uses the floating point registers.

This is, almost, a clean room reimplementation from the curve25519 paper. It
uses many of the tricks described therein. Only the crecip function is taken
from the sample implementation.

1.2621 jersey-media-jaxb 2.25.1

1.2622 librabbitmq 0.7.1

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it as public domain code.

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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    */opt/cola/permits/1150916823_1617719494.06/0/stateless4j-2-5-0-sources-6-
    jar/com/github/oxo42/stateless4j/OutVar.java
    */opt/cola/permits/1150916823_1617719494.06/0/stateless4j-2-5-0-sources-6-
    jar/com/github/oxo42/stateless4j/delegates/FuncBoolean.java

1.2628 slf4j 1.7.25
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*/

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* /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-
  zip/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-
  zip/org/slf4j/Logger.java
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

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David Megginson, david@megginson.com
2000-05-05
package com.amazonaws.services.s3.model;

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * [AccessControlList]. Only a limited set of permission are available;
 * each one is represented as a value in this enumeration.
 */

public enum Permission {

    /**
     * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
     * It does not convey additional rights and is provided only for
     * convenience.
     */
    FullControl("FULL_CONTROL", "x-amz-grant-full-control"),

    /**
     * Grants permission to list the bucket when applied to a bucket.
     * Grants permission to read object data
     * and/or metadata when applied to an object.
     */
    Read("READ", "x-amz-grant-read"),

    /**
     * Grants permission to create, overwrite, and
     * delete any objects in the bucket.
     */
}
* This permission is not supported for objects.
* </p>
*/
Write("WRITE", "x-amz-grant-write"),

/**
* Grants permission to read the ACL for the applicable bucket or object.
* </p>
* The owner of a bucket or object always implicitly has this permission.
* </p>
*/
ReadAcp("READ_ACP", "x-amz-grant-read-acp"),

/**
* Gives permission to overwrite the ACP for the applicable bucket or
* object.
* </p>
* The owner of a bucket or object always has this permission implicitly.
* </p>
* </p>
* Granting this permission is equivalent to granting <code>FULL_CONTROL</code> because
* the grant recipient can make any changes to the ACP.
* </p>
*/
WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

private Permission(String permissionString, String headerName) {
    this.permissionString = permissionString;
    this.headerName = headerName;
}

/**
* Returns the name of the header used to grant this permission.
*/
public String getHeaderName() {
    return headerName;
}

/**
* Gets the string representation of this permission object as defined by
* Amazon S3, eg. <code>FULL_CONTROL</code>.
* @return The string representation of this permission object as defined by
* Amazon S3, eg. <code>FULL_CONTROL</code>.
*/
public String toString() {
    return permissionString;
}

/**
 * Returns the { @link Permission} enumeration value representing the specified Amazon S3 Region ID string. If specified string doesn't map to a known Amazon S3 Region, returns <code>null</code>.
 *
 * @param str
 *            A string representation of an Amazon S3 permission, eg. <code>FULL_CONTROL</code>
 *
 * @return The { @link Permission} object represented by the given permission string, Returns <code>null</code> if the string isn't a valid representation of an Amazon S3 permission.
 */

public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }
    return null;
}

1.2637 hibernate 3.6.3.Final

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Support for the oracle proprietary join syntax...

1.2638 activemq-console 5.4.2

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1.2657 classmate 1.1.0

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Other developers who have contributed code are:

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  lib/gssapi/mechglue/g_accept_sec_context.c
  lib/gssapi/mechglue/g_acquire_cred.c
  lib/gssapi/mechglue/g_canon_name.c
  lib/gssapi/mechglue/g_compare_name.c
  lib/gssapi/mechglue/g_context_time.c
  lib/gssapi/mechglue/g_delete_sec_context.c
  lib/gssapi/mechglue/g_dsp_name.c
  lib/gssapi/mechglue/g_dsp_status.c
  lib/gssapi/mechglue/g_dup_name.c
  lib/gssapi/mechglue/g_exp_sec_context.c
  lib/gssapi/mechglue/g_export_name.c
  lib/gssapi/mechglue/g_glue.c
  lib/gssapi/mechglue/g_imp_name.c
  lib/gssapi/mechglue/g_imp_sec_context.c
  lib/gssapi/mechglue/g_init_sec_context.c
  lib/gssapi/mechglue/g_initialize.c
  lib/gssapi/mechglue/g_inquire_context.c
  lib/gssapi/mechglue/g_inquire_cred.c
  lib/gssapi/mechglue/g_inquire_names.c
  lib/gssapi/mechglue/g_process_context.c
  lib/gssapi/mechglue/g_rel_buffer.c
  lib/gssapi/mechglue/g_rel_cred.c
  lib/gssapi/mechglue/g_rel_name.c
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  lib/gssapi/mechglue/g_utils.c
  lib/gssapi/mechglue/g_verify.c
  lib/gssapi/mechglue/gssd_pname_to_uid.c
  lib/gssapi/mechglue/mglueP.h
  lib/gssapi/mechglue/oid_ops.c
  lib/gssapi/spnego/gssapiP_spnego.h
  lib/gssapi/spnego/spnego_mech.c

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### Installation
# Package managers

## [npm](https://www.npmjs.com/)

```sh
```
```
```

## [bower](http://bower.io/)

```sh
```
```
```

## [Duo](http://duojs.org/)

```javascript
```
```
```

## Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

## API

### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```javascript
```
```
```

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var assert = require('assert')

var firstAST = {
  left: { license: 'LGPL-2.1' },
  conjunction: 'or',
  right: {
    left: { license: 'BSD-3-Clause' },
    conjunction: 'and',
    right: { license: 'MIT' } }
}

assert.deepEqual(
  parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
  firstAST);
```
var secondAST = {
left: { license: 'MIT' },
conjunction: 'and',
right: {
left: {
license: 'LGPL-2.1',
plus: true },
conjunction: 'and',
right: { license: 'BSD-3-Clause' } ] }

assert.deepEqual(
parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
secondAST)

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
assert.deepEqual(
parse(id),
{ license: id })
require('spdx-exceptions').forEach(function(e) {
assert.deepEqual(
parse(id + ' WITH ' + e),
{ license: id, exception: e }) }) })

---

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var assert = require('assert');

assert.equal(correct('mit'), 'MIT')

assert.equal(correct('Apache 2'), 'Apache-2.0')

assert(correct('No idea what license') === null)
```
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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
=======================================================================
Copyright (C) 2012 by Jun Woong.
This package is a JavaScript porting of `wcwidth()` implementation

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```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:

```javascript
```

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
```

Open Source Used In Virtualized Voice Browser 12.6(1) 35451
```javascript
var assert = require('assert');
var validSPDXExpression = {
  validForNewPackages: true,
  validForOldPackages: true,
  spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);

The function will return a warning and suggestion for nearly-correct license identifiers:

```javascript
assert.deepEqual(valid('Apache 2.0'),
{
validForOldPackages: false,
validForNewPackages: false,
warnings: [
'license should be ' +
'a valid SPDX license expression (without "LicenseRef"), ' +
'"UNLICENSED", or ' +
'"SEE LICENSE IN <filename>"',
'license is similar to the valid expression "Apache-2.0"'
]
}
);
```  

SPDX expressions are valid, too ...

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(valid('(GPL-3.0 OR BSD-2-Clause)'),
validSPDXExpression);
```

... except if they contain `LicenseRef`:

```javascript
var warningAboutLicenseRef = {
validForOldPackages: false,
validForNewPackages: false,
```
If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
valid('SEE LICENSE IN LICENSE.txt'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'LICENSE.txt'
}
);

assert.deepEqual(
valid('SEE LICENSE IN license.md'),
{
  validForNewPackages: true,
  validForOldPackages: true,
  inFile: 'license.md'
}
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
var unlicensed = {
  validForNewPackages: true,
```
validForOldPackages: true,
unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
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1.2670 jackson 1.9.2

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1.2673 libnotify 0.7.7 1.el7

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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

Akemi Matsuno-Yagi
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Eclipse

The following artifacts are EPL.
  * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
  * org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
  * org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 * Rob Earhart
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1.2682 jetty-continuation 7.5.4.v20111024

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Archiver-Version: Plexus Archiver
Created-By: Apache Maven Bundle Plugin
Built-By: jesse
Build-Jdk: 1.6.0_26
Implementation-Vendor: Eclipse.org - Jetty
1.2683 netty-resolver 4.1.51.Final
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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/NoopAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/NameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/NoopNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/package-info.java

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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/HostsFileEntries.java

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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/InetNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/HostFileParser.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/CompositeNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/AddressResolver.java

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1.2685 libpipeline 1.2.3 3.el7

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### 1.2690 libcgrou 0.41-13.el7

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From RPM File Metadata:GPLv3+ and LGPLv2+

1.2697 libjpeg 8b

1.2697.1 Notifications :
This software is based in part on the work of the Independent JPEG Group.

1.2697.2 Available under license :
The Independent JPEG Group's JPEG software
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README for release 9c of 14-Jan-2018
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This distribution contains the ninth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and
This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJJ is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
ACKNOWLEDGMENTS Special thanks.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.
OVERVIEW

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

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These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

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We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium.
but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent (now expired), GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

REFERENCES
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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PDF file containing a revised version of Wallace's article is available at http://www.ijg.org/files/Wallace.JPEG.pdf. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential
of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.


IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, version 2. JFIF version 1 has been adopted as Recommendation ITU-T T.871 (05/2011) : Information technology - Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF). It is available as a free download in PDF file format from http://www.itu.int/rec/T-REC-T.871. A PDF file of the older JFIF document is available at http://www.w3.org/Graphics/JPEG/jfif3.pdf.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.ijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS
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The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as


If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

ACKNOWLEDGMENTS

Thank to Juergen Bruder for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (previously known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.

Thank to Hendrik Elstner, Roland Fassauer, Simone Zuck, Guenther Maier-Gerber, Walter Stoeber, Fred Schmitz, and Norbert Braunagel for corresponding business development.

Thank to Nico Zschach and Dirk Stelling of the technical support team at the Digital Images company in Halle for providing me with extra equipment for configuration tests.

Thank to Richard F. Lyon (then of Foveon Inc.) for fruitful communication about JPEG configuration in Sigma Photo Pro software.

Thank to Andrew Finkenstadt for hosting the ijg.org site.

Thank to Thomas G. Lane for the original design and development of
this singular software package.

Thank to Lars Goehler, Andreas Heinecke, Sebastian Fuss, Yvonne Roebert, Andrej Werner, and Ulf-Dietrich Braumann for support and public relations.

FILE FORMAT WARS
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The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.

IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.

We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification.

Furthermore, the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.

One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code.

The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties.

We have no sympathy for the release of misleading, incorrect and illegal distributions derived from obsolete code bases.

Don't use an obsolete code base!

According to the UCC (Uniform Commercial Code) law, IJG has the lawful and
legal right to foreclose on certain standardization bodies and other
institutions or corporations that knowingly perform substantial and
systematic deceptive acts and practices, fraud, theft, and damaging of the
value of the people of this planet without their knowing, willing and
intentional consent.
The titles, ownership, and rights of these institutions and all their assets
are now duly secured and held in trust for the free people of this planet.
People of the planet, on every country, may have a financial interest in
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IJG asserts what is: that each man, woman, and child has unalienable value
and rights granted and deposited in them by the Creator and not any one of
the people is subordinate to any artificial principality, corporate fiction
or the special interest of another without their appropriate knowing,
willing and intentional consent made by contract or accommodation agreement.
IJG expresses that which already was.
The people have already determined and demanded that public administration
entities, national governments, and their supporting judicial systems must
be fully transparent, accountable, and liable.
IJG has secured the value for all concerned free people of the planet.

A partial list of foreclosed institutions and corporations ("Hall of Shame")
is currently prepared and will be published later.

TO DO
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Version 9 is the second release of a new generation JPEG standard
to overcome the limitations of the original JPEG specification,
and is the first true source reference JPEG codec.
More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

1.2698 libnl3 1.1.4 3.el7
1.2698.1 Available under license :
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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL.  It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.7, May 2nd, 2012

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950
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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-
jar/io/netty/util/internal/logging/Log4JLogger.java
*/

jar/io/netty/util/internal/logging/CommonsLogger.java

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*/

jar/io/netty/util/internal/ObjectUtil.java
*/

jar/io/netty/util/collection/IntObjectMap.java
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jar/io/netty/util/collection/IntObjectHashMap.java

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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-
jar/io/netty/util/internal/logging/FormattingTuple.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-
jar/io/netty/util/internal/logging/MessageFormatter.java

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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/chmv8/ConcurrentHashMapV8.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/chmv8/ForkJoinTask.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/chmv8/ForkJoinPool.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/chmv8/ForkJoinWorkerThread.java

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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/package-info.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/MpscLinkedQueueNode.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/MpscLinkedQueuePad0.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/NativeLibraryLoader.java
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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/ThreadDeathWatcher.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/MpscLinkedQueueHeadRef.java
* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
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* /opt/cola/permits/1068382713_1611892058.42/0/netty-common-4-0-27-final-sources-jar/io/netty/util/internal/MpscLinkedQueueTailRef.java

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Manifest-Version: 1.0
Export-Package: io.netty.util;version="4.0.27.Final",io.netty.util.collection;version="4.0.27.Final",io.netty.util.concurrent;uses="$io.netty.util.internal";version="4.0.27.Final",io.netty.util.concurrent;uses:="io.netty.util,io.netty.util.concurrent,javassist";version="4.0.27.Final",io.netty.util.internal.chmv8;version="4.0.27.Final",io.netty.util.internal.logging;version="4.0.27.Final"
Built-By: norman
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Common
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_75
Bundle-Version: 4.0.27.Final
Bnd-LastModified: 1427990819383
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.common
Bundle-DocURL: http://netty.io/
Archiver-Version: Plexus Archiver

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1.2712 spring-web-mvc 3.0.3.RELEASE

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XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

The XSLT Source object is supplied as a parameter in the model and then a specific entry in the model via the `@link #setSourceKey sourceKey` property or have Spring locate the Source object. This class also provides basic conversion of objects into Source implementations. See `@link #getSourceTypes() here` for more details.

All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure `@link #setOutputProperties output properties` to be passed to the Transformer.

@link @author Rob Harrop
@link @author Juergen Hoeller
@link @since 2.0

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  * /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
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  * /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityLayoutViewResolver.java

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(Ljava/lang/Object;)V
getName()Ljava/lang/String;
(Ljava/lang/Object;)Z
getActions<init>(Ljava/lang/String;)V
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java/lang/Objectjava/security/acl/Permission()Ljava/lang/String;equals(Ljava/lang/Object;)ZtoString

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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
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will operate properly with a modified version of the library, if
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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END OF TERMS AND CONDITIONS
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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Ty Coon, President of Vice

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined
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the Library and of the other library facilities is otherwise
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a) Accompany the combined library with a copy of the same work
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facilities. This must be distributed under the terms of the
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b) Give prominent notice with the combined library of the fact
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1.2723 hk2-utils 2.3.0-b10

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1.2724 xsd

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    src/manual/en_US/figures/model2sketch.png
    src/manual/en_US/figures/overview.png
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Mesa 3-D graphics library
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1.2769 jackson-module-parameter-names

2.12.0

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1.2771 json-smart 2.1.1

1.2772 iproute 3.10.0 54.el7
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1.2773 oauth-consumer 20090617

1.2774 okio 1.15.0
1.2775 bash 4.2.46 19.el7

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From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi.  I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you’d let
>me distribute them with bash-2.0.  Thanks.

Sure.  I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz.  There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
}
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR

} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}--
} "The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve UniversityInternet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey

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 */
Reviews the <code>Object</code> returned from a secure object invocation, being able to modify the <code>Object</code> or throw an `AccessDeniedException`.

Typically used to ensure the principal is permitted to access the domain object instance returned by a service layer bean. Can also be used to mutate the domain object instance so the principal is only able to access authorised bean properties or <code>Collection</code> elements.

Special consideration should be given to using an <code>AfterInvocationManager</code> on bean methods that modify a database. Typically an <code>AfterInvocationManager</code> is used with read-only methods, such as <code>public DomainObject getId(id)</code>. If used with methods that modify a database, a transaction manager should be used to ensure any <code>AccessDeniedException</code> will cause a rollback of the changes made by the transaction.

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*/
/**
 * Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest Algorithm.
 */
/*
 * @author Alan Stewart
 */

/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be checked. May be null
 * in which case implementations should return false, as the null condition can be checked explicitly
 * in the expression.
 * @param permission a representation of the permission object as supplied by the expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

/*
 */

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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/intercept/RunAsManager.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/authentication/AbstractAuthenticationToken.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/authentication/jaas/SecurityContextLoginModule.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/authentication/rcp/RemoteAuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/ConfigAttributeEditor.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/authentication/AuthenticationTrustResolverImpl.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/event/AuthenticationFailureProviderNotFoundEvent.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/AuthorizationServiceException.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/annotation/SecuredAnnotationSecurityMetadataSource.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/dao/SystemWideSaltSource.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/dao/AbstractUserDetailsAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/AccessDeniedException.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/authentication/encoding/PlaintextPasswordEncoder.java
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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/AffirmativeBased.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/AuthenticatedVoter.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/InterfaceBasedLabelParameterStrategy.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/LabelBasedAclVoter.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/LabelParameterStrategy.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/LabelBasedVoter.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/LabelVoter.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/intercept/LabelVoter.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/intercept/AbstractAuthorizationEvent.java
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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/Authentication.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/memory/InMemoryDaoImpl.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/authority/GrantedAuthorityImpl.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/cache/NullUserCache.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/authentication/rcp/RemoteAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/core/SessionInformation.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/vote/LabeledData.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/core/userdetails/memory/UserMapEditor.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/authentication/encoding/BaseDigestPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/event/PublicInvocationEvent.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/access/event/AuthenticationCredentialsNotFoundEvent.java

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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1.jar/org/springframework/security/authentication/encoding/Md4PasswordEncoder.java
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```java
/**
 * A token issued by {@link TokenService}.
 *
 * It is important that the keys assigned to tokens are sufficiently randomised and secured that
 * they can serve as identifying a unique user session. Implementations of {@link TokenService}
 * are free to use encryption or encoding strategies of their choice. It is strongly recommended that
 * keys are of sufficient length to balance safety against persistence cost. In relation to persistence
 * cost, it is strongly recommended that returned keys are small enough for encoding in a cookie.
 *
 * @author Ben Alex
 * @since 2.0.1
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1 jar/org/springframework/security/core/token/Token.java

1.2791 bouncy-castle 1.60

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- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================

Kibaale Children's Centre*kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up
needs to be improved. KCC helps schools to improve their teaching methods.
There is a demonstration school at the centre and teacher trainings are given.
Health workers are being trained, hygiene education is carried out and
households are stimulated to build a proper latrine. I helped setting up a
production site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a small clinic at the project, which provides children and their
family with medical help. When needed, transport to a hospital is offered.
Immunization programs are carried out and help is provided when an epidemic is
breaking out (measles and cholera have been a problem).

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a
volunteer. I have helped to expand the centre and worked in the area of water
and sanitation. I learned that the help that the KCC provides really helps.
When I came back to Holland, I wanted to continue supporting KCC. To do this
I'm raising funds and organizing the sponsorship program. Please consider one
of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are
very low. This is because the money goes directly to the centre. Less than
5% is used for administration. This is possible because this is a small
organization that works with volunteers. If you would like to sponsor a
child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my
personal guarantee as the author of Vim. I trust the people that are working
at the centre, I know them personally. Further more, the centre has been
co-sponsored and inspected by World Vision, Save the Children Fund and is now
under the supervision of Pacific Academy Outreach Society. The centre is
visited about once a year to check the progress (at our own cost). I have
visited the centre myself many times, starting in 1993. The visit reports are
on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*
Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used. Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt. For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship. Kibaale Children's Fund c/o Pacific Academy 10238-168 Street Surrey, B.C. V4N 1Z4 Canada Phone: 604-581-5353 If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774 IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

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Switzerland
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1.2799 axiom-dom 1.2.7

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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/backportconcurrent/ThreadPoolTaskExecutor.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/support/SimpleTriggerContext.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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jar/org/springframework/instrument/classloading/jboss/JBossClassLoaderAdapter.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/assembler/MethodExclusionMBeanInfoAssembler.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/validation/BindingResultUtils.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/ejb/config/LocalStatelessSessionBeanDefinitionParser.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/stereotype/Controller.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources.jar/org/springframework/stereotype/Controller.java
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jar/org/springframework/scheduling/backportconcurrent/CustomizableThreadFactory.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
jar/org/springframework/ui/context/support/SimpleTheme.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
jar/org/springframework/ejb/support/AbstractStatelessSessionBean.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3.0-3-release-sources-
jar/org/springframework/context/event/ContextStartedEvent.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
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jar/org/springframework/jmx/export/validation/MessageCodesResolver.java
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jar/org/springframework/context/ApplicationEventPublisherAware.java
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jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/context/MessageSourceAware.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/jmx/export/annotation/ManagedOperation.java
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jar/org/springframework/jmx/export/metadata/ManagedOperation.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/context/i18n/LocaleContext.java
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jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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jar/org/springframework/context/ApplicationEventPublisher.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
jar/org/springframework/jmx/export/assembler/AutodetectCapableMBeanInfoAssembler.java
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jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
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/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the <code>MBeanServer</code> for bean references.
 * This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
 * @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/remoting/rmi/RemoteInvocationSerializingExporter.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/remoting/RemoteAccessException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/jmx/support/NotificationListenerHolder.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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  jar/org/springframework/context/support/StaticMessageSource.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/validation/BindException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
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  jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/annotation/ConfigurationClassParser.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
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1.2805 cyrus-sasl 2.1.26-21.el7

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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<one line to give the program's name and a brief idea of what it does.>
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Version 3, 29 June 2007

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  jar/org/apache/xerces/impl/dv/xs/ListDV.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/SAXParserFactoryImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/ChildNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/NamespaceSupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/ElementPSVImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/XPath.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/models/CMAny.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/SynchronizedSymbolTable.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/EncodingInfo.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/AugmentationsImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/grammars/XMLGrammarPool.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/SynchronizedSymbolTable.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XMLSchemaException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/EntityResolverWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/NamespaceContext.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/RevalidationHandler.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DOMErrorImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/opts/IDFDSV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/parser/XMLDTDContentModelFilter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/ValidationContext.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xpath/XPathException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/IntegratedParserConfiguration.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XML11NSDTDValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DocumentFragmentImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XML11DTDValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/models/XSAllCM.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/XHTMLSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDocumentFragmentScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLErrorReporter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/HTMLSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XML11Char.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLScanner.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredDocumentImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XMLDTDProcessor.java

jar/org/apache/xerces/impl/xs/util/XSObjectListImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/dom/WMLImgElementImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/dom/WMLUElementImpl.java
jar/org/apache/wml/dom/WMLStrongElementImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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jar/org/apache/html/dom/HTMLLinkElementImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/wml/dom/WMLOneventElementImpl.java
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jar/org/apache/wml/dom/WMLElementImpl.java
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jar/org/apache/wml/dom/WMLDOMImplementationImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xni/grammars/XMLSchemaDescription.java

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  jar/org/apache/xerces/impl/xs/XSParticleDecl.java

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*/opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSAttributeChecker.java
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*/opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/util/XSNamedMapImpl.java
*/opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/util/XSNamedMap4Types.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredDOMImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xs/AnyAtomicDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/ExternalSubsetResolver.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLEntityDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xs/PrecisionDecimalDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSAnnotationInfo.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/util/SAXMessageFormatter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/io/MalformedByteSequenceException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/io/ByteListImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XML11Configurable.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xml/XMLEntityDescriptionImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSLoaderImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDTSScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/AttrNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSGroupDecl.java
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/**
* DOM Level 3 LS CR - Experimental.

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* Create a new `<code>LSParser</code>`. The newly constructed parser may
* then be configured by means of its `<code>DOMConfiguration</code>`
* object, and used to parse documents by means of its `<code>parse</code>`
* method.
* @param mode  The `<code>mode</code>` argument is either
*   `<code>MODE_SYNCHRONOUS</code>` or `<code>MODE_ASYNCHRONOUS</code>`, if
*   `<code>mode</code>` is `<code>MODE_SYNCHRONOUS</code>` then the
*   `<code>LSParser</code>` that is created will operate in synchronous
*   mode, if it's `<code>MODE_ASYNCHRONOUS</code>` then the
*   `<code>LSParser</code>` that is created will operate in asynchronous
*   mode.
* @param schemaType  An absolute URI representing the type of the schema
*   language used during the load of a `<code>Document</code>` using the
*   newly created `<code>LSParser</code>`. Note that no lexical checking
*   is done on the absolute URI. In order to create a
*   `<code>LSParser</code>` for any kind of schema types (i.e. the
*   `<code>LSParser` will be free to use any schema found), use the value
*   `<code>null</code>`.
* <p><b>Note:</b> For W3C XML Schema [<a href='http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/'>XML Schema Part 1</a>]
*   , applications must use the value
*   `<code>"http://www.w3.org/2001/XMLSchema"</code>`. For XML DTD [<a href='http://www.w3.org/TR/2000/REC-xml-20001006'>XML 1.0</a>],
*   applications must use the value
*   `<code>"http://www.w3.org/TR/REC-xml"</code>`. Other Schema languages
*   are outside the scope of the W3C and therefore should recommend an
*   absolute URI in order to use this method.
* @return  The newly created `<code>LSParser</code>` object. This
*   `<code>LSParser</code>` is either synchronous or asynchronous
*   depending on the value of the `<code>mode</code>` argument.
* <p><b>Note:</b> By default, the newly created `<code>LSParser</code>`
*   does not contain a `<code>DOMErrorHandler</code>`, i.e. the value of
*   the "<a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler'>error-handler</a>"
*   configuration parameter is `<code>null</code>`. However, implementations
*   may provide a default error handler at creation time. In that case,
*   the initial value of the `<code>error-handler</code>` configuration
*   parameter on the new created `<code>LSParser</code>` contains a
*   reference to the default error handler.
* @exception DOMException
*   NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
*   not supported.
*/

Found in path(s):
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/CoreDOMImplementationImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/opti/DefaultText.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDAbstractIDConstraintTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/identity/IdentityConstraint.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/BasicParserConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/models/XSEmptyCM.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/opti/TextImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/NonValidatingConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/XMLLocator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/util/ErrorHandlerWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/DTDParserFactory.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/DOMEntityResolverWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/SAXSVOMapper.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/PSVIAttrNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/PSVIElementNSImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XML11DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/datatypes/XSDouble.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xs/YearMonthDurationDV.java
jar/org/apache/xerces/impl/dv/xs/TimeDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/MonthDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/DateDV.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSLoader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSObject.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSMultiValueFacet.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xx/util/XSGrammarPool.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/util/SecurityManager.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/ElementPSVI.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSAnnotation.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/LSInputList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSNamedMap.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSNamespaceItemList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/PSVIProvider.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/ShortList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSTerm.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSObjectList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSImplementation.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/ListItemPSVI.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/StringList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSTypeDefinition.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/regex/ParserForXMLSchema.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDocumentScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XMLGrammarParser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/RangeImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XMLDTDValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XML11DTDScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLEntityManager.java

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cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution". During validation against this schema, ambiguity would be created for those two particles.

Found in path(s):
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XMLDTDLoader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/DOMSerializerImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLIElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLStrongElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLEmElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLSelectElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLTrElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLDoElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLDOMImplementation.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLCardElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLMetaElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/html/dom/HTMLBuilder.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMFFieldsetElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLSetvarElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLTemplateElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/html/dom/HTMLDOMImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLGoElement.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSDDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/impl/XMLResourceIdentifierImpl.java
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/
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/impl/dv/dtd/NMTOKENDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/impl/xpath/regex/RangeToken.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xml/serialize/XML11Serializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xml/serialize/BaseMarkupSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/impl/dtd/XML11DTDProcessor.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/jaxp/SAXParserImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/jaxp/SAXParserImpl.java
jar/org/apache/xerces/parsers/DOMParserImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/parsers/StandardParserConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/opti/SchemaDOM.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/identity/Field.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xx/FloatDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/traversers/XSDElementTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/parsers/AbstractDOMParser.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSAttributeDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSElementDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSFacet.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSModelGroupDefinition.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/ XSIDCDefinition.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSWildcard.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSComplexTypeDefinition.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSNotationDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSModelGroup.java
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    jar/org/apache/xerces/dom/NodeImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom/TreeWalkerImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/impl/xs/XSAttributeUseImpl.java
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    jar/org/apache/xerces/dom/ElementImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom/EntityImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom/NotationImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/impl/dtd/XMLEntityDecl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/impl/msg/XMLMessageFormatter.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/impl/dtd/XMLElementDecl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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    jar/org/apache/xerces/dom/NotationImpl.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/impl/dtd/XMLEntityDecl.java
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    jar/org/apache/xerces/impl/msg/XMLMessageFormatter.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DOMImplementationImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredAttrImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/IDREFDatatypeValidator.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xml/serialize/TextSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/IDREFDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredAttrImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredElementDefinitionImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/XMLNotationDecl.java
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  jar/org/springframework/aop/interceptor/JdkRegexpMethodPointcut.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/interceptor/ScopedProxyFactoryBean.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/IntroductionInfoSupport.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/Advised.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/IntroductionInterceptor.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/support/DelegatingIntroductionInterceptor.java
* /opt/cola/permissions/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/autoproxy/BeanFactoryAdvisorRetrievalHelper.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/aop/support/DefaultIntroductionAdvisor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/ProxyCreatorSupport.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/AspectJAdviceParameterNameDiscoverer.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/interceptor/CustomizableTraceInterceptor.java
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/autoproxy/target/AbstractBeanFactoryBasedTargetSourceCreator.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/config/AdvisorComponentDefinition.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/AspectJPointcutAdvisor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/adapter/DefaultAdvisorAdapterRegistry.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/config/ConfigBeanDefinitionParser.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectJAdvisorsBuilder.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/adapter/ThrowsAdviceInterceptor.java
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
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  jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/support/RootClassFilter.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/MethodBeforeAdvice.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/target/ThreadPoolTargetSourceStats.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/target/PointcutAdvisor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
  jar/org/springframework/aop/target/PoolingConfig.java

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1.2825 jetty-servlet 7.1.6.v20100715

1.2826 jetty-security 7.5.4.v20111024

1.2827 e2fsprogs 1.42.9 13.el7
1.2827.1 Available under license :

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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It is part of the main e2fsprogs distribution, which can be found at:

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*/
Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
*/
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
The most recent officially distributed version can be found at http://e2fsprogs.sourceforge.net. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the hg or git repository from the development branch, please contact me (tytso@mit.edu) before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Gadi Oxman, August 1995

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1.2828 mdadm 4.1 rc1_2.el7

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1.2834 xmlsec 1.2.20-7.el7_4

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References
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* AOL
http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

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1.2835 commons-digester 1.6
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* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/plugins/strategies/LoaderFromStream.java

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  jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltMethod.java
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* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/parser/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/plugins/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/xmlrules/package.html
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/xmlrules/digester-rules.dtd
* /opt/cola/permits/1136489739_1613774324.47/0/commons-digester-1-6-sources-1-jar/org/apache/commons/digester/package.html
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  jar/org/apache/commons/digester/FactoryCreateRule.java
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jar/org/apache/commons/digester/AbstractObjectCreationFactory.java
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1.2836 jackson-module-parameter-names

2.10.2

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/Platform.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/TreeBasedTable.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/eventbus/Subscriber.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/graph/Traverser.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/graph/AbstractBaseGraph.java
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 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/util/concurrent/Platform.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/util/concurrent/AsyncCallable.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/hash/LittleEndianByteArray.java
 * /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ConsumingQueueIterator.java

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/
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/hash/Striped64.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/cache/LongAdder.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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*/
/**
* Holder for extra methods of {code Objects} only in web. Intended to be empty for regular
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*/

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*/
/**
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/internal/Collect implementation/EvictingQueue.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/internal/Collect implementation/ForwardingImmutableList.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableSet.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/Verify.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/io/CharSequenceReader.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/FilteredMultimapValues.java

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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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jar/com/google/common/hash/ChecksumHashFunction.java
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jar/com/google/common/reflect/Parameter.java
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jar/com/google/common/io/BaseEncoding.java
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jar/com/google/common/base/StandardSystemProperty.java
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jar/com/google/common/hash/AbstractByteHasher.java
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jar/com/google/common/io/FileWriteMode.java
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jar/com/google/common/html/package-info.java
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jar/com/google/common/math/PairedStatsAccumulator.java
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/**
* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
* key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.
*
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link
* ImmutableSortedMap#of(Comparable, Object)}.</b>
*/

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/JdkPattern.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/base/PatternCompiler.java
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jar/com/google/common/graph/EdgesConnecting.java
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jar/com/google/common/graph/NetworkBuilder.java
*/opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/ConfigurableMutableNetwork.java
*/opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/CollectCollectors.java
*/opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/EndpointPairIterator.java

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jar/com/google/common/collect/RegularImmutableSortedMultiset.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/SortedIterables.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/Count.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/AbstractRangeSet.java

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jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/primitives/Bytes.java

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jar/com/google/common/collection/ContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/annotations/package-info.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/primitives/package-info.java
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jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/base/Strings.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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  jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/annotations/Beta.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/graph/Graphs.java

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jar/com/google/common/collect/Sets.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/ForwardingMap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/MutableClassToInstanceMap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ForwardingCollection.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/LinkedHashMultiset.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/AbstractMapBasedMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/Multimaps.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/Multiset.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/primitives/Primitives.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/io/Resources.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/base/Supplier.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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  jar/com/google/common/hash/AbstractHashFunction.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/primitives/ImmutableIntArray.java

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QLogic Linux Fibre Channel HBA Driver

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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com) */
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*  
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
*interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
*and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
*loss of link, and correctly re-enable PHY when link is
*re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

Open Source Used In Virtualized Voice Browser 12.6(1) 36842
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997 $Revision: 1.1 $ $Date: 1999/08/20 11:00:11 $

* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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*
* M. Welsh, 6 July 1996

*/
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That's all there is to it!
Thanks go to the following people for patches and contributions:

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for the initial saa7146 driver and it's recent overhaul

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for his work on the initial Linux DVB driver

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Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

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for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-jar/io/netty/handler/stream/package-info.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
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jar/io/netty/handler/stream/ChunkedInput.java
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jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/timeout/IdleState.java
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jar/io/netty/handler/timeout/IdleStateHandler.java
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jar/io/netty/handler/timeout/WriteTimeoutException.java
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jar/io/netty/handler/ssl/SslHandler.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/ssl/sslutil/package-info.java
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jar/io/netty/handler/ssl/package-info.java
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jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/timeout/TimeoutException.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/timeout/IdleState.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/timeout/WriteTimeoutException.java
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jar/io/netty/handler/logging/package-info.java
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jar/io/netty/handler/logging/LogLevel.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
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jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-
jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
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Manifest-Version: 1.0
Built-By: norman
Tool: Bnd-2.1.0.20130426-122213
Bundle-Name: Netty/Handler
Created-By: Apache Maven Bundle Plugin
Bundle-Vendor: The Netty Project
Build-Jdk: 1.7.0_75
Bundle-Version: 4.0.27.Final
Bnd-LastModified: 1427990994830
Bundle-ManifestVersion: 2
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Bundle-SymbolicName: io.netty.handler
Bundle-DocURL: http://netty.io/
Import-Package: sun.security.util;resolution=optional,sun.security.x509;resolution=optional,org.eclipse.jetty.npn;version="[1,2)";resolution=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution=optional,io.netty.buffer;version="[4.0.5)";io.netty.channel;version="[4.0
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* /opt/cola/permits/1111298397_1606896142.78/0/netty-handler-4-0-27-final-sources-jar/io/netty/handler/ssl/Util/OpenJdkSelfSignedCertGenerator.java
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That's all there is to it! Thanks go to the following people for patches and contributions:

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Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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   the module unloading problems, ...

Hans-Frieder Vogt <hfvogt@arcor.de>
   for his work on calculating and checking the crc's for the
   TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
   for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
   for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
   for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
   for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
   for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStar PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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*
* M. Welsh, 6 July 1996
*
*
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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty(buffer/AdvancedLeakAwareByteBuf.java

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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4.1.51-final-sources.jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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/**
 * Specifies that AutoValue should copy any annotations from the annotated element to the
 * generated class. This annotation supports classes and methods.
 *
 * <p>The following annotations are excluded:
 * 
 * <ol>
 * <li>AutoValue and its nested annotations;
 * <li>any annotation appearing in the {@link AutoValue.CopyAnnotations#exclude} field;
 * <li>any class annotation which is itself annotated with the {@link
 * java.lang.annotation.Inherited} meta-annotation.
 * </ol>
 *
 * <p>For historical reasons, annotations are always copied from an {code @AutoValue} property
* method to its implementation, unless [@code @CopyAnnotations] is present and explicitly
* [@linkplain CopyAnnotations#exclude excludes] that annotation. But annotations are not copied
* from the [@code @AutoValue] class itself to its implementation unless [@code @CopyAnnotations]
* is present.
*
* <p>If you want to copy annotations from your [@literal @]AutoValue-annotated class's methods to
* the generated fields in the AutoValue_-... implementation, annotate your method
* with [@literal @]AutoValue.CopyAnnotations. For example, if Example.java is:<pre>
*
*   [@code @]Immutable
*   [@code @]AutoValue
*   abstract class Example {
*     [@code @]CopyAnnotations
*     [@code @]SuppressWarnings("Immutable") // justification ...
*     abstract Object getObject();
*     // other details ...
*   }</pre>
*<p>
*<p>Then AutoValue will generate the following AutoValue_Example.java:<pre>
*
* final class AutoValue_Example extends Example {
*   [@code @]SuppressWarnings("Immutable")
*   private final Object object;
*   
*   [@code @]SuppressWarnings("Immutable")
*   [@code @]Override
*   Object getObject() {
*     return object;
*   }
*   
*   // other details ...
*   }</pre>
*<p>
*<p>When the <i>type</i> of an [@code @AutoValue] property method has annotations, those are
* part of the type, so by default they are copied to the implementation of the method. But if
* a type annotation is mentioned in [@code exclude] then it is not copied.
*<p>
*<p>For example, suppose [@code @Confidential] is a
* [@link java.lang.annotation.ElementType#TYPE_USE TYPE_USE] annotation:
*<p>
*<pre>
*   [@code @]AutoValue
*   abstract class Person {
*     static Person create([@code @]Confidential String name, int id) {
*       return new AutoValue_Person(name, id);
*     }
*   }
* </pre>
abstract {code @}Confidential String name();
abstract int id();
</pre>
*
Then the implementation of the {code name()} method will also have return type
{code @}Confidential String. But if {code name()} were written like this...
*
<pre>
*     {code @}AutoValue.CopyAnnotations(exclude = Confidential.class)
*     abstract {code @}Confidential String name();</pre>
*
then the implementation of {code name()} would have return type {code String} without
the annotation.
*
* @author Carmi Grushko
*/

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* /opt/ws_local/PERMITS_SQL/1049750746_1591356140.71/0/auto-value-annotations-1-7-sources-jar/com/google/auto/value/AutoValue.java

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1.2907 node-qrcode 1.2.0

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1.2908 util-linux 2.19.0

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```
<program> Copyright (C) <year> <name of author>
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```

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796db35f89d787c5c6f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
<!-}
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-->

<!- $Id$ -->

<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
nxmlns:xsl="http://www.w3.org/1999/XSL/Transform"
nxmlns:xi="http://www.w3.org/2001/XInclude"
nxmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at http://mozilla.org/MPL/2.0/.</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
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The actual DOM Java Language Binding classes in xml-commons came from:
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The original versions are tagged 'DOM_LEVEL_2'

The specification of DOM Level 2's various parts is at:
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   http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/
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David Megginson, david@megginson.com
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* /opt/ws_local/PERMITS_SQL/1046144844_1589880083.52/0/feign-jackson-10-7-4-sources-jar/META-INF/maven/io.github.openfeign/feign-jackson/pom.xml
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/UnrepeatableRequestBody.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/RealInterceptorChain.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/StreamResetException.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/cache2/Relay.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/WebSocketListener.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/platform/Jdk9Platform.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/tls/BasicTrustRootIndex.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/RetryAndFollowUpInterceptor.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/cache2/FileOperator.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/WebSocket.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/tls/BasicCertificateChainCleaner.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/tls/TrustRootIndex.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/Address.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/http/HttpCodec.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Challenge.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/ResponseBody.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/RequestBody.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/form/FormBody.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Call.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/CipherSuite.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/CipherSuite.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/MultipartBody.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/WebSocketWriter.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/RequestLine.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Handshake.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/NamedRunnable.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/RequestLine.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Hpack.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/Request.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/MediaType.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/ErrorCode.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/InternalCache.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/RouteSelector.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Dns.java

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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Reader.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Writer.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Connection.java

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* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-jar/org/springframework/beans/FatalBeanException.java
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**1.2923 nss 3.36.0-7.el7_5**

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1.2926 libmnl 1.0.3 7.el7

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1.2927 jersey-guice 1.19

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 */
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [@link ChannelPipeline].
*
* <h3>Sub-types</h3>
* <p>
* [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* </p>
Alternatively, the following adapter classes are provided for your convenience:

- `@link ChannelInboundHandlerAdapter` to handle inbound I/O events,
- `@link ChannelOutboundHandlerAdapter` to handle outbound I/O operations, and
- `@link ChannelDuplexHandler` to handle both inbound and outbound events.

For more information, please refer to the documentation of each subtype.

The context object

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `@link AttributeKey`)s which is specific to the handler.

State management

A `@link ChannelHandler` often needs to store some stateful information.

The simplest and recommended approach is to use member variables:

```
public interface Message {
    // your methods here
}

public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
}
```

...
Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See [{@link ChannelInitializer#initChannel(Channel)}].
public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
    {@code @Override}
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
    }
}
```

Using {@link AttributeKey}s

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use {@link AttributeKey}s which is provided by {@link ChannelHandlerContext}:

```java
public interface Message {
    // your methods here
}

{@code @Sharable}
public class DataServerHandler extends {@link SimpleChannelInboundHandler}<{@link Message}> {
    private final {@link AttributeKey}<{@link Boolean}> auth = {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        {@link Attribute}<{@link Boolean}> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
            if (<b>Boolean.TRUE.equals(attr.get())</b>) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
}```
Now that the state of the handler is attached to the `{@link ChannelHandlerContext}`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends `{@link ChannelInitializer}`<`@link Channel`> {
    private static final DataServerHandler `<b>SHARED</b>` = new DataServerHandler();

    `{@code @Override}`
    public void initChannel(`@link Channel` channel) {
        channel.pipeline().addLast("handler", `<b>SHARED</b>`);
    }
```

The `{@code @Sharable}` annotation

In the example above which used an `{@link AttributeKey}`, you might have noticed the `{@code @Sharable}` annotation.

If a `{@link ChannelHandler}` is annotated with the `{@code @Sharable}` annotation, it means you can create an instance of the handler just once and add it to one or more `{@link ChannelPipeline}s` multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like a href="http://www.javaconcurrencyinpractice.com/annotations/doc/" the JCIP annotations.</a>.

Additional resources worth reading

Please refer to the `{@link ChannelHandler}`, and `{@link ChannelPipeline}` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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```

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* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
jar/io/netty/channel/internal/package-info.java

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 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * View technologies that support this contract can obtain an instance to
 * delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */

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jar/org/springframework/web/servlet/mvc/support/DefaultHandlerExceptionResolver.java
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jar/org/springframework/web/servlet/mvc/annotation/ResponseStatusExceptionResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/tags/form/AbstractDataBoundFormElementTag.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/ModelAndView.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/view/jasperreports/JasperReportsMultiFormatView.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/view/jasperreports/JasperReportsViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
jar/org/springframework/web/servlet/view/tiles2/TilesConfigurer.java

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/ModelAndViewDefiningException.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/theme/SessionThemeResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/theme/CookieThemeResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/HtmlEscapeTag.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/config/annotation/DefaultServletHandlerConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/HandlerMethodExceptionResolverComposite.java

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/HandlerMethodExceptionResolverComposite.java
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XSLT-driven View that allows for response context to be rendered as the result of an XSLT transformation.

<p>The XSLT Source object is supplied as a parameter in the model and then a specific entry in the model via the setSourceKey property or have Spring locate the Source object. This class also provides basic conversion of objects into Source implementations. See here for more details.

All model parameters are passed to the XSLT Transformer as parameters. In addition the user can configure output properties to be passed to the Transformer.

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/LocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/multiaction/MethodNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/view/velocity/VelocityLayoutViewResolver.java

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
1.2934 tomcat-catalina-ha 9.0.37

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jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/1114168031_1607449140.68/0/netty-transport-native-epoll-4-0-25-final-sources-1-
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/CompileError.java
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/AccessorMaker.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/Javac.java
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ConstPool.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/LocalVariableAttribute.java
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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/stackmap/MapMaker.java
javalist/util/proxy/SerializedProxy.java
*/
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* javassist/bytecode/annotation/ByteMemberValue.java
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* javassist/bytecode/annotation/StringMemberValue.java
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### 1.2942 icu 53

#### 1.2942.1 Available under license:

```sh
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
```

---

Open Source Used In Virtualized Voice Browser 12.6(1) 37455
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.$(STATIC_O)
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.$(STATIC_O)
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.$(STATIC_O)
@echo "generating dependency information for $<"
@$(SHELL) -ec "$GEN_DEPS.c $< \n | sed "\s/([^\n])\n.o:[^\n].*o $@ : /g" > $@; \n [ -s $@ ] || rm -f $@

%.d: $(srcdir)/%.$(STATIC_O)
@echo "generating dependency information for $<"
@$(SHELL) -ec "$GEN_DEPS.cc $< \n | sed "\s/([^\n])\n.o:[^\n].*o $@ : /g" > $@; \n [ -s $@ ] || rm -f $@

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

1.2943 slf4j 1.6.4
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.
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 *
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Version: GnuPG v1.4.7 (MingW32)
iD8DBQFGA3nBuMWb5MEZZ6cRA8SAKCYuiBUmBuSWdWb/nGGMmamPeKBnwCg5lAC
RX52XCiKwhPJ5uZha54/d1Q=
=YNL5
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  type: String
  required: true
  pattern: Trial|Commercial

"License number":
  type: String
  required: true

"Licensee":
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  required: true

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  required: true
  range:
    min: 1

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"Edition":
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"Expiration date":
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Opensource capabilities:
  - roots
  - sessions
  - ehcache
  - quartz

Enterprise capabilities:
  - roots
  - sessions
  - Terracotta operator console
  - server striping
  - ehcache
  - quartz
  - authentication
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    - Terracotta operator console
    - authentication
    - ehcache
    - quartz
    - sessions
  FX:
    - roots
    - Terracotta operator console
    - authentication
    - ehcache
    - quartz
    - sessions
    - server striping
    - DCV2

Ehcache:
  EX:
    - Terracotta operator console
    - authentication
    - ehcache
  FX:
    - Terracotta operator console
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    - ehcache
- server striping
- DCV2

Quartz:
EX:
- Terracotta operator console
- authentication
- quartz
FX:
- Terracotta operator console
- authentication
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- server striping
- DCV2

Sessions:
EX:
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- authentication
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FX:
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<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
</tr>
</tbody>
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* /opt/ws_local/PERMITS_SQL/1000765161_1593638833.66/0/json-20070829-sources-jar-zip/json-20070829-
sources-jar/org/json/HTTP.java
* /opt/ws_local/PERMITS_SQL/1000765161_1593638833.66/0/json-20070829-sources-jar-zip/json-20070829-
sources-jar/org/json/XMLTokener.java
* /opt/ws_local/PERMITS_SQL/1000765161_1593638833.66/0/json-20070829-sources-jar-zip/json-20070829-
sources-jar/org/json/JSONTokener.java
* /opt/ws_local/PERMITS_SQL/1000765161_1593638833.66/0/json-20070829-sources-jar-zip/json-20070829-
sources-jar/org/json/JSONArray.java
* /opt/ws_local/PERMITS_SQL/1000765161_1593638833.66/0/json-20070829-sources-jar-zip/json-20070829-
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Version 2.1, February 1999

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.
Copyright (C) <year> <name of author>

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You should have received a copy of the GNU General Public License along with this program. If not, see <https://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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1.2983 libsepol 2.5 10.el7
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Version 2.1, February 1999

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Most GNU software, including some libraries, is covered by the
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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion
of it, thus forming a work based on the Library, and copy and
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a) The modified work must itself be a software library.

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charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

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exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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1.2984 coreutils 8.22 23.el7

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights are discussed in more detail below.

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---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ..., etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP License. Therefore, support for the reduce method has been removed.
The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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 *
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 *
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 *
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* (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
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Regarding the first stipulation, Mr. Smith was tracked down in southern
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May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
he has no objection to the Info-ZIP group's inclusion of his code.
His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten
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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBS in the source distribution for a much
more complete list of contributors.
The decompression core code for the deflate method (inflate.[ch],
eplode.c) was originally written by Mark Adler who submitted it
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/* Jackson JSON-processor.
 * 
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 */

Found in path(s):
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/JsonParser.java
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/util/ByteArrayBuilder.java
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/JsonGenerator.java
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/Base64Variant.java
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/JsonFactory.java
* /opt/cola/permits/1078139599_1604998177.62/0/jackson-core-asl-1-9-9-sources-jar/org/codehaus/jackson/Base64Variants.java

1.3001 jetty-io 9.4.31.v20200723
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
*javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-
  jar/org/hibernate/util/FastHashMap.java

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A decoder that splits the received \{@link ByteBuf\}s dynamically by the
value of the length field in the message. It is particularly useful when you
declare a binary message which has an integer header field that represents the
length of the message body or the whole message.

A decoder that splits the received \{@link ByteBuf\}s dynamically by the
value of the length field in the message. It is particularly useful when you
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length of the message body or the whole message.

The value of the length field in this example is \texttt{12 (0x0C)} which
represents the length of "HELLO, WORLD". By default, the decoder assumes
that the length field represents the number of the bytes that follows the
length field. Therefore, it can be decoded with the simplistic parameter
combination.

```
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 0 (= do not strip header)
```

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

```
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
```

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| Length | Actual Content |----->| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
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lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 0 (= do not strip header)
```

BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

```
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
```
Because we can get the length of the content by calling
[@link ByteBuf#readableBytes()], you might want to strip the length
field by specifying `<tt>initialBytesToStrip</tt>`. In this example, we
specified `<tt>2</tt>`, that is same with the length of the length field, to
strip the first two bytes.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment  = 0
initialBytesToStrip = 2 (= the length of the Length field)
```

BEFORE DECODE (14 bytes)   AFTER DECODE (12 bytes)
```
+--------+----------------+  +----------------+
| Length | Actual Content |  | Actual Content |
| 0x000C | "HELLO, WORLD" |  | "HELLO, WORLD" |
```

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthAdjustment<tt></tt>. Because the length value in this example message
is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
as `<tt>lengthAdjustment</tt>` for compensation.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2 (= the length of the Length field)
initialBytesToStrip = 0
```

BEFORE DECODE (14 bytes)   AFTER DECODE (14 bytes)
```
+--------+----------------+  +--------+----------------+
| Length | Actual Content |  | Length | Actual Content |
| 0x000E | "HELLO, WORLD" |  | 0x000E | "HELLO, WORLD" |
```

The following message is a simple variation of the first example. An extra
header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
again because the decoder always takes the length of the prepended data into
account during frame length calculation.
<b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* h3>3 bytes length field at the beginning of 5 bytes header, do not strip header
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first length field and the length field
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* 
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-------+--------+ | HDR1 | Length | HDR2 | Actual Content |
* +-------+--------+ | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |
* +-------+--------+ | 0xFE | "HELLO, WORLD" |
* +-------+--------+ | 0xFE | "HELLO, WORLD" |
* +-------+--------+ | 0xFE | "HELLO, WORLD" |

* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into lengthAdjustment.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.

* lengthFieldOffset = 1
* lengthFieldLength = 2
* initialBytesToStrip = 3

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +-------+--------+ | HDR1 | Length | HDR2 | Actual Content |
* +-------+--------+ | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |
* +-------+--------+ | 0xFE | "HELLO, WORLD" |

* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/cola/permissions/111416084_1607449134.85/0/netty-codec-4-0-25-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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*/

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* /opt/cola/permits/1114168084_1607449134.85/0/netty-codec-4-0-25-final-sources-1-
  jar/io/netty/handler/codec/base64/Base64Dialect.java
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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1.3047 tools-ant 1.8.1

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.
Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.
The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you’ve contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren’t intentionally leaving anyone out.
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Connector: HTTP Connector.
server: MObject:RO:The server for this connector
requestHeaderSize: The size of a request header buffer
requestBufferSize: The size of a request content buffer
responseHeaderSize: The size of a response header buffer
responseBufferSize: The size of a response content buffer
integralPort: Port to use for integral redirections
integralScheme: Scheme to use for integral redirections
confidentialPort: Port to use for confidential redirections
confidentialScheme: Scheme to use for confidential redirections
host: Host name to accept connections on
port: TCP/IP port to accept connections on
maxIdleTime: Maximum time in ms that a connection can be idle before being closed
statsOn: True if statistics collection is turned on.
statsOnMs: Time in milliseconds stats have been collected for.
statsReset(): Reset statistics.
connections: Number of connections accepted by the server since statsReset() called. Undefined if setStatsOn(false).
connectionsOpen: Number of connections currently open that were opened since statsReset() called. Undefined if setStatsOn(false).
connectionsOpenMax: Maximum number of connections opened simultaneously since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMean: Mean duration in milliseconds of open connections since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationStdDev: Standard deviation of duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMax: Maximum duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationTotal: Total duration in milliseconds of all open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMean: Mean number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsStdDev: Standard deviation of number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMax: Maximum number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
requests: Number of requests since statsReset() called. Undefined if setStatsOn(false).
open(): Open the listening port
close(): Close the listening port (but allow existing connections to continue for graceful shutdown)

Found in path(s):
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-
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/**
 * @return The result of calling {@link #getConnector}.{@link Connector#isConfidential(Request)
isConfidential(request), or false
  *
  * if there is no connector.
  */

Found in path(s):
  */opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1.jar/org/eclipse/jetty/server/HttpConnection.java
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/**
 * @see org.eclipse.jetty.server.Connector#getConfidentialPort()
 */
/**
 * @see org.eclipse.jetty.server.Connector#getConfidentialScheme()
 */
/**
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */
/**
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */
/**
 * @param confidentialPort
 * The confidentialPort to set.
 */
/**
 * @param confidentialScheme
 * The confidentialScheme to set.
 */

Found in path(s):
  */opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1.jar/org/eclipse/jetty/server/AbstractConnector.java
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* @return The port to use when redirecting a request if a data constraint of confidential is required. See {@linkplain org.eclipse.jetty.http.security.Constraint#getDataConstraint()}
*
/**
* @return The schema to use when redirecting a request if a data constraint of confidential is required. See {@linkplain org.eclipse.jetty.http.security.Constraint#getDataConstraint()}
*/
/**
* @param request A request
* @return true if the request is confidential. This normally means the https schema has been used.
*/

Found in path(s):
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/jetty/server/Connector.java
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* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/jetty/http/ssl/AliasedX509KeyManager.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/jetty/http/ssl/SslContextFactory.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/util/security/CertificateUtils.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/server/session/jmx/AbstractSessionManagerMBean.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/server/handler/jmx/AbstractHandlerMBean.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-jar/org/eclipse/util/security/CertificateValidator.java
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* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1.jar/org/eclipse/jetty/server/Response.java
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* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1.jar/org/eclipse/jetty/server/handler/ShutdownHandler.java
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1.jar/org/eclipse/jetty/util/resource/JarFileResource.java
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been
 * told about an confidential port, and said port is not our port, then
 * we're not. This allows separation of listeners providing INTEGRAL versus
 * CONFIDENTIAL constraints, such as one SSL listener configured to require
 * client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */

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/*
* @(#)UnixCrypt.java0.9 96/11/25
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/**

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/**
* Utf8 Appendable abstract base class
*
* This abstract class wraps a standard {@link java.lang.Appendable} and provides methods to append UTF-8
encoded bytes, that are converted into characters.
*
* This class is stateful and up to 4 calls to {@link #append(byte)} may be needed before state a character is
appended to the string buffer.
*
* The UTF-8 decoding is done by this class and no additional buffers or Readers are used. The UTF-8 code was
inspired by
* http://bjoern.hoehrmann.de/utf-8/decoder/dfa/
*
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been told about an
 * confidential port, and said port is not our port, then we're not. This allows separation of
 * listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
 * configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */
/**
 * By default, we're integral, given we speak SSL. But, if we've been told about an integral
 * port, and said port is not our port, then we're not. This allows separation of listeners
 * providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
 * require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
 * client certs providing mere INTEGRAL constraints.
 */

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* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-
jar/org/eclipse/jetty/server/ssl/SslSocketConnector.java
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/**
 * @param c Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
 *         2=DC_CONFIDENTIAL
 */
/**
 * @return Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
 *         2=DC_CONFIDENTIAL
 */

Found in path(s):
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-
jar/org/eclipse/jetty/http/security/Constraint.java
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AbstractConnector: Abstract implementation of the Connector interface.
acceptors: The number of acceptor threads.
acceptQueueSize: The size of the accept queue.
acceptorPriorityOffset: Priority offset of the acceptor threads. The priority is adjusted by this amount to either favor
the acceptance of new threads and newly active connections or to favor the handling of already dispatched
connections.
forwardedForHeader: The header name for forwarded for (default x-forwarded-for).
forwardedHostHeader: The header name for forwarded hosts (default x-forwarded-host)
forwardedServerHeader: The header name for forwarded server (default x-forwarded-server)
forwarded: Whether reverse proxy handling is on. True if this connector is checking the forwarded for/host/server
headers.
host: Host name of the server.
hostHeader: Forced value for the host header. Only used if forwarded is true.
soLingerTime: Enable or disable SO_LINGER with the specified linger time in seconds.
reuseAddress: Whether the server socket will be opened in SO_REUSEADDR mode.
name: Name of the connector.
resolveNames: Whether or not to use DNS when handling forwards.
confidentialPort: Port to use for confidential redirections.
confidentialScheme: Scheme to use for confidential redirections.
integralPort: Port to use for integral redirections.
integralScheme: Scheme to use for integral redirections.
lowResourcesMaxIdleTime: The period in ms that a connection may be idle when the connector has low resources,
before it is closed.

Found in path(s):
* /opt/cola/permits/1128912117_1612119293.01/0/jetty-server-7-5-4-v20111024-sources-1-
jar/org/eclipse/jetty/server/jmx/AbstractConnector-mbean.properties
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jar/org/eclipse/jetty/util/log/JavaUtilLog.java

1.3061 jackson-jaxrs-base 2.5.3
1.3062 spring-jms 3.0.3.RELEASE

1.3062.1 Available under license:

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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/adapter/ListenerExecutionFailedException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/SynchedLocalTransactionFailedException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/CachingDestinationResolver.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/DestinationResolutionException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/DynamicDestinationResolver.java

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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/remoting/JmsInvokerServiceExporter.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/core/JmsTemplate102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/converter/SimpleMessageConverter.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/core/JmsTemplate.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/JndiDestinationResolver.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/endpoint/StandardJmsActivationSpecFactory.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/converter/MessageType.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/adapter/MessageListenerAdapter102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/JmsException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/JmsTransactionManager.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/JndiDestinationResolver.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/endpoint/StandardJmsActivationSpecFactory.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/converter/MessageType.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/adapter/MessageListenerAdapter102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/JmsException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/JmsTransactionManager102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/remoting/JmsInvokerProxyFactoryBean.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/SimpleMessageListenerContainer102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/DefaultMessageListenerContainer102.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/TransactionAwareConnectionFactoryProxy.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/JmsTransactionManager.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/AbstractPollingMessageListenerContainer.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/DefaultMessageListenerContainer.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/endpoint/JmsActivationSpecConfig.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/listener/AbstractMessageListenerContainer.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1- jar/org/springframework/jms/IllegalStateException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1- jar/org/springframework/jms/ResourceAllocationException.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1- jar/org/springframework/jms/listener/endpoint/JmsMessageEndpointFactory.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1- jar/org/springframework/jms/support/destination/BeanFactoryDestinationResolver.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/InvalidSelectorException.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/MessageEOFException.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/JmsSecurityException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/connection/SmartConnectionFactory.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/UncategorizedJmsException.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-jar/org/springframework/jms/support/destination/JmsDestinationAccessor.java
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* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-
  jar/org/springframework/jms/core/ProducerCallback.java
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  jar/org/springframework/jms/core/SessionCallback.java
* /opt/cola/permits/1136482904_1613773616.54/0/spring-jms-3-0-3-release-sources-1-
  jar/org/springframework/jms/connector/CachedMessageProducer.java
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Eclipse

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The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public Licenses
are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work
which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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Appendix: How to Apply These Terms to Your New Libraries

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This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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Version 2, June 1991

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1.3074 cxf-api 2.7.14

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1.3078 expression 3.0.5.RELEASE
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Found in path(s):
* // Chew on the expression text - relying on the rules
* case ""
* case '\'
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0 [] {}

Found in path(s):
* // brackets must be in pairs
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*/

Found in path(s):
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/ParserContext.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/spel/SpelEvaluationException.java
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"foo${expr0}bar${expr1}". The static
Open Source Used In Virtualized Voice Browser 12.6(1)  38576

Found in path(s):
* * number of expressions all contained in "${...}" markers. For instance
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Found in path(s):
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/AstUtils.java
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case ']':case ')

Found in path(s):
* case ')
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" +

Found in path(s):
* " for expression starting at character " + prefixIndex + "
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*/

Found in path(s):
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/TypedValue.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/InlineList.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/TypeConverter.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/Projection.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/ExpressionInvocationTargetException.java
* /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2-
  jar/org/springframework/expression/spel/ast/EvaluationContext.java
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  * *  http
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case 'l': case '(':

Found in path(s):
  * case 'l'
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Found in path(s):
  * /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/spel/ast/OperatorPower.java
  * /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/spel/ast/TypeCode.java
  * /opt/cola/permits/1069084543_1608551769.43/0/spring-expression-3-0-5-release-sources-2.jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
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square brackets [] round brackets () and curly brackets {}

Found in path(s):
* * Bracket is used to describe

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1.3083 aspect-j 1.6.12
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